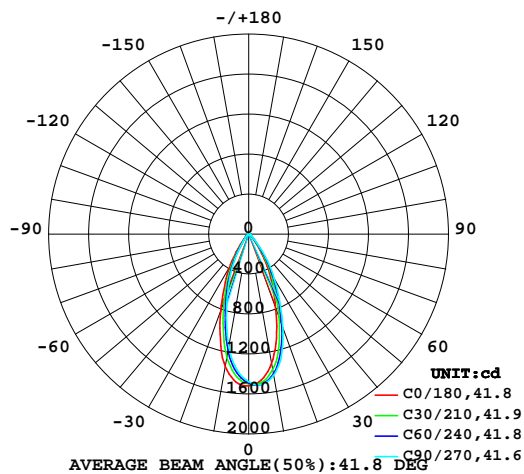


LUMINAIRE PHOTOMETRIC TEST REPORT

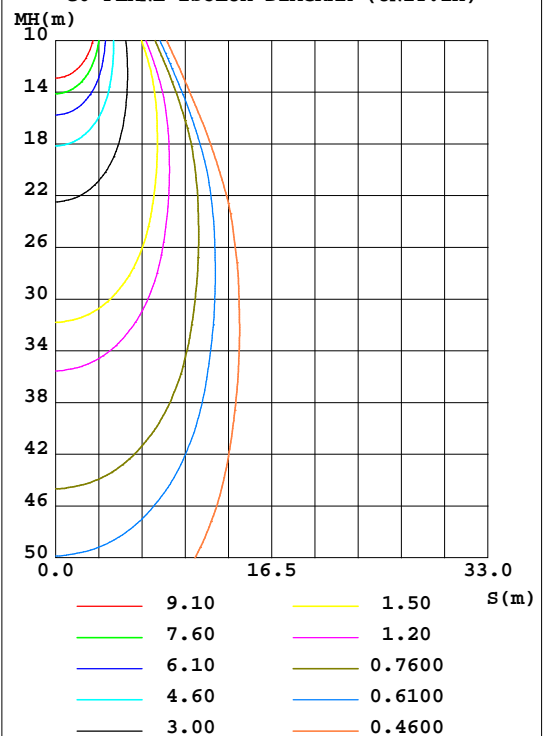
NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: Φ 30	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.52 lm/W			
MODEL		I _{max} (cd)	1519	S/MH(C0/180)	0.68
NOMINAL POWER(W)	14	LOR(%)	100.0	S/MH(C90/270)	0.56
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	924.85	η UP,DN(C0-180)	0.5,57.0
NOMINAL FLUX(lm)	924.845	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,41.9
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	99.0	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1315	1403	1437	1393	1347	1217	1147	1169	0- 10	133.1	133.1	14.4,14.4
20	793.6	933.2	1002	935.8	823.2	683.5	616.8	650.9	10- 20	292.8	425.9	46,46
30	375.2	456.7	510.7	460.8	389.7	295.3	251.3	273.3	20- 30	259.5	685.4	74.1,74.1
40	107.3	141.4	173.1	144.6	111.0	79.76	73.23	79.71	30- 40	138.2	823.6	89,89
50	35.40	48.77	56.43	48.20	37.89	26.03	21.72	23.84	40- 50	51.94	875.5	94.7,94.7
60	12.97	14.17	15.12	14.56	13.66	12.59	11.98	12.18	50- 60	19.15	894.7	96.7,96.7
70	9.212	10.07	10.53	10.43	10.11	8.239	7.681	7.878	60- 70	11.16	905.8	97.9,97.9
80	4.083	5.339	5.970	5.633	4.779	3.524	2.837	3.171	70- 80	7.238	913.1	98.7,98.7
90	0.0811	0.6130	1.165	0.8717	0.1430	0.1486	0.1620	0.1531	80- 90	2.263	915.3	99,99
100	0.1147	0.0988	0.1054	0.0960	0.2202	0.2379	0.2594	0.2427	90-100	0.1838	915.5	99,99
110	0.2913	0.2350	0.2183	0.2350	0.4292	0.4967	0.5545	0.5032	100-110	0.2664	915.8	99,99
120	0.7554	0.5981	0.5421	0.5839	0.9205	1.094	1.197	1.104	110-120	0.5701	916.3	99.1,99.1
130	1.630	1.350	1.222	1.311	1.834	2.100	2.245	2.109	120-130	1.114	917.5	99.2,99.2
140	2.826	2.476	2.305	2.404	3.024	3.283	3.437	3.289	130-140	1.757	919.2	99.4,99.4
150	3.927	3.635	3.498	3.525	4.038	4.154	4.268	4.152	140-150	2.128	921.3	99.6,99.6
160	4.413	4.310	4.250	4.147	4.400	4.329	4.336	4.307	150-160	1.913	923.3	99.8,99.8
170	4.323	4.315	4.234	4.092	4.232	4.049	3.988	3.969	160-170	1.201	924.5	100,100
180	4.202	4.186	4.037	4.032	4.215	4.188	4.031	4.026	170-180	0.3893	924.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 855.29 lm

%lum = 92.5%

%lamp = 92.5%

Conical surface Flux(120deg): 894.66 lm

%lum = 96.7%

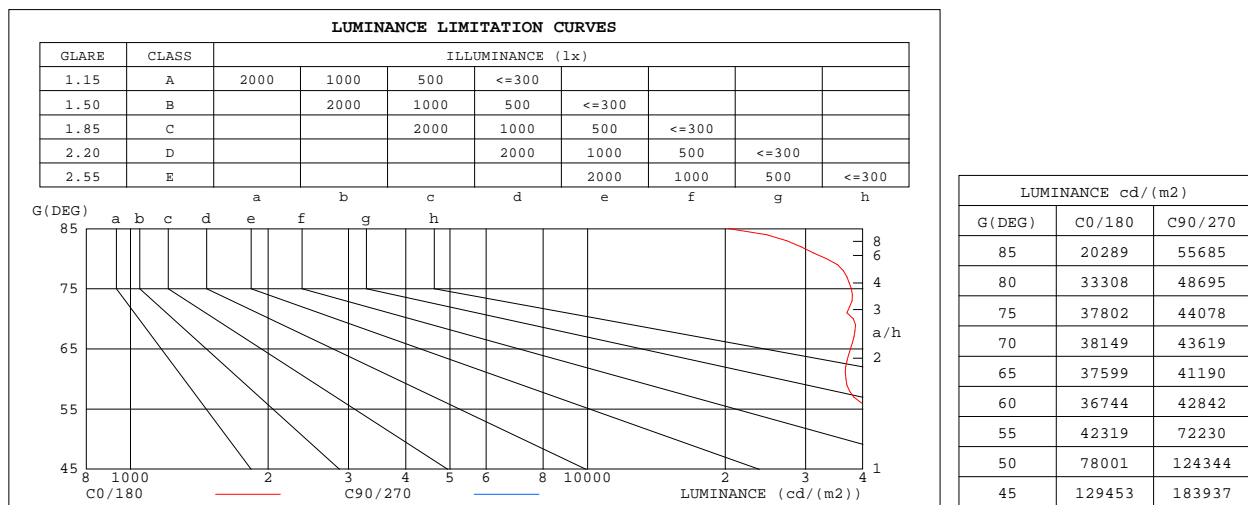
%lamp = 96.7%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.620m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:



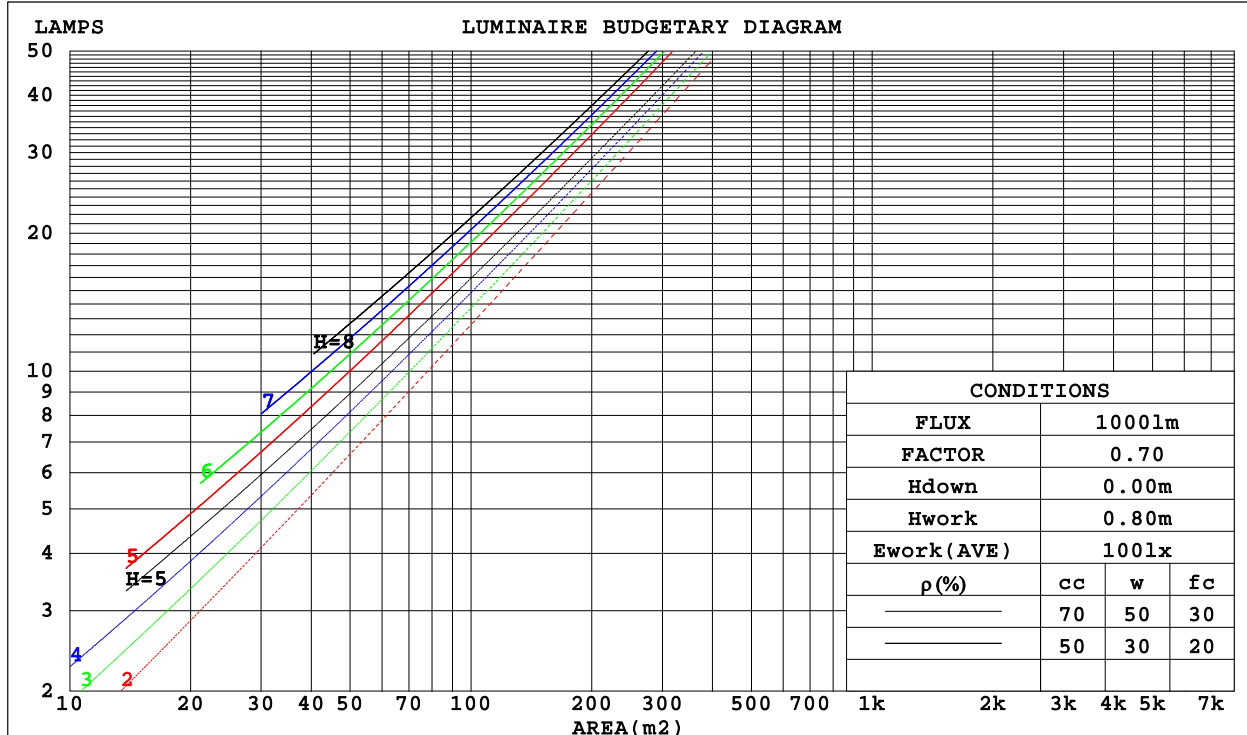
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-11-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 5.620m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)										
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99	
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.90	.99	.97	.96	.95	.94	.92	
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.94	.92	.90	.91	.90	.88	.86	
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80	
4.0	.90	.85	.80	.89	.84	.80	.87	.82	.79	.84	.81	.78	.82	.79	.77	.75	
5.0	.85	.79	.75	.84	.78	.74	.82	.77	.74	.80	.76	.73	.78	.75	.72	.71	
6.0	.80	.74	.70	.79	.74	.70	.77	.73	.69	.76	.72	.68	.74	.71	.68	.66	
7.0	.75	.70	.66	.75	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63	
8.0	.71	.66	.62	.71	.65	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59	
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.61	.58	.56	
10.0	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.620m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:#30	Shielding Angle:

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pf	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.181 .103 .033	.174 .099 .031	.161 .092 .029	.149 .086 .027	.137 .080 .026	
2.0	.171 .094 .029	.165 .091 .028	.154 .086 .027	.144 .081 .025	.134 .076 .024	
3.0	.162 .086 .026	.157 .084 .025	.147 .080 .024	.138 .076 .023	.130 .072 .022	
4.0	.153 .080 .023	.149 .078 .023	.140 .074 .022	.133 .071 .021	.126 .068 .021	
5.0	.145 .074 .021	.141 .072 .021	.134 .070 .021	.127 .067 .020	.121 .065 .019	
6.0	.138 .069 .020	.134 .068 .020	.128 .066 .019	.122 .063 .019	.116 .061 .018	
7.0	.131 .065 .018	.128 .064 .018	.122 .062 .018	.117 .060 .017	.112 .058 .017	
8.0	.125 .061 .017	.122 .060 .017	.117 .059 .017	.113 .057 .016	.108 .056 .016	
9.0	.119 .058 .016	.117 .057 .016	.113 .056 .016	.108 .054 .016	.104 .053 .015	
10.0	.114 .055 .015	.112 .054 .015	.108 .053 .015	.104 .052 .015	.101 .051 .015	

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pf	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.198 .198 .198	.169 .169 .169	.116 .116 .116	.066 .066 .066	.021 .021 .021	
1.0	.179 .165 .152	.153 .142 .131	.105 .098 .091	.060 .056 .053	.019 .018 .017	
2.0	.164 .140 .121	.141 .121 .104	.096 .084 .073	.056 .049 .043	.018 .016 .014	
3.0	.152 .122 .098	.130 .105 .085	.089 .073 .059	.052 .043 .035	.017 .014 .011	
4.0	.141 .107 .081	.121 .092 .070	.083 .064 .049	.048 .038 .029	.016 .012 .010	
5.0	.132 .095 .068	.114 .082 .059	.078 .058 .042	.045 .034 .025	.015 .011 .008	
6.0	.125 .086 .058	.107 .074 .051	.074 .052 .036	.043 .031 .021	.014 .010 .007	
7.0	.118 .078 .051	.101 .068 .044	.070 .048 .031	.041 .028 .019	.013 .009 .006	
8.0	.112 .072 .045	.096 .062 .039	.067 .044 .028	.039 .026 .016	.013 .008 .005	
9.0	.107 .067 .040	.092 .058 .035	.064 .041 .025	.037 .024 .015	.012 .008 .005	
10.0	.102 .062 .036	.088 .054 .031	.061 .038 .022	.036 .023 .013	.012 .007 .004	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME:					TYPE:CRI90 3000K			WEIGHT:			
SPEC.:RAD25R-14-30K					DIM.:			SERIAL No.:1			
MFR.: RAYHIL					SUR.:#30			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	25.1	26.0	25.3	26.2	26.4	26.7	27.6	26.9	27.8	28.0
	3H	25.2	26.1	25.5	26.3	26.5	26.7	27.6	27.0	27.8	28.0
	4H	25.3	26.1	25.6	26.4	26.6	26.8	27.6	27.1	27.9	28.1
	6H	25.4	26.2	25.7	26.4	26.7	26.9	27.7	27.2	27.9	28.2
	8H	25.4	26.2	25.8	26.4	26.7	27.0	27.7	27.3	28.0	28.3
	12H	25.4	26.1	25.8	26.4	26.7	27.0	27.7	27.4	28.0	28.3
4H	2H	25.0	25.8	25.3	26.0	26.3	26.5	27.3	26.8	27.6	27.8
	3H	25.3	26.0	25.6	26.2	26.5	26.7	27.4	27.0	27.7	28.0
	4H	25.5	26.1	25.8	26.4	26.8	26.8	27.5	27.2	27.8	28.1
	6H	25.7	26.2	26.1	26.6	26.9	27.1	27.6	27.4	28.0	28.3
	8H	25.7	26.2	26.1	26.6	27.0	27.2	27.7	27.6	28.0	28.4
	12H	25.7	26.2	26.2	26.6	27.0	27.3	27.7	27.7	28.1	28.5
8H	4H	25.5	26.0	25.9	26.4	26.8	26.8	27.3	27.2	27.7	28.1
	6H	25.8	26.3	26.3	26.7	27.1	27.1	27.6	27.6	28.0	28.4
	8H	25.9	26.3	26.4	26.7	27.2	27.3	27.7	27.8	28.1	28.6
	12H	26.0	26.3	26.5	26.8	27.3	27.5	27.8	28.0	28.3	28.7
12H	4H	25.5	26.0	25.9	26.4	26.8	26.8	27.3	27.2	27.7	28.1
	6H	25.9	26.2	26.3	26.7	27.1	27.1	27.5	27.6	27.9	28.4
	8H	26.0	26.3	26.5	26.8	27.3	27.3	27.6	27.8	28.1	28.6
Variations with the observer position at spacings:											
S = 1.0H	+ 1.4 / - 2.1					+ 2.3 / - 2.7					
1.5H	+ 2.2 / - 2.1					+ 3.7 / - 2.8					
2.0H	+ 2.6 / - 1.4					+ 3.0 / - 1.7					

CIE Pub.117, 924.8 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: Φ 30	Shielding Angle:

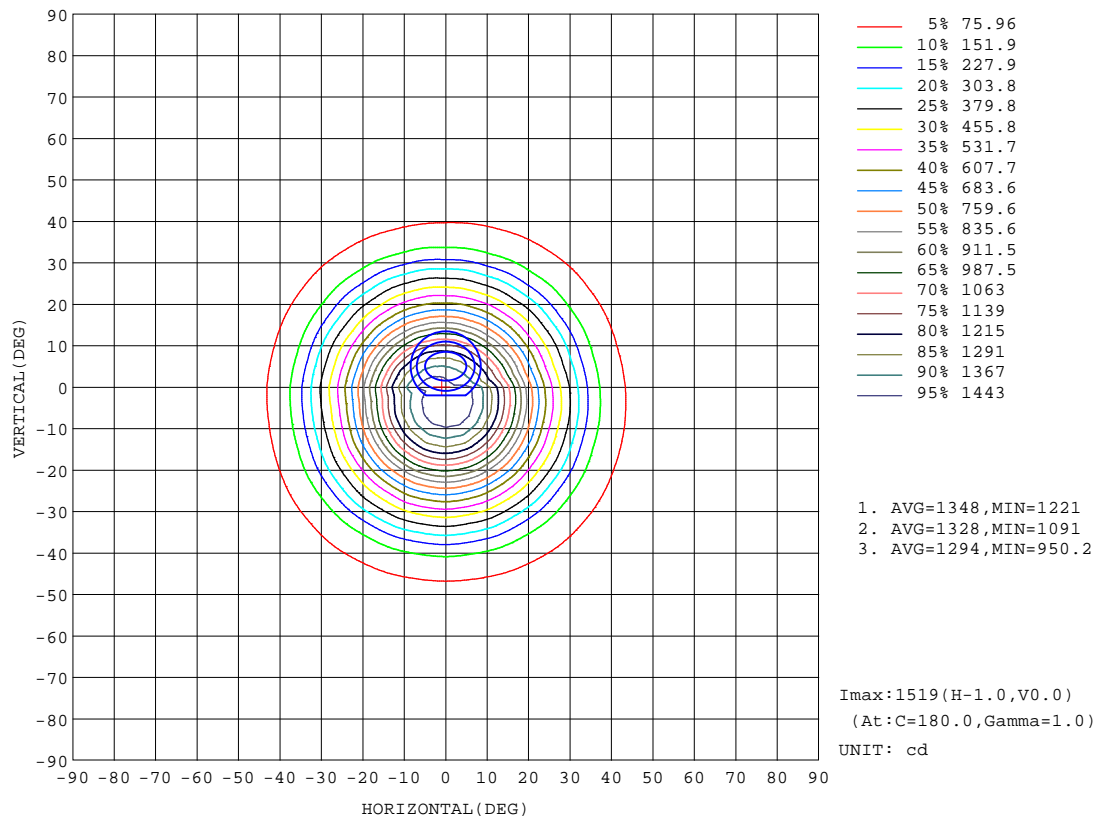
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	94	91	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	99	106	102	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:

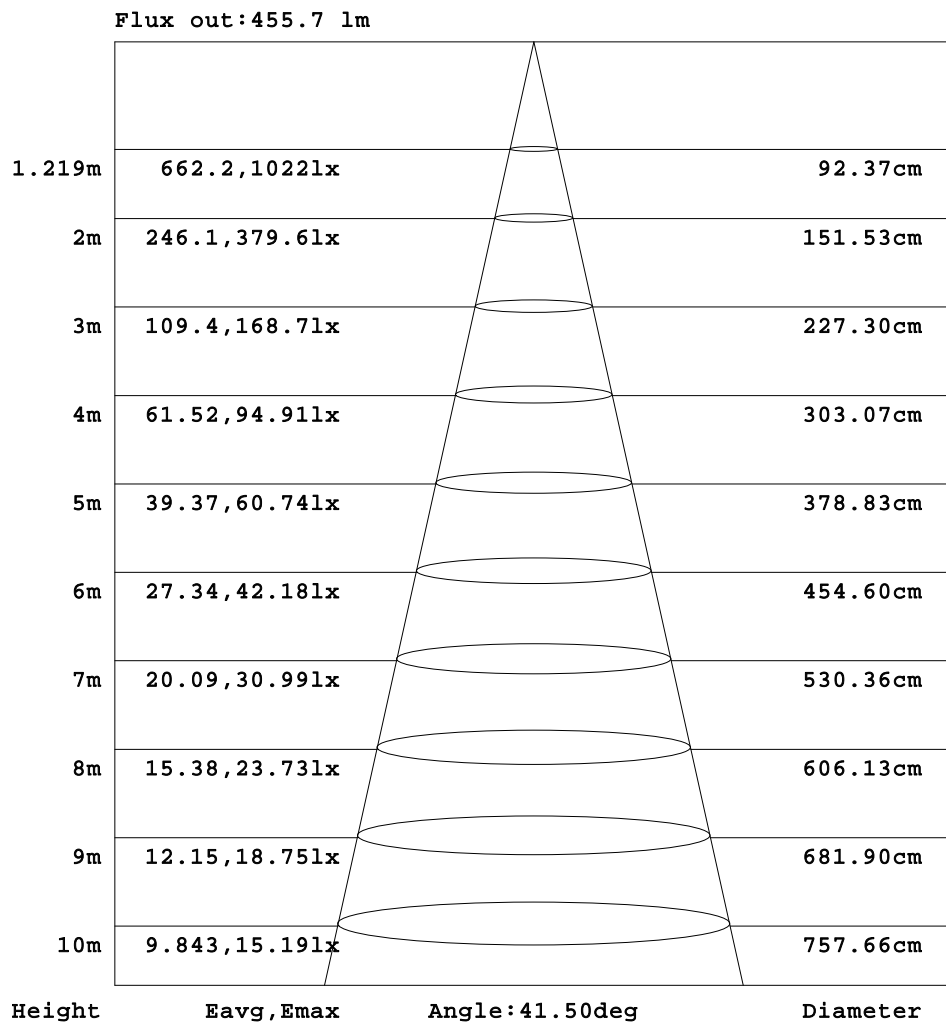


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.620m [K=1.0000]
 Remarks:

AAI Figure

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:



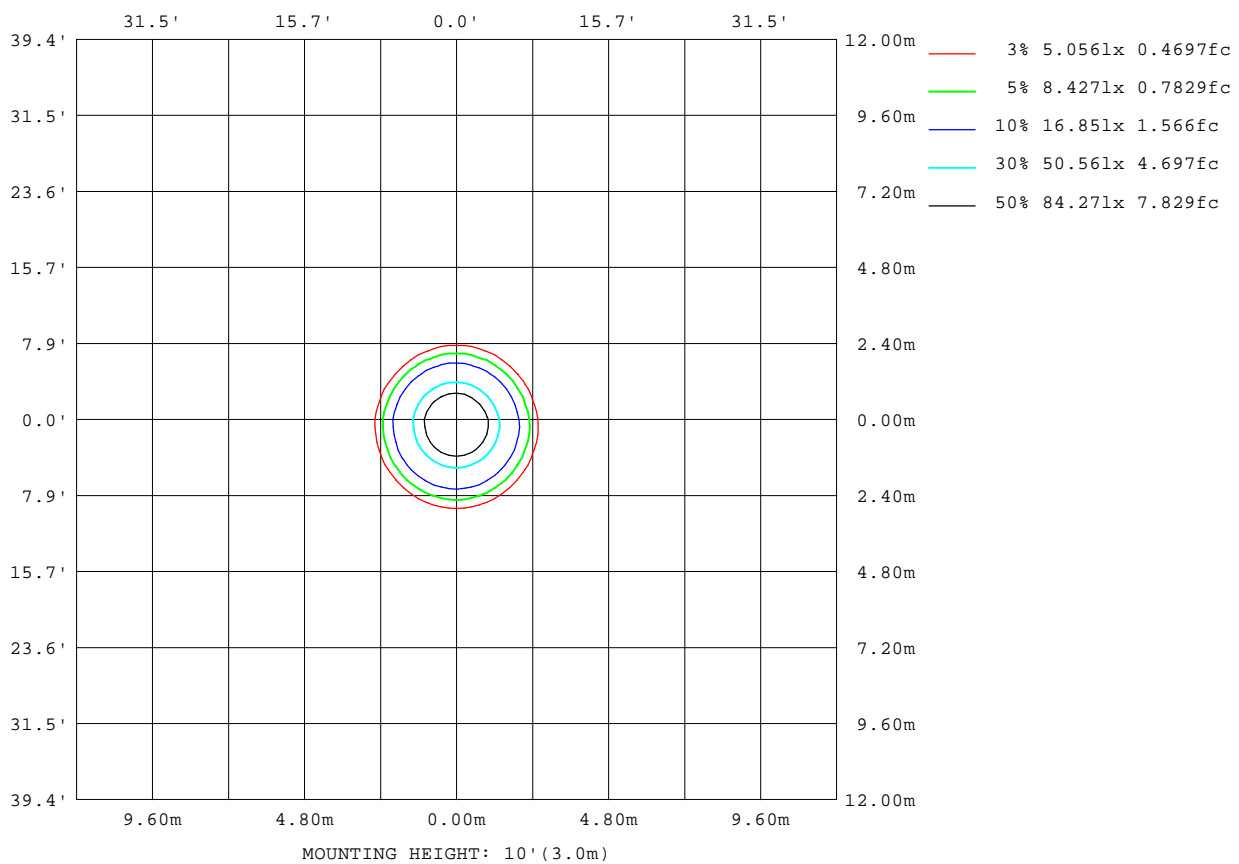
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.620m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: Φ 30	Shielding Angle:

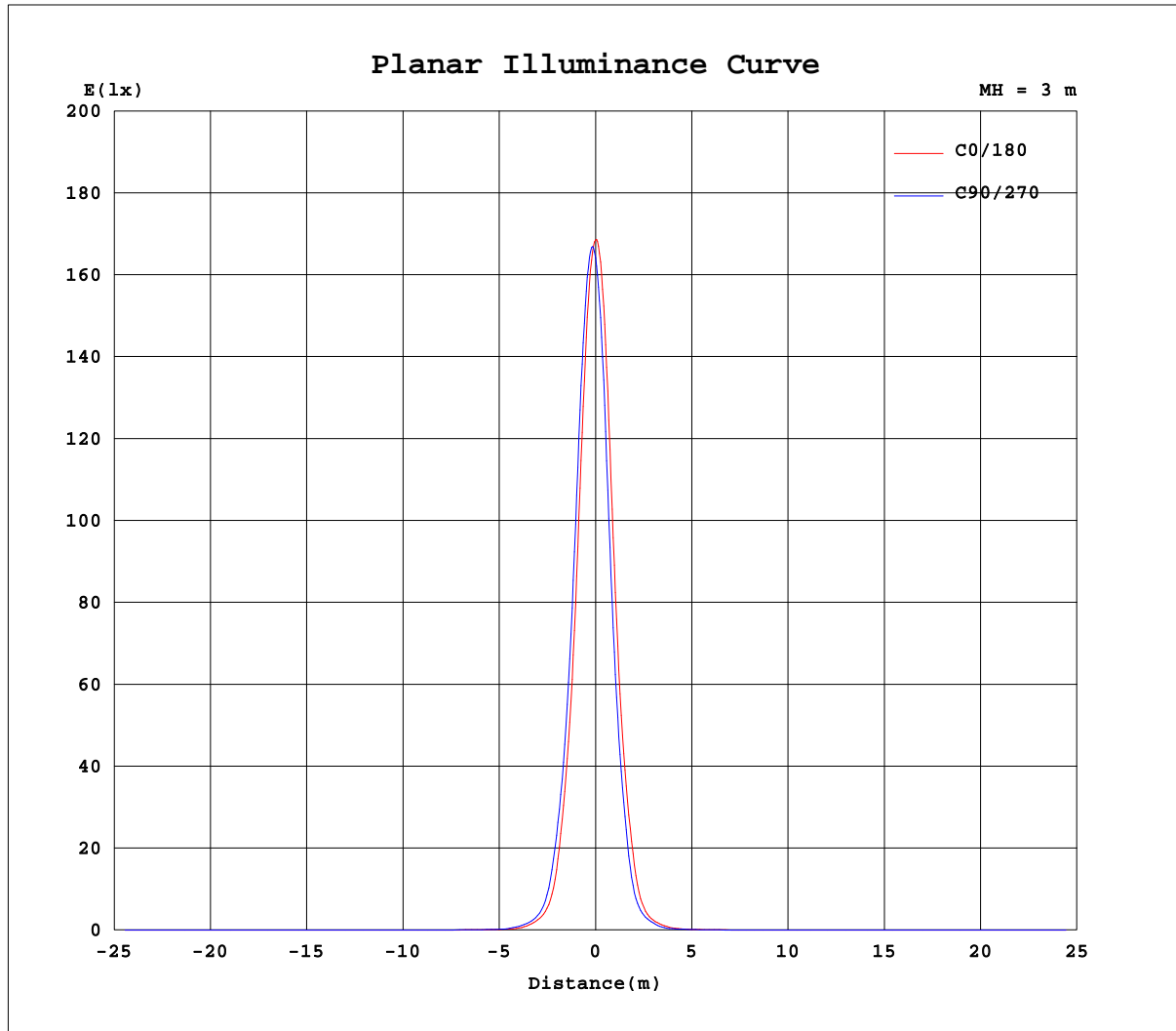
AvgL	cd/m2
L_0~180(65)av	38761
L_0~180(75)av	39163
L_0~180(85)av	25296
L_90~270(65)av	37715
L_90~270(75)av	36598
L_90~270(85)av	32720
L_45(65)av	37853
L_45(75)av	37411
L_45(85)av	32626

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-11-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 5.620m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1517	1511	1506	1501	1497	1492	1490	1484	1483	1477	1477	1472	1471	1467	1466	1463	1464	1459	1517
5	1466	1474	1480	1490	1495	1505	1509	1511	1507	1507	1504	1503	1495	1487	1474	1466	1452	1441	1485
10	1315	1339	1353	1378	1392	1413	1421	1437	1431	1437	1429	1429	1415	1405	1380	1364	1340	1318	1347
15	1078	1109	1136	1167	1193	1216	1234	1258	1258	1269	1258	1259	1233	1217	1189	1161	1127	1090	1099
20	794	829	856	890	918	949	967	986	993	1002	996	990	969	952	920	890	852	822	823
25	557	587	606	636	656	685	700	717	723	733	725	723	703	686	660	640	604	578	575
30	375	398	412	432	446	467	483	497	504	511	506	503	484	472	450	433	408	392	390
35	203	222	232	254	265	288	298	318	323	332	326	325	310	301	280	268	242	227	218
40	107	117	120	129	136	147	153	163	166	173	167	166	156	151	138	132	120	114	111
45	64.6	68.7	70.7	74.7	77.4	82.0	85.1	89.2	89.6	91.8	90.1	88.9	84.2	80.9	75.4	72.3	67.6	64.4	63.2
50	35.4	39.3	41.5	45.4	47.0	50.6	52.5	54.8	55.5	56.4	55.4	54.4	52.0	49.8	46.6	44.8	41.5	39.2	37.9
55	17.1	18.3	19.2	21.1	22.1	24.5	25.3	27.7	28.2	29.2	28.7	28.9	26.8	25.9	23.7	22.7	20.6	19.2	18.7
60	13.0	13.2	13.4	13.8	13.9	14.4	14.5	14.9	14.9	15.1	15.0	15.1	14.8	14.7	14.4	14.2	13.6	13.3	13.7
65	11.2	11.4	11.5	11.7	11.7	11.9	11.9	12.1	12.2	12.3	12.2	12.2	12.2	12.2	12.0	11.9	11.7	11.5	11.9
70	9.21	9.65	9.83	10.0	10.0	10.1	10.2	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.3	10.2	10.1	9.99	10.1
75	6.91	7.19	7.32	7.56	7.66	7.83	7.88	7.98	7.99	8.05	8.01	8.05	7.96	7.92	7.78	7.70	7.48	7.32	7.40
80	4.08	4.51	4.73	5.05	5.20	5.48	5.58	5.80	5.83	5.97	5.91	5.95	5.81	5.75	5.52	5.38	5.04	4.84	4.78
85	1.25	1.64	1.96	2.44	2.68	2.95	3.05	3.26	3.30	3.43	3.38	3.42	3.28	3.23	3.00	2.86	2.40	2.08	1.86
90	0.08	0.08	0.12	0.34	0.49	0.74	0.82	1.01	1.05	1.16	1.12	1.16	1.02	0.97	0.77	0.65	0.34	0.17	0.14
95	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.08	0.08	0.09	0.17
100	0.11	0.13	0.11	0.11	0.09	0.11	0.09	0.11	0.09	0.11	0.09	0.10	0.09	0.10	0.09	0.11	0.11	0.12	0.22
105	0.17	0.18	0.16	0.16	0.15	0.15	0.14	0.15	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.15	0.18	0.29
110	0.29	0.28	0.26	0.25	0.24	0.23	0.21	0.22	0.21	0.22	0.21	0.22	0.21	0.23	0.24	0.25	0.26	0.28	0.43
115	0.48	0.46	0.42	0.40	0.38	0.37	0.35	0.35	0.33	0.34	0.33	0.35	0.35	0.36	0.38	0.40	0.41	0.44	0.63
120	0.76	0.71	0.68	0.64	0.61	0.59	0.57	0.55	0.54	0.54	0.54	0.55	0.56	0.58	0.59	0.62	0.65	0.69	0.92
125	1.14	1.07	1.03	0.97	0.94	0.90	0.87	0.85	0.84	0.83	0.83	0.83	0.86	0.88	0.92	0.94	1.00	1.03	1.33
130	1.63	1.54	1.49	1.42	1.38	1.32	1.29	1.26	1.25	1.22	1.23	1.23	1.26	1.28	1.34	1.38	1.44	1.49	1.83
135	2.21	2.11	2.05	1.96	1.92	1.84	1.81	1.76	1.76	1.72	1.74	1.73	1.78	1.79	1.86	1.90	1.98	2.03	2.42
140	2.83	2.73	2.65	2.57	2.51	2.44	2.40	2.35	2.33	2.31	2.32	2.31	2.36	2.37	2.43	2.48	2.55	2.61	3.02
145	3.43	3.34	3.25	3.18	3.11	3.05	3.01	2.97	2.95	2.92	2.92	2.92	2.95	2.97	3.02	3.06	3.12	3.17	3.59
150	3.93	3.86	3.78	3.71	3.66	3.61	3.57	3.54	3.53	3.50	3.49	3.48	3.50	3.51	3.54	3.56	3.60	3.64	4.04
155	4.27	4.22	4.16	4.11	4.08	4.04	4.03	4.00	3.99	3.96	3.95	3.93	3.93	3.92	3.93	3.93	3.93	3.96	4.32
160	4.41	4.40	4.36	4.34	4.32	4.30	4.30	4.29	4.28	4.25	4.22	4.20	4.17	4.15	4.14	4.13	4.10	4.10	4.40
165	4.40	4.41	4.39	4.37	4.36	4.38	4.37	4.38	4.35	4.33	4.29	4.26	4.22	4.19	4.16	4.12	4.09	4.06	4.34
170	4.32	4.35	4.34	4.34	4.32	4.31	4.30	4.29	4.26	4.23	4.18	4.16	4.12	4.10	4.08	4.06	4.02	3.96	4.23
175	4.23	4.26	4.27	4.28	4.28	4.29	4.26	4.22	4.16	4.13	4.11	4.10	4.07	4.07	4.04	4.00	3.94	3.87	4.15
180	4.20	4.20	4.18	4.20	4.19	4.18	4.12	4.09	4.06	4.04	4.02	4.02	4.03	4.04	4.02	3.97	3.93	3.91	4.22

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:CRI90 3000K	WEIGHT:
SPEC.:RAD25R-14-30K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ30	Shielding Angle:

Table--2

UNIT: cd

C(°) γ (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1511	1506	1501	1497	1492	1490	1484	1483	1477	1477	1472	1471	1467	1466	1463	1464	1459		
5	1462	1449	1429	1419	1400	1392	1376	1373	1362	1366	1360	1367	1365	1377	1380	1394	1401		
10	1311	1290	1254	1228	1205	1189	1167	1155	1147	1148	1152	1157	1163	1175	1195	1220	1239		
15	1058	1023	987	957	927	910	886	876	866	866	867	879	889	913	935	968	1001		
20	780	755	721	697	670	653	634	627	617	621	620	630	641	661	679	708	735		
25	546	523	497	480	457	449	434	431	420	423	420	431	436	457	471	492	515		
30	362	345	318	305	285	279	262	261	251	254	249	260	265	282	295	320	337		
35	194	179	162	154	141	138	131	131	126	130	129	134	135	146	151	167	179		
40	98.3	92.6	85.1	81.9	77.6	76.1	73.6	73.6	73.2	74.6	75.0	76.8	78.1	81.4	85.2	91.4	97.1		
45	58.8	55.6	52.3	50.1	48.0	47.2	46.0	46.1	45.3	46.2	46.3	47.7	48.0	50.4	52.1	56.1	59.0		
50	34.3	32.0	28.7	27.0	25.0	24.1	22.8	22.6	21.7	22.0	21.8	22.6	23.0	24.7	26.0	28.9	31.3		
55	17.4	16.7	15.9	15.4	14.9	14.7	14.3	14.3	14.1	14.2	14.1	14.3	14.4	14.7	14.9	15.4	15.7		
60	13.4	13.2	12.9	12.7	12.5	12.4	12.1	12.1	12.0	12.0	12.0	12.1	12.1	12.3	12.3	12.4	12.5		
65	11.6	11.4	11.1	10.9	10.8	10.7	10.4	10.3	10.2	10.3	10.2	10.3	10.3	10.5	10.6	10.7	10.7		
70	9.30	8.86	8.51	8.36	8.12	8.03	7.85	7.81	7.68	7.71	7.68	7.79	7.80	7.96	8.04	8.28	8.43		
75	7.05	6.83	6.45	6.26	5.92	5.78	5.52	5.47	5.32	5.38	5.33	5.49	5.54	5.79	5.93	6.25	6.42		
80	4.39	4.22	3.86	3.69	3.36	3.25	3.01	2.98	2.84	2.90	2.85	3.00	3.05	3.29	3.42	3.64	3.72		
85	1.49	1.42	1.35	1.30	1.04	0.94	0.74	0.72	0.60	0.66	0.62	0.76	0.81	1.01	1.12	1.23	1.21		
90	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.15	0.16	0.15	0.15	0.15	0.15	0.15		
95	0.15	0.18	0.18	0.18	0.18	0.19	0.17	0.20	0.19	0.20	0.18	0.19	0.17	0.19	0.17	0.18	0.17		
100	0.21	0.22	0.22	0.24	0.24	0.25	0.24	0.26	0.26	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.21		
105	0.29	0.31	0.32	0.33	0.33	0.35	0.35	0.37	0.37	0.37	0.36	0.36	0.34	0.34	0.33	0.31	0.29		
110	0.44	0.46	0.47	0.49	0.50	0.53	0.54	0.55	0.55	0.55	0.54	0.53	0.51	0.50	0.47	0.46	0.43		
115	0.65	0.67	0.70	0.73	0.76	0.78	0.80	0.81	0.82	0.82	0.81	0.79	0.77	0.74	0.71	0.67	0.64		
120	0.96	1.00	1.04	1.07	1.12	1.14	1.17	1.18	1.20	1.19	1.18	1.15	1.13	1.08	1.05	0.99	0.95		
125	1.38	1.42	1.49	1.52	1.58	1.61	1.65	1.66	1.68	1.66	1.66	1.62	1.59	1.53	1.49	1.42	1.37		
130	1.90	1.95	2.02	2.07	2.13	2.17	2.21	2.22	2.24	2.23	2.22	2.18	2.15	2.07	2.02	1.94	1.88		
135	2.49	2.54	2.62	2.66	2.73	2.76	2.82	2.82	2.85	2.84	2.83	2.78	2.74	2.67	2.61	2.52	2.46		
140	3.09	3.14	3.20	3.25	3.31	3.35	3.40	3.41	3.44	3.43	3.41	3.36	3.32	3.25	3.20	3.12	3.05		
145	3.63	3.67	3.73	3.77	3.81	3.85	3.89	3.90	3.92	3.92	3.90	3.86	3.82	3.76	3.71	3.64	3.59		
150	4.06	4.08	4.12	4.14	4.17	4.20	4.23	4.25	4.27	4.26	4.25	4.21	4.18	4.13	4.10	4.05	4.00		
155	4.31	4.31	4.32	4.32	4.33	4.35	4.37	4.40	4.41	4.42	4.40	4.36	4.33	4.30	4.29	4.26	4.25		
160	4.36	4.35	4.35	4.35	4.31	4.31	4.30	4.32	4.34	4.36	4.34	4.33	4.31	4.31	4.29	4.27	4.27		
165	4.28	4.25	4.22	4.22	4.19	4.18	4.16	4.16	4.18	4.21	4.22	4.21	4.18	4.15	4.12	4.14	4.15		
170	4.18	4.17	4.12	4.08	4.02	4.00	3.98	3.98	3.99	4.01	4.01	4.00	3.98	3.96	3.96	3.98	4.00		
175	4.11	4.12	4.10	4.09	4.03	3.98	3.94	3.91	3.89	3.90	3.93	3.96	3.95	3.94	3.92	3.91	3.90		
180	4.18	4.19	4.19	4.20	4.17	4.13	4.08	4.06	4.03	4.03	4.02	4.03	4.03	4.02	3.97	3.93	3.90		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks: