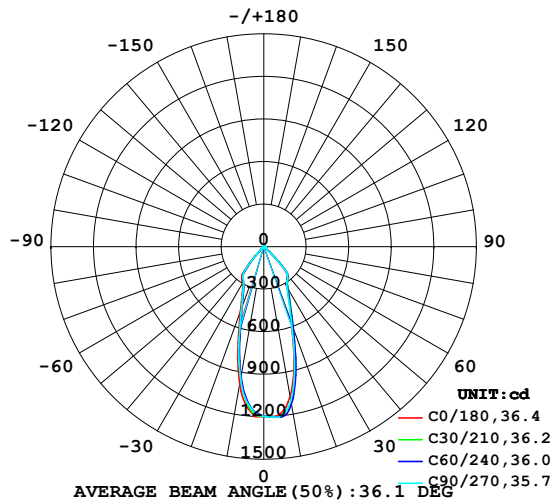


LUMINAIRE PHOTOMETRIC TEST REPORT

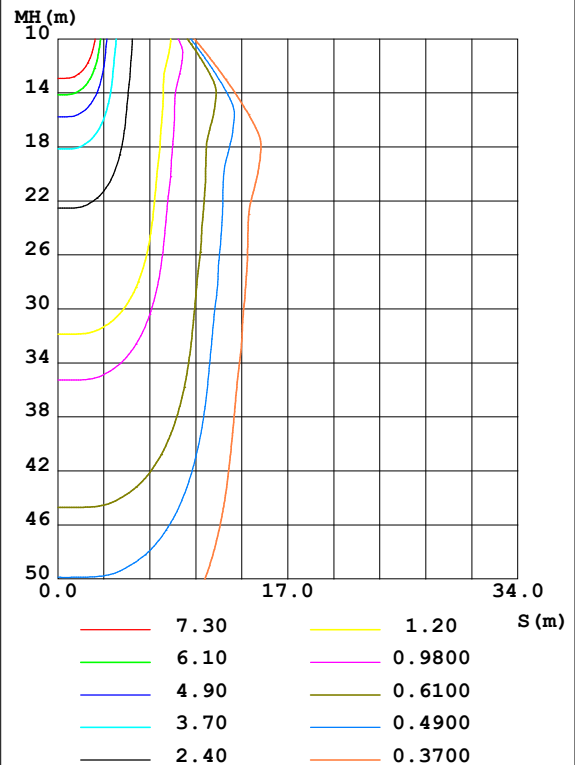
NAME:	TYPE:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.34 lm/W			
MODEL		Imax(cd)	1215	S/MH(C0/180)	0.56
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	782.11	η UP,DN(C0-180)	0.5,52.6
NOMINAL FLUX(lm)	782.107	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,46.3
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	99.0	CIBSE SHR MAX	0.60

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:2021-11-25

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	1074	1123	1102	1024	984.9	933.9	946.8	1026	0- 10	107.4	107.4	13.7,13.7
20	574.8	612.3	579.8	506.7	483.7	452.6	459.8	536.4	10- 20	209.5	316.9	40.5,40.5
30	331.3	342.2	328.2	305.1	301.2	293.7	286.3	318.4	20- 30	182.3	499.2	63.8,63.8
40	259.0	262.0	259.1	215.7	192.6	152.4	171.4	241.2	30- 40	171.2	670.4	85.7,85.7
50	25.96	29.17	26.63	21.33	19.94	19.21	20.85	22.88	40- 50	72.78	743.2	95,95
60	14.65	14.81	13.74	11.96	11.09	10.63	11.72	13.79	50- 60	15.30	758.5	97,97
70	8.804	8.898	8.239	7.078	6.565	6.212	6.959	8.202	60- 70	9.740	768.2	98.2,98.2
80	2.875	3.730	3.193	1.247	0.7716	0.5512	0.6681	1.820	70- 80	5.331	773.6	98.9,98.9
90	0.0685	0.0701	0.0639	0.0666	0.1238	0.1240	0.1222	0.1104	80- 90	0.4841	774.0	99,99
100	0.1197	0.0914	0.1129	0.1380	0.2552	0.2658	0.2462	0.2075	90-100	0.1314	774.2	99,99
110	0.3155	0.2900	0.3180	0.3816	0.5306	0.5568	0.5299	0.4682	100-110	0.3059	774.5	99,99
120	0.6811	0.6322	0.6697	0.7803	0.9723	1.024	0.9772	0.8699	110-120	0.6016	775.1	99.1,99.1
130	1.288	1.206	1.261	1.430	1.697	1.780	1.725	1.566	120-130	1.013	776.1	99.2,99.2
140	2.142	2.044	2.105	2.288	2.565	2.633	2.579	2.434	130-140	1.477	777.6	99.4,99.4
150	2.959	2.873	2.951	3.051	3.259	3.257	3.271	3.144	140-150	1.717	779.3	99.6,99.6
160	3.364	3.341	3.381	3.366	3.444	3.427	3.448	3.422	150-160	1.517	780.8	99.8,99.8
170	3.431	3.453	3.426	3.415	3.438	3.392	3.407	3.435	160-170	0.9716	781.8	100,100
180	3.480	3.506	3.441	3.522	3.491	3.505	3.439	3.522	170-180	0.3281	782.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 726.08 lm

%lum = 92.8%

%lamp = 92.8%

Conical surface Flux(120deg): 758.49 lm

%lum = 97.0%

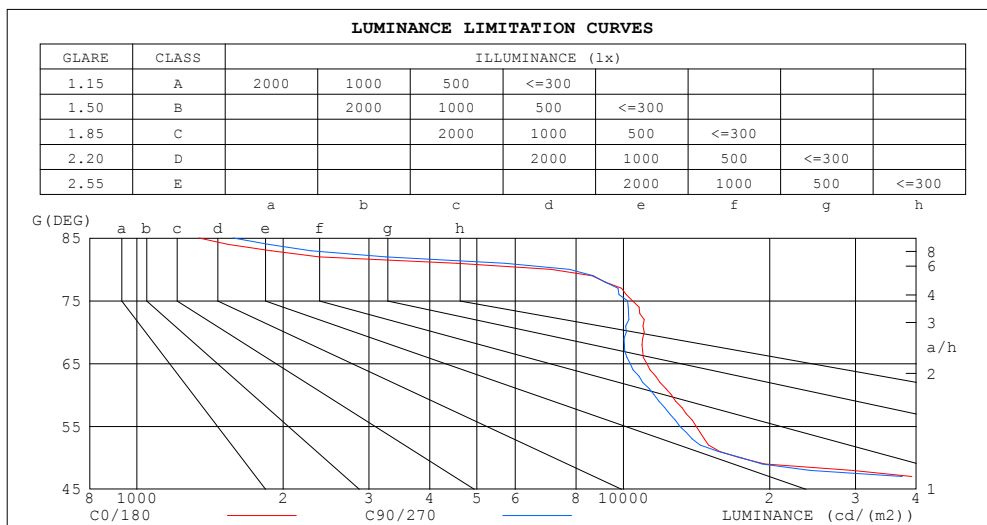
%lamp = 97.0%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	Shielding Angle:



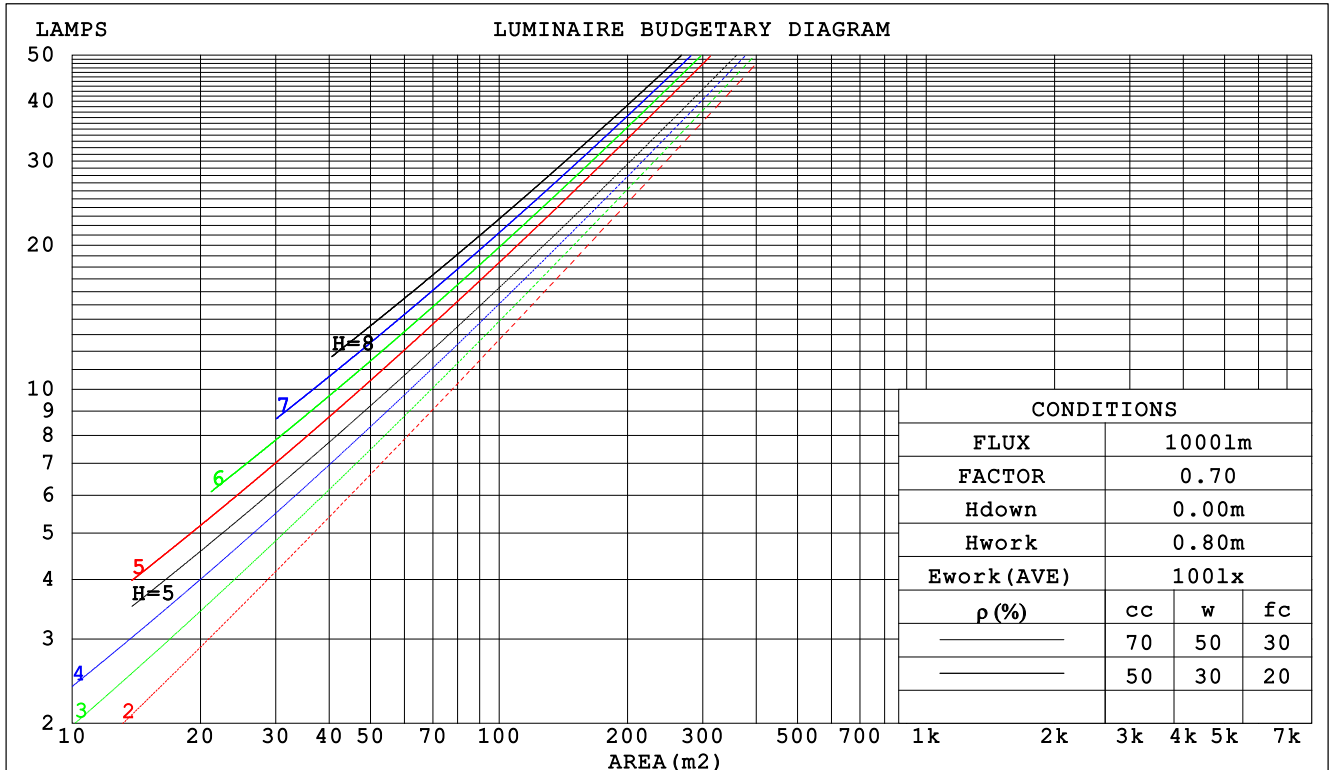
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:#55MM	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	.90	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.90	.85	.93	.89	.85	.91	.87	.83	.88	.85	.82	.86	.83	.80	.79
4.0	.88	.83	.78	.87	.82	.78	.85	.80	.77	.83	.79	.76	.81	.77	.75	.73
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.70	.76	.73	.70	.68
6.0	.77	.71	.67	.77	.71	.67	.75	.70	.66	.73	.69	.66	.72	.68	.65	.64
7.0	.73	.67	.62	.72	.66	.62	.71	.65	.62	.69	.65	.61	.68	.64	.61	.59
8.0	.69	.63	.58	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.60	.57	.56
9.0	.65	.59	.55	.64	.59	.55	.63	.58	.54	.62	.58	.54	.61	.57	.54	.53
10.0	.61	.56	.52	.61	.55	.52	.60	.55	.51	.59	.55	.51	.58	.54	.51	.50



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:#55MM	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	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.186	.106	.034	.179	.102	.032	.166	.095	.030	.154	.089	.028	.143	.083	.027		
2.0	.178	.098	.030	.173	.095	.029	.161	.090	.028	.151	.085	.027	.141	.080	.025		
3.0	.170	.090	.027	.165	.088	.027	.155	.084	.026	.146	.080	.025	.138	.076	.024		
4.0	.161	.084	.025	.157	.082	.024	.148	.079	.023	.140	.075	.023	.133	.072	.022		
5.0	.153	.078	.023	.149	.076	.022	.142	.074	.022	.135	.071	.021	.128	.069	.021		
6.0	.145	.073	.021	.142	.072	.021	.135	.069	.020	.129	.067	.020	.124	.065	.019		
7.0	.138	.068	.019	.135	.067	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018		
8.0	.132	.064	.018	.129	.064	.018	.124	.062	.018	.119	.060	.017	.115	.059	.017		
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.115	.057	.016	.110	.056	.016		
10.0	.121	.058	.016	.118	.057	.016	.114	.056	.016	.110	.055	.016	.106	.054	.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	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021		
1.0	.180	.165	.152	.154	.142	.131	.105	.098	.091	.061	.056	.053	.019	.018	.017		
2.0	.165	.140	.120	.141	.121	.103	.097	.084	.072	.056	.049	.042	.018	.016	.014		
3.0	.153	.122	.097	.131	.105	.084	.090	.073	.059	.052	.043	.035	.017	.014	.011		
4.0	.143	.107	.079	.123	.093	.069	.084	.064	.049	.049	.038	.029	.016	.012	.009		
5.0	.135	.096	.067	.116	.083	.058	.080	.058	.041	.046	.034	.024	.015	.011	.008		
6.0	.127	.086	.057	.109	.075	.050	.075	.052	.035	.044	.031	.021	.014	.010	.007		
7.0	.121	.079	.050	.104	.068	.043	.072	.048	.031	.042	.028	.018	.013	.009	.006		
8.0	.115	.073	.044	.099	.063	.038	.068	.044	.027	.040	.026	.016	.013	.009	.005		
9.0	.110	.068	.039	.095	.059	.034	.066	.041	.024	.038	.024	.014	.012	.008	.005		
10.0	.105	.063	.035	.091	.055	.031	.063	.039	.022	.037	.023	.013	.012	.007	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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:3500K CRI90			WEIGHT:		
SPEC.:RAR40R-12-35K					DIM.:			SERIAL No.:1		
MFR.: RAYHIL					SUR.: ϕ 55MM			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	24.6	25.6	24.8	25.8	26.0	24.6	25.6	24.9	25.8	26.0
3H	24.6	25.5	24.8	25.7	25.9	24.6	25.5	24.9	25.7	25.9
4H	24.6	25.4	24.9	25.7	25.9	24.6	25.4	24.9	25.7	25.9
6H	24.5	25.3	24.9	25.6	25.9	24.5	25.3	24.9	25.6	25.9
8H	24.5	25.3	24.8	25.5	25.8	24.5	25.3	24.8	25.5	25.8
12H	24.5	25.2	24.8	25.5	25.8	24.5	25.2	24.8	25.5	25.8
4H 2H	24.4	25.3	24.7	25.5	25.7	24.4	25.3	24.7	25.5	25.8
3H	24.4	25.2	24.8	25.5	25.7	24.4	25.2	24.8	25.5	25.8
4H	24.5	25.1	24.8	25.5	25.8	24.5	25.1	24.8	25.5	25.8
6H	24.5	25.1	24.9	25.4	25.8	24.5	25.1	24.9	25.4	25.8
8H	24.5	25.0	24.9	25.4	25.8	24.5	25.0	24.9	25.4	25.8
12H	24.4	24.9	24.8	25.3	25.7	24.4	24.9	24.8	25.3	25.7
8H 4H	24.4	25.0	24.8	25.3	25.7	24.4	25.0	24.8	25.3	25.7
6H	24.5	24.9	24.9	25.3	25.8	24.5	24.9	24.9	25.3	25.8
8H	24.4	24.8	24.9	25.2	25.7	24.4	24.8	24.9	25.2	25.7
12H	24.4	24.7	24.9	25.2	25.7	24.4	24.7	24.9	25.2	25.7
12H 4H	24.4	24.9	24.8	25.3	25.7	24.4	24.9	24.8	25.3	25.7
6H	24.4	24.8	24.9	25.2	25.7	24.4	24.8	24.9	25.2	25.7
8H	24.4	24.7	24.9	25.2	25.7	24.4	24.7	24.9	25.2	25.7
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / - 5.7					+ 3.1 / - 5.8				
1.5H	+ 3.6 / - 5.8					+ 3.4 / - 6.0				
2.0H	+ 5.5 / - 2.3					+ 6.0 / - 2.7				

CIE Pub.117, 782.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.9)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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:

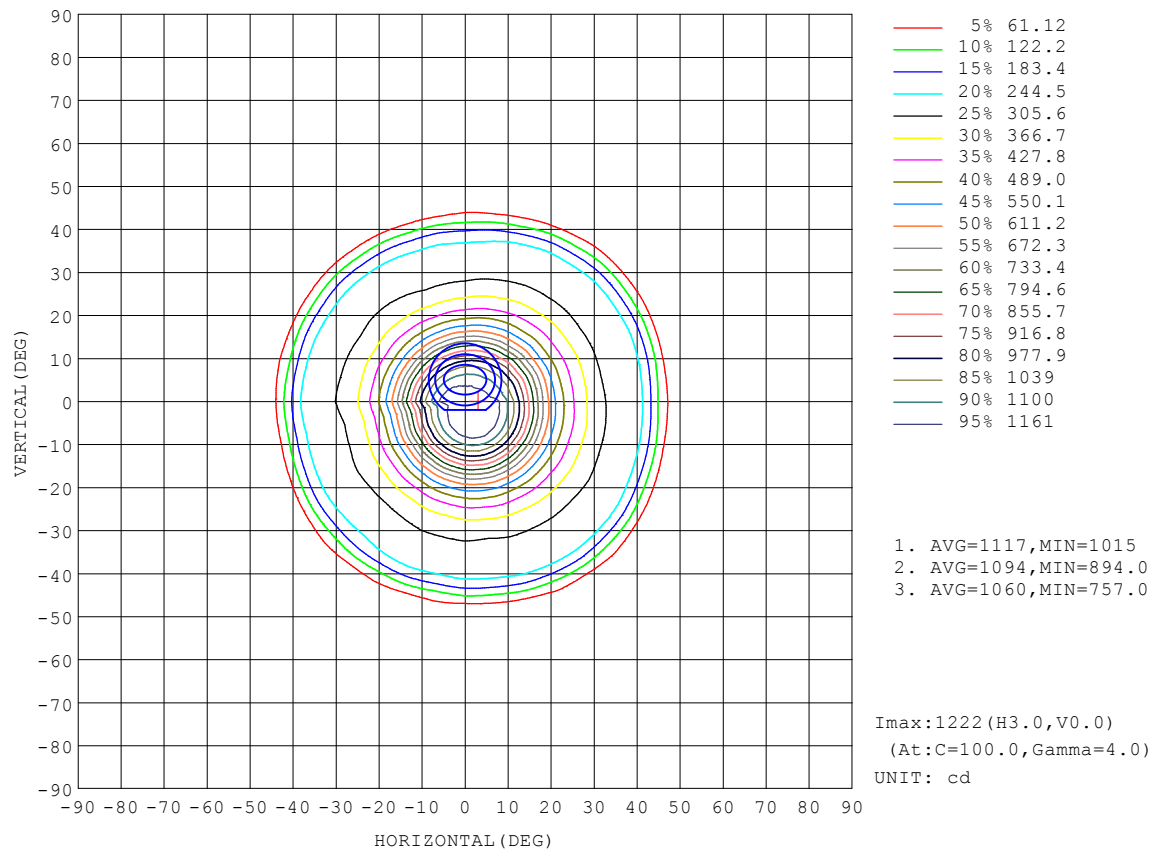
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Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME:	TYPE:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	Shielding Angle:

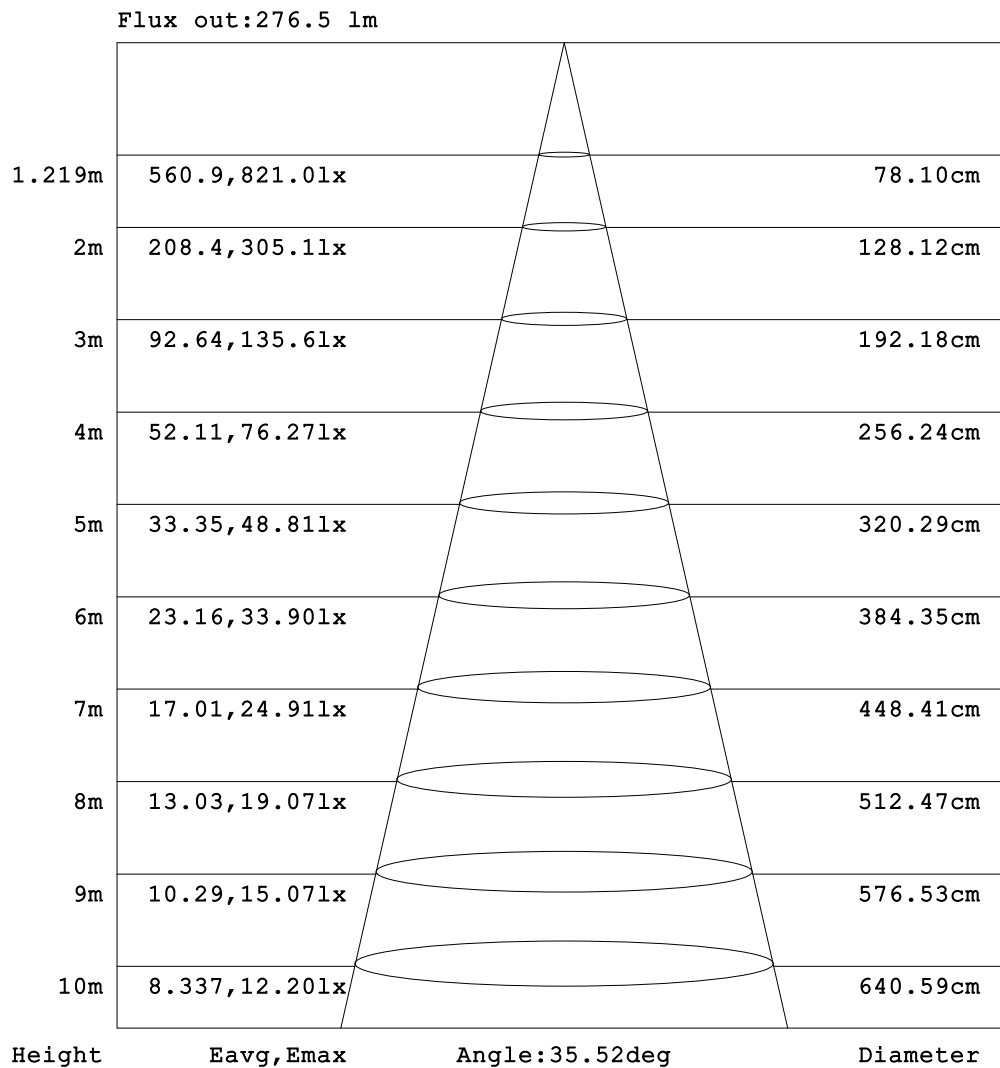


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	Shielding Angle:



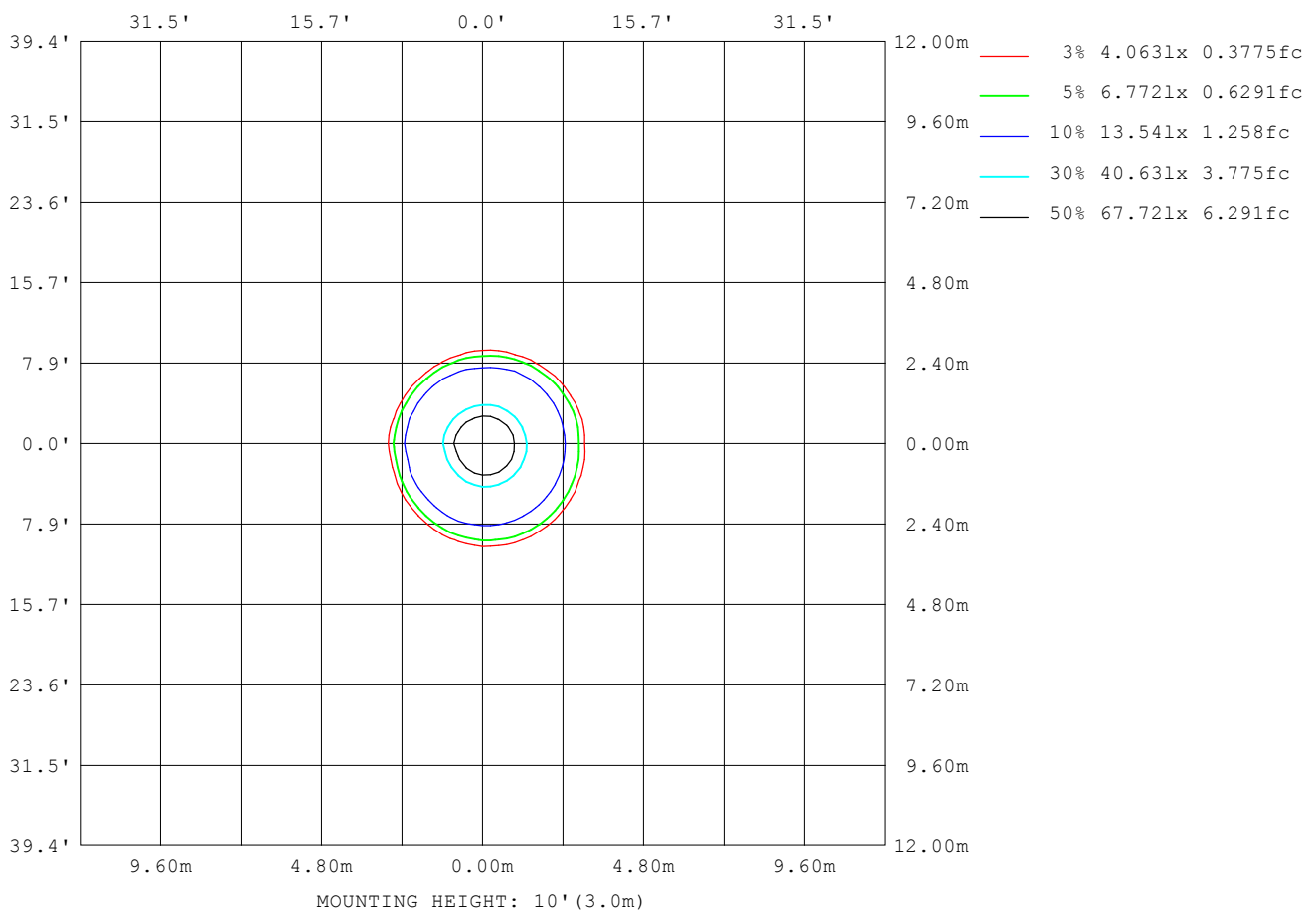
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	Shielding Angle:

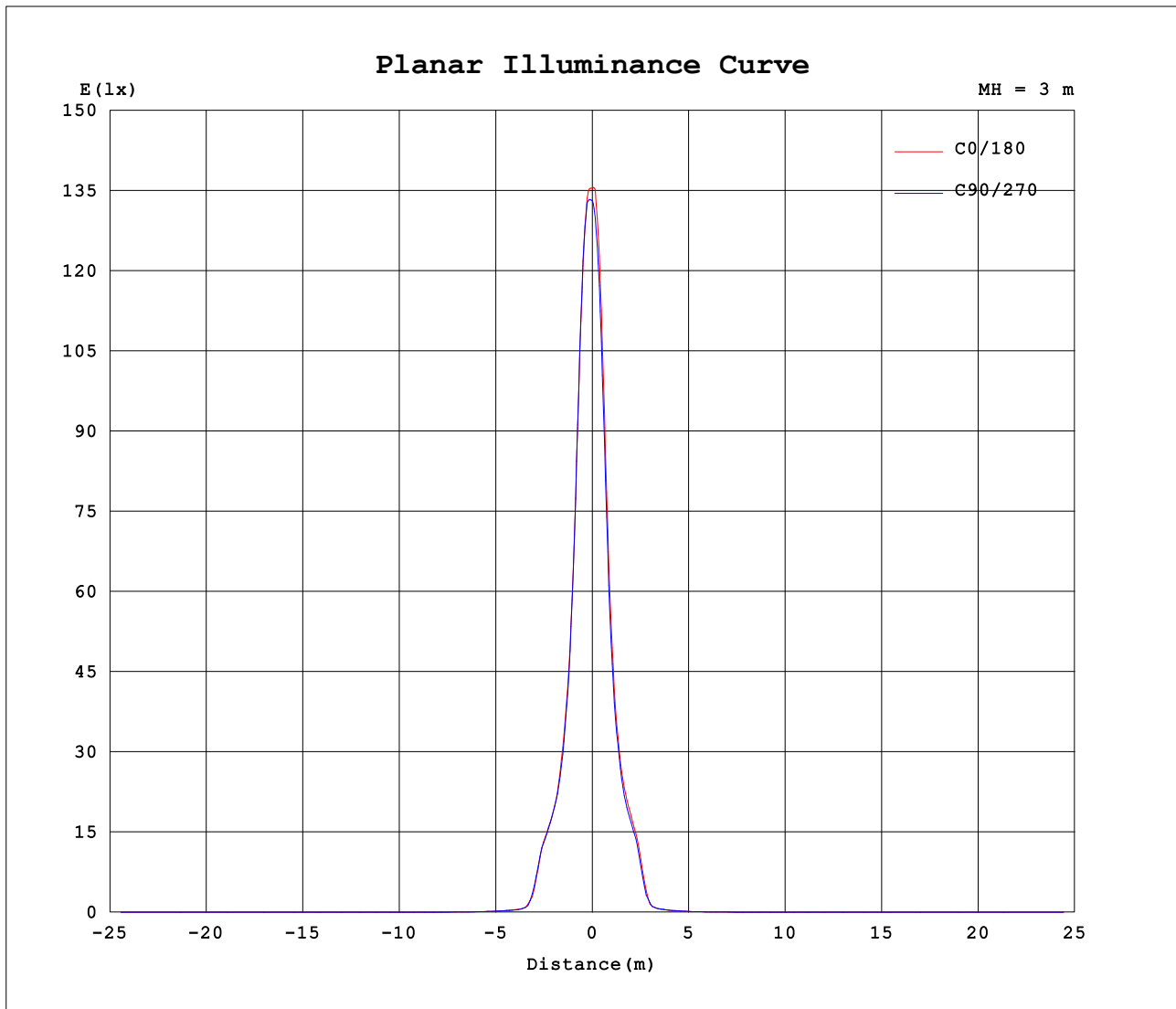
AvgL	cd/m2
L_0~180 (65) av	9574
L_0~180 (75) av	8574
L_0~180 (85) av	1073
L_90~270 (65) av	9656
L_90~270 (75) av	8499
L_90~270 (85) av	1198
L_45 (65) av	9591
L_45 (75) av	8517
L_45 (85) av	1150

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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: 2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55MM	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	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197
5	1194	1201	1201	1206	1206	1207	1207	1207	1213	1208	1214	1196	1203	1190	1180	1175	1164	1161	1160
10	1074	1085	1098	1110	1120	1125	1128	1122	1119	1102	1094	1070	1056	1036	1011	998	974	967	985
15	827	849	860	874	878	883	878	874	860	843	824	798	773	753	723	713	689	682	701
20	575	590	598	608	610	614	607	602	592	580	565	547	533	516	498	492	475	472	484
25	427	437	437	445	441	443	436	436	427	421	408	398	384	378	368	366	356	354	359
30	331	339	340	345	342	342	338	335	331	328	324	318	312	305	305	306	300	299	301
35	287	288	290	293	292	292	291	290	289	290	289	286	280	272	271	275	271	270	272
40	259	260	259	262	262	262	263	262	262	259	254	251	241	223	208	205	190	183	193
45	114	130	134	145	144	152	147	147	133	129	106	100.0	77.1	65.7	61.9	44.9	44.1	35.1	39.0
50	26.0	27.5	27.9	29.0	28.9	29.4	28.8	28.5	27.2	26.6	25.0	24.0	22.5	21.9	20.8	20.4	19.8	19.5	19.9
55	18.9	19.2	19.1	19.2	19.0	19.0	18.6	18.4	18.1	17.8	17.3	16.9	16.5	16.2	15.8	15.6	15.1	14.8	15.2
60	14.6	14.9	14.9	15.0	14.8	14.8	14.5	14.3	14.0	13.7	13.3	12.9	12.5	12.2	11.7	11.5	11.0	10.8	11.1
65	11.0	11.2	11.2	11.3	11.2	11.2	11.0	10.9	10.6	10.4	10.03	9.70	9.30	9.06	8.71	8.47	8.14	8.02	8.20
70	8.80	8.95	8.91	8.97	8.89	8.90	8.75	8.64	8.44	8.24	7.97	7.68	7.41	7.21	6.95	6.77	6.49	6.38	6.57
75	6.30	6.65	6.73	6.87	6.81	6.84	6.72	6.68	6.45	6.27	5.86	5.57	5.27	5.07	4.75	4.53	4.13	3.96	4.23
80	2.88	3.33	3.46	3.69	3.67	3.79	3.67	3.66	3.37	3.19	2.69	2.37	1.80	1.53	0.96	0.81	0.70	0.65	0.77
85	0.27	0.31	0.33	0.37	0.37	0.39	0.38	0.38	0.34	0.33	0.28	0.25	0.22	0.19	0.17	0.14	0.14	0.12	0.17
90	0.07	0.06	0.07	0.06	0.08	0.06	0.08	0.06	0.08	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.12
95	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.06	0.08	0.06	0.08	0.07	0.09	0.07	0.09	0.08	0.10	0.16
100	0.12	0.11	0.09	0.10	0.08	0.10	0.08	0.11	0.09	0.11	0.12	0.13	0.12	0.14	0.14	0.16	0.15	0.17	0.26
105	0.19	0.20	0.17	0.18	0.17	0.18	0.17	0.18	0.17	0.20	0.19	0.22	0.22	0.24	0.24	0.27	0.26	0.29	0.38
110	0.32	0.32	0.29	0.30	0.28	0.30	0.29	0.30	0.30	0.32	0.32	0.35	0.35	0.38	0.38	0.41	0.41	0.44	0.53
115	0.48	0.47	0.46	0.45	0.44	0.44	0.44	0.45	0.45	0.47	0.48	0.51	0.52	0.55	0.57	0.59	0.60	0.62	0.72
120	0.68	0.67	0.65	0.64	0.63	0.64	0.63	0.64	0.65	0.67	0.69	0.71	0.74	0.77	0.79	0.82	0.84	0.86	0.97
125	0.94	0.92	0.91	0.89	0.88	0.88	0.88	0.89	0.91	0.92	0.96	0.98	1.02	1.04	1.09	1.11	1.15	1.17	1.30
130	1.29	1.26	1.24	1.22	1.21	1.20	1.21	1.22	1.25	1.26	1.31	1.32	1.37	1.40	1.46	1.48	1.53	1.55	1.70
135	1.70	1.66	1.64	1.61	1.61	1.60	1.61	1.62	1.65	1.66	1.72	1.73	1.79	1.82	1.88	1.90	1.95	1.98	2.13
140	2.14	2.10	2.08	2.05	2.05	2.04	2.05	2.06	2.10	2.10	2.16	2.17	2.23	2.26	2.32	2.34	2.40	2.42	2.57
145	2.57	2.53	2.51	2.49	2.49	2.48	2.49	2.50	2.54	2.54	2.60	2.60	2.66	2.68	2.73	2.75	2.81	2.83	2.96
150	2.96	2.92	2.90	2.88	2.88	2.87	2.88	2.90	2.95	2.95	2.99	2.98	3.03	3.03	3.07	3.09	3.13	3.16	3.26
155	3.24	3.22	3.19	3.17	3.16	3.17	3.19	3.22	3.25	3.25	3.27	3.24	3.26	3.26	3.28	3.29	3.31	3.33	3.42
160	3.36	3.36	3.33	3.32	3.33	3.35	3.36	3.37	3.40	3.38	3.38	3.36	3.37	3.37	3.36	3.36	3.36	3.38	3.44
165	3.42	3.43	3.42	3.41	3.42	3.43	3.44	3.46	3.47	3.45	3.45	3.42	3.42	3.42	3.42	3.41	3.41	3.40	3.45
170	3.43	3.45	3.45	3.45	3.45	3.46	3.45	3.46	3.45	3.43	3.43	3.39	3.41	3.41	3.42	3.42	3.41	3.38	3.44
175	3.44	3.46	3.46	3.48	3.49	3.51	3.49	3.47	3.45	3.42	3.44	3.42	3.45	3.47	3.47	3.45	3.42	3.39	3.45
180	3.48	3.49	3.48	3.50	3.50	3.51	3.46	3.45	3.45	3.44	3.46	3.45	3.49	3.52	3.52	3.50	3.47	3.47	3.49

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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:3500K CRI90	WEIGHT:
SPEC.:RAR40R-12-35K	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:#55MM	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197	1197		
5	1162	1147	1146	1137	1138	1128	1132	1132	1134	1142	1144	1152	1159	1170	1176	1185	1190		
10	967	955	943	937	931	931	932	942	947	968	977	1001	1014	1038	1050	1071	1080		
15	682	672	658	656	650	652	652	666	673	696	706	735	752	784	800	831	842		
20	474	465	455	457	449	451	447	457	460	482	495	513	525	547	558	578	585		
25	352	351	344	348	344	341	336	344	350	367	373	389	397	411	418	431	436		
30	297	295	292	293	294	289	284	286	286	296	300	310	314	322	326	335	338		
35	268	264	259	261	261	259	256	259	258	265	273	280	281	284	285	288	289		
40	175	169	155	156	149	154	154	168	171	191	205	224	234	249	256	261	263		
45	44.4	32.9	31.5	31.3	30.8	31.5	31.8	33.7	45.1	39.8	50.2	55.3	66.3	84.6	96.2	115	126		
50	19.4	19.4	19.2	19.3	19.1	19.5	19.7	20.4	20.9	21.3	21.2	21.8	22.3	23.5	24.3	25.9	26.8		
55	14.8	14.7	14.6	14.6	14.6	14.8	15.1	15.6	15.9	16.4	16.6	17.3	17.7	18.2	18.5	18.9	19.1		
60	10.8	10.7	10.6	10.7	10.6	10.9	11.0	11.5	11.7	12.3	12.5	13.1	13.5	14.1	14.3	14.7	14.9		
65	7.99	8.00	7.87	7.99	8.04	8.27	8.42	8.83	9.02	9.43	9.58	9.95	10.2	10.6	10.8	11.1	11.2		
70	6.28	6.25	6.13	6.20	6.22	6.37	6.45	6.78	6.96	7.38	7.48	7.82	8.06	8.35	8.57	8.87	8.99		
75	3.84	3.78	3.61	3.65	3.60	3.72	3.77	4.04	4.18	4.63	4.82	5.20	5.42	5.72	5.94	6.36	6.58		
80	0.66	0.64	0.56	0.57	0.53	0.57	0.56	0.64	0.67	0.78	0.84	1.18	1.51	2.13	2.44	3.08	3.28		
85	0.17	0.15	0.15	0.14	0.15	0.14	0.15	0.14	0.17	0.17	0.19	0.20	0.23	0.25	0.29	0.31	0.34		
90	0.12	0.13	0.12	0.13	0.12	0.13	0.12	0.13	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.12		
95	0.15	0.17	0.16	0.18	0.17	0.17	0.16	0.17	0.15	0.16	0.14	0.15	0.13	0.14	0.13	0.13	0.12		
100	0.25	0.27	0.26	0.27	0.26	0.27	0.26	0.27	0.25	0.25	0.23	0.23	0.21	0.21	0.19	0.20	0.18		
105	0.37	0.39	0.39	0.40	0.39	0.40	0.39	0.39	0.38	0.38	0.35	0.35	0.33	0.32	0.30	0.30	0.28		
110	0.53	0.55	0.55	0.56	0.55	0.56	0.55	0.55	0.53	0.53	0.50	0.49	0.48	0.46	0.44	0.44	0.41		
115	0.73	0.75	0.75	0.76	0.76	0.76	0.75	0.74	0.72	0.72	0.68	0.67	0.65	0.64	0.61	0.60	0.58		
120	0.99	1.00	1.02	1.02	1.02	1.02	1.01	1.00	0.98	0.96	0.93	0.91	0.88	0.86	0.83	0.82	0.80		
125	1.33	1.34	1.36	1.36	1.37	1.36	1.36	1.34	1.31	1.29	1.25	1.23	1.20	1.16	1.13	1.11	1.09		
130	1.73	1.74	1.77	1.77	1.78	1.77	1.77	1.75	1.73	1.70	1.65	1.62	1.59	1.54	1.52	1.48	1.46		
135	2.17	2.18	2.21	2.21	2.22	2.21	2.20	2.19	2.16	2.14	2.09	2.06	2.03	1.98	1.95	1.90	1.89		
140	2.60	2.61	2.63	2.63	2.64	2.62	2.62	2.60	2.58	2.56	2.52	2.48	2.46	2.41	2.39	2.34	2.32		
145	2.98	2.99	3.01	2.99	3.00	2.99	3.00	3.00	2.97	2.96	2.91	2.87	2.85	2.81	2.79	2.75	2.74		
150	3.27	3.27	3.28	3.26	3.26	3.25	3.27	3.28	3.27	3.26	3.21	3.19	3.16	3.13	3.12	3.10	3.09		
155	3.40	3.40	3.40	3.39	3.38	3.38	3.39	3.42	3.42	3.43	3.38	3.37	3.35	3.33	3.32	3.31	3.32		
160	3.42	3.41	3.41	3.43	3.43	3.42	3.42	3.44	3.45	3.48	3.44	3.45	3.44	3.41	3.39	3.38	3.41		
165	3.43	3.43	3.43	3.43	3.42	3.44	3.44	3.47	3.47	3.52	3.49	3.50	3.47	3.45	3.43	3.44	3.45		
170	3.42	3.42	3.42	3.40	3.38	3.38	3.37	3.40	3.41	3.46	3.43	3.46	3.44	3.43	3.42	3.42	3.44		
175	3.44	3.45	3.47	3.47	3.45	3.42	3.40	3.40	3.39	3.43	3.43	3.48	3.49	3.48	3.46	3.44	3.44		
180	3.48	3.49	3.49	3.51	3.50	3.47	3.44	3.46	3.44	3.46	3.45	3.50	3.52	3.52	3.49	3.47	3.47		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-25

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: