

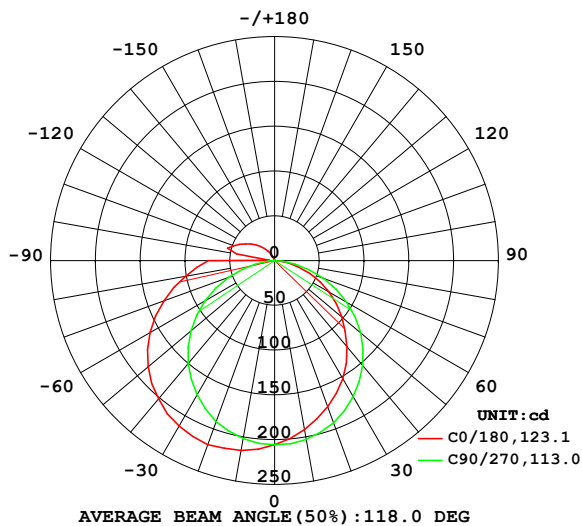
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

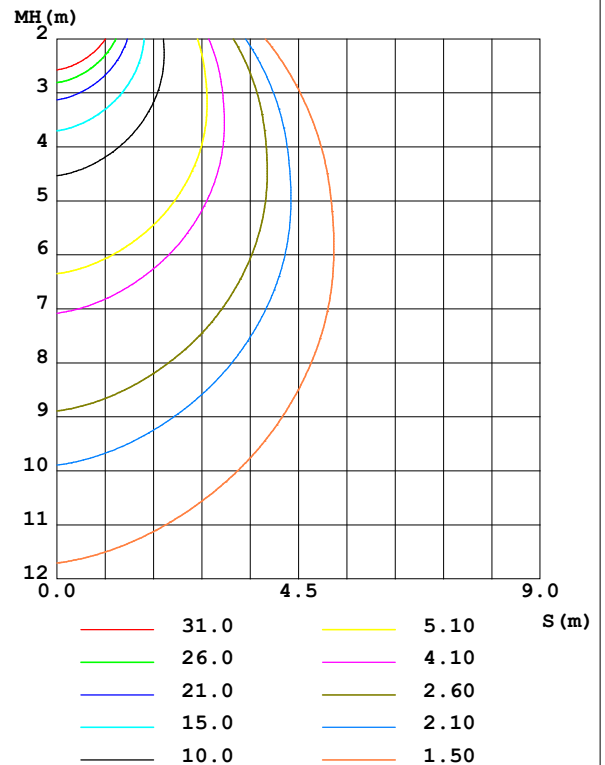
Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.84 lm/W
MODEL		I _{max} (cd)	218.7	S/MH (C0/180)		1.53
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)		1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	722.01	η UP, DN (C0-180)		1.8, 42.6
NOMINAL FLUX (lm)	722.013	CIE CLASS	DIRECT	η UP, DN (C180-360)		5.2, 50.4
LAMPS INSIDE	1	η up (%)	7.0	CIBSE SHR NOM		1.50
TEST VOLTAGE (V)	120	η down (%)	93.0	CIBSE SHR MAX		1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 2025-07-29

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity: 65.0%
Test Distance: 26.000m [K=1.2600]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	191.7	194.9	203.0	211.9	215.1	210.7	201.7	194.0	0- 10	19.51	19.51	2.7,2.7
20	173.7	178.9	192.8	210.6	218.7	208.9	191.2	177.3	10- 20	56.22	75.73	10.5,10.5
30	152.2	157.8	175.3	202.2	213.4	200.8	173.0	155.7	20- 30	86.24	162.0	22.4,22.4
40	126.0	132.9	152.9	187.5	201.6	185.0	150.1	130.8	30- 40	105.9	267.9	37.1,37.1
50	98.29	102.9	125.5	167.2	184.3	164.4	121.9	102.7	40- 50	112.9	380.9	52.7,52.7
60	70.50	73.70	92.93	140.5	160.5	137.2	89.62	71.80	50- 60	106.7	487.5	67.5,67.5
70	41.97	43.74	57.98	109.5	131.4	106.5	54.71	42.58	60- 70	88.40	575.9	79.8,79.8
80	15.65	16.28	23.27	77.11	100.9	74.13	20.76	15.46	70- 80	61.28	637.2	88.3,88.3
90	0.0025	0	0	49.35	74.07	47.47	0.0087	0.0040	80- 90	33.95	671.2	93,93
100	0	0	0	28.14	43.30	28.90	0	0	90-100	9.686	680.9	94.3,94.3
110	0	0	0	26.40	48.72	27.27	0	0	100-110	14.22	695.1	96.3,96.3
120	0	0	0	21.04	37.60	20.86	0	0	110-120	11.27	706.3	97.8,97.8
130	0	0	0	15.10	27.48	17.06	0	0	120-130	7.790	714.1	98.9,98.9
140	0	0	0	9.068	17.82	13.40	0	0	130-140	4.853	719.0	99.6,99.6
150	0	0	0	3.570	9.133	7.845	0	0	140-150	2.409	721.4	99.9,99.9
160	0	0	0	0	0.1509	0.0090	0	0	150-160	0.6127	722.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0.0016	722.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	722.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-07-29

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2600]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz

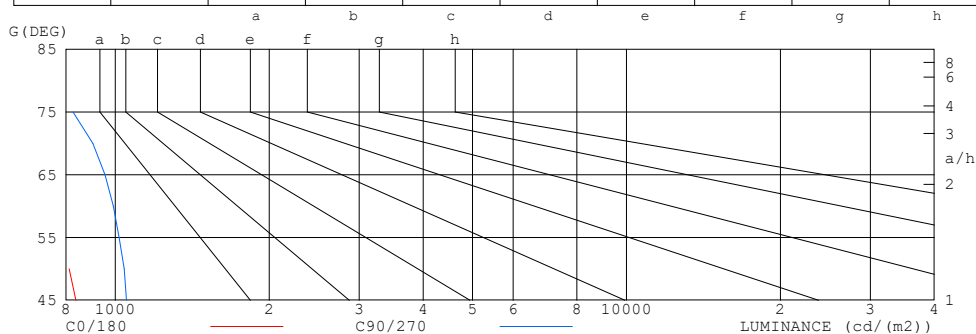
Lamp Flux:722.013x1 lm

NAME: 8975WH-5CCT_IES

MFR.: Royal Pacific Ltd.

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-07-29

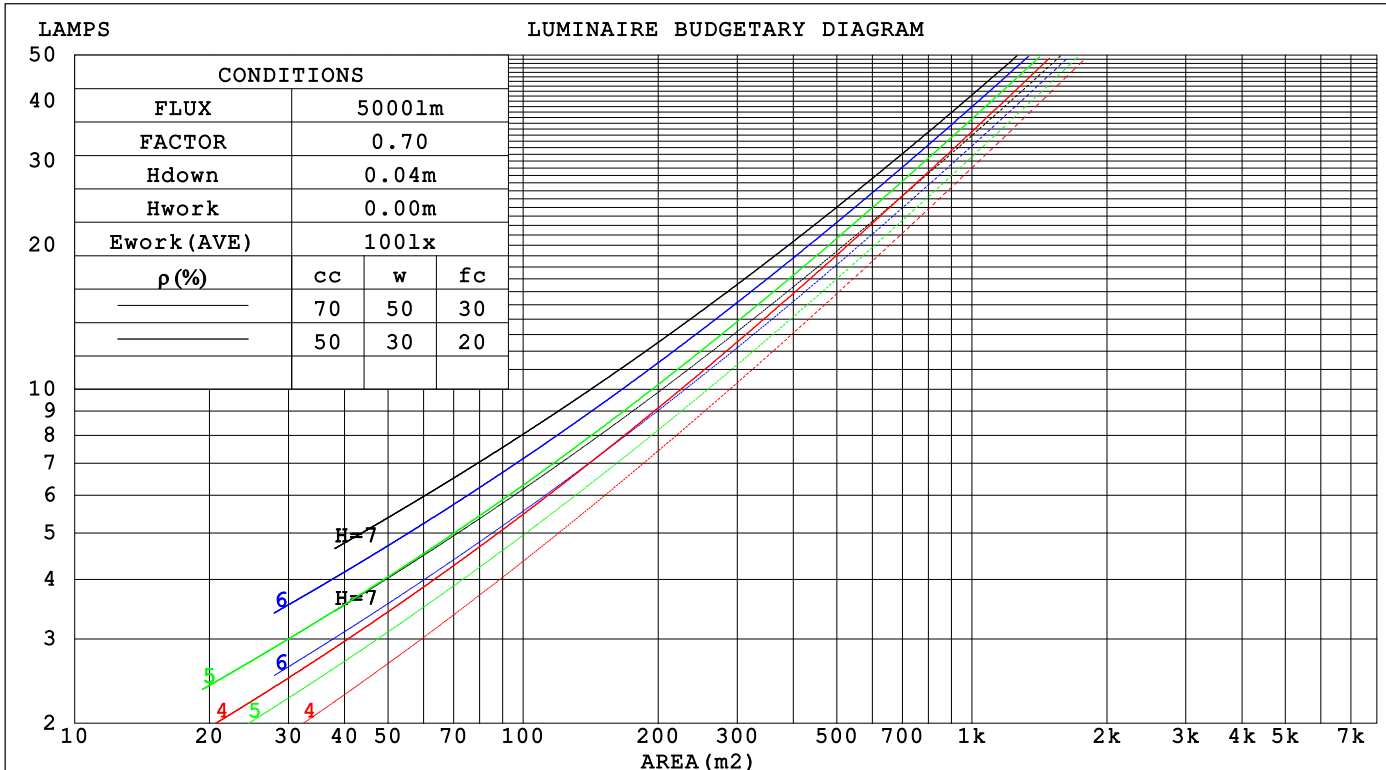
γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2600]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		

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															
	Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1.0	1.00	.95	.91	.97	.93	.89	.92	.88	.85	.86	.83	.81	.82	.79	.77	.74
2.0	.86	.79	.73	.84	.77	.71	.79	.73	.69	.75	.70	.66	.71	.67	.63	.61
3.0	.75	.67	.60	.73	.65	.59	.69	.62	.57	.65	.60	.55	.62	.57	.53	.50
4.0	.66	.57	.50	.65	.56	.49	.61	.54	.48	.58	.52	.46	.55	.50	.45	.43
5.0	.59	.50	.43	.57	.49	.42	.55	.47	.41	.52	.45	.40	.49	.44	.39	.37
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.47	.40	.35	.45	.39	.34	.32
7.0	.48	.39	.33	.47	.38	.32	.45	.37	.32	.42	.36	.31	.41	.35	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.41	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.35	.28	.23	.33	.27	.22	.32	.26	.22	.20



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-07-29

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2600]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz											
Lamp Flux:722.013x1 lm											
NAME: 8975WH-5CCT_IES											
MFR.: Royal Pacific Ltd.											

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	.350	.199	.063	.340	.194	.062	.323	.185	.059	.307	.177	.057	.292	.169	.055			
2.0	.315	.172	.053	.306	.169	.052	.291	.162	.050	.276	.155	.049	.263	.149	.047			
3.0	.285	.152	.045	.278	.149	.045	.264	.143	.043	.251	.137	.042	.239	.132	.041			
4.0	.260	.135	.040	.253	.132	.039	.240	.128	.038	.229	.123	.037	.218	.118	.036			
5.0	.238	.121	.035	.232	.119	.035	.221	.115	.034	.210	.111	.033	.200	.107	.032			
6.0	.219	.110	.031	.214	.108	.031	.204	.104	.030	.194	.101	.030	.185	.098	.029			
7.0	.203	.100	.028	.198	.099	.028	.189	.096	.028	.180	.092	.027	.172	.089	.026			
8.0	.189	.092	.026	.185	.091	.026	.176	.088	.025	.168	.085	.025	.161	.083	.024			
9.0	.177	.085	.024	.173	.084	.024	.165	.082	.023	.158	.079	.023	.151	.077	.022			
10.0	.166	.079	.022	.162	.078	.022	.155	.076	.021	.148	.074	.021	.142	.072	.021			

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	.244	.244	.244	.209	.209	.209	.142	.142	.142	.082	.082	.082	.026	.026	.026	
1.0	.237	.210	.185	.203	.180	.159	.139	.124	.110	.080	.072	.064	.026	.023	.021	
2.0	.230	.186	.150	.197	.160	.129	.135	.111	.090	.078	.065	.053	.025	.021	.017	
3.0	.222	.169	.127	.190	.146	.110	.131	.101	.077	.076	.059	.045	.024	.019	.015	
4.0	.214	.156	.112	.184	.135	.097	.127	.094	.068	.073	.055	.040	.024	.018	.013	
5.0	.207	.146	.101	.178	.126	.088	.122	.088	.062	.071	.052	.037	.023	.017	.012	
6.0	.199	.138	.094	.171	.119	.082	.118	.084	.058	.069	.049	.034	.022	.016	.011	
7.0	.193	.131	.088	.166	.114	.077	.114	.080	.054	.066	.047	.032	.021	.015	.011	
8.0	.186	.125	.084	.160	.109	.073	.111	.076	.052	.064	.045	.031	.021	.015	.010	
9.0	.180	.121	.081	.155	.105	.070	.107	.074	.050	.062	.043	.030	.020	.014	.010	
10.0	.174	.116	.078	.150	.101	.068	.104	.071	.048	.061	.042	.029	.020	.014	.010	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-07-29

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2600]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		

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) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	34	51	40	33	27
0.80	63	50	43	61	50	42	59	49	42	34
1.00	71	59	51	69	58	51	66	59	50	42
1.25	78	66	59	76	65	58	73	63	57	48
1.50	83	72	64	81	71	64	77	68	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	85	79	92	84	77	87	80	75	64
3.00	98	90	84	95	88	82	90	84	79	68
4.00	102	96	90	99	93	88	94	89	85	73
5.00	105	99	94	102	97	92	96	92	88	77
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

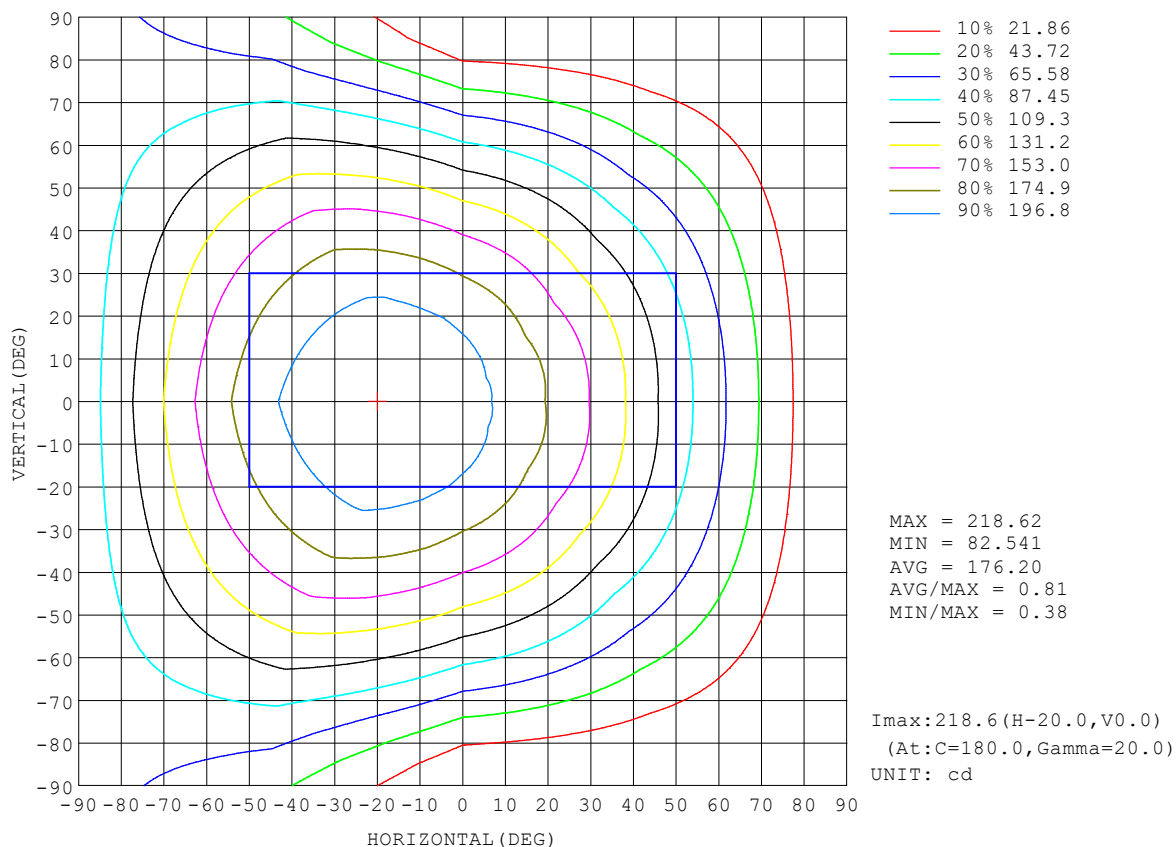
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2025-07-29

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.2600]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		



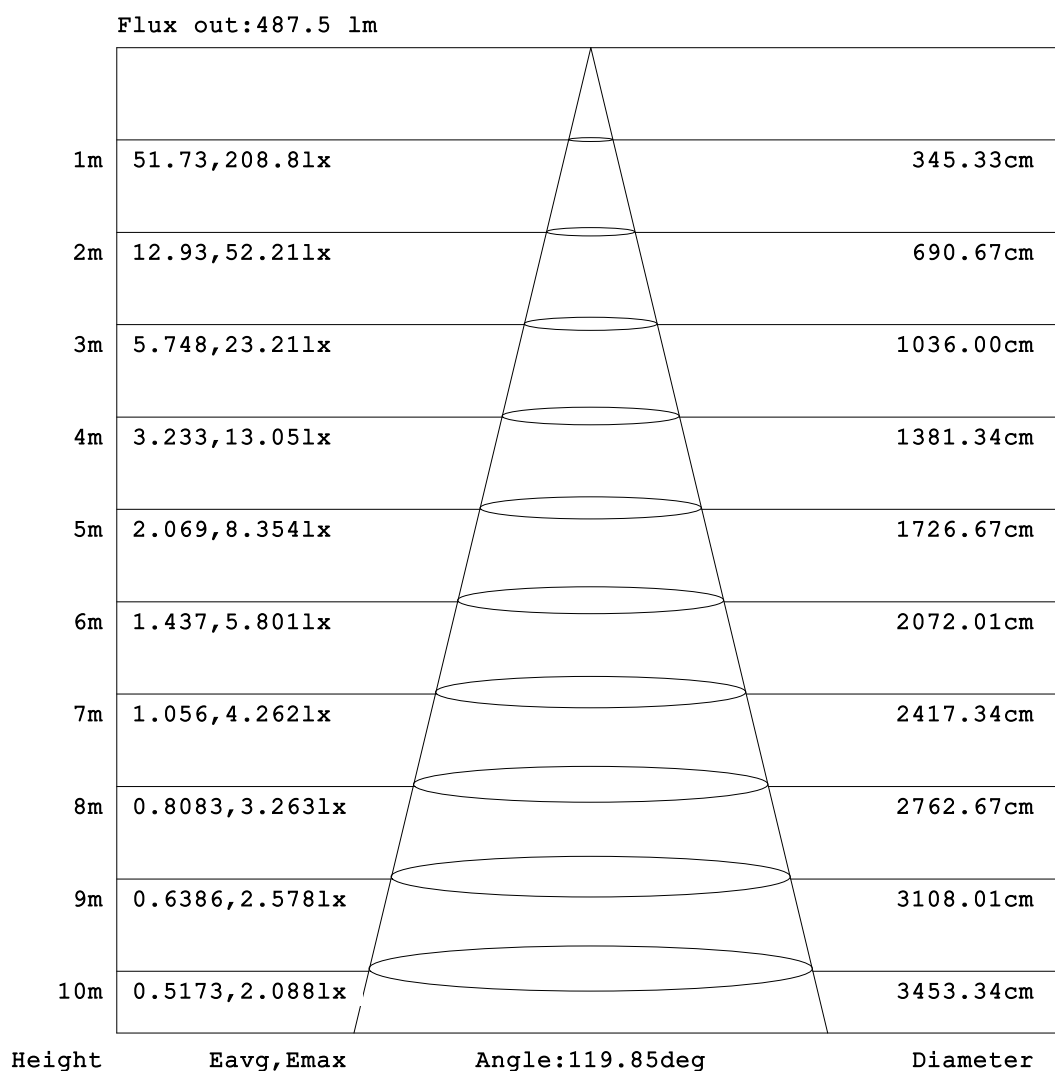
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-07-29

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2600]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		



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

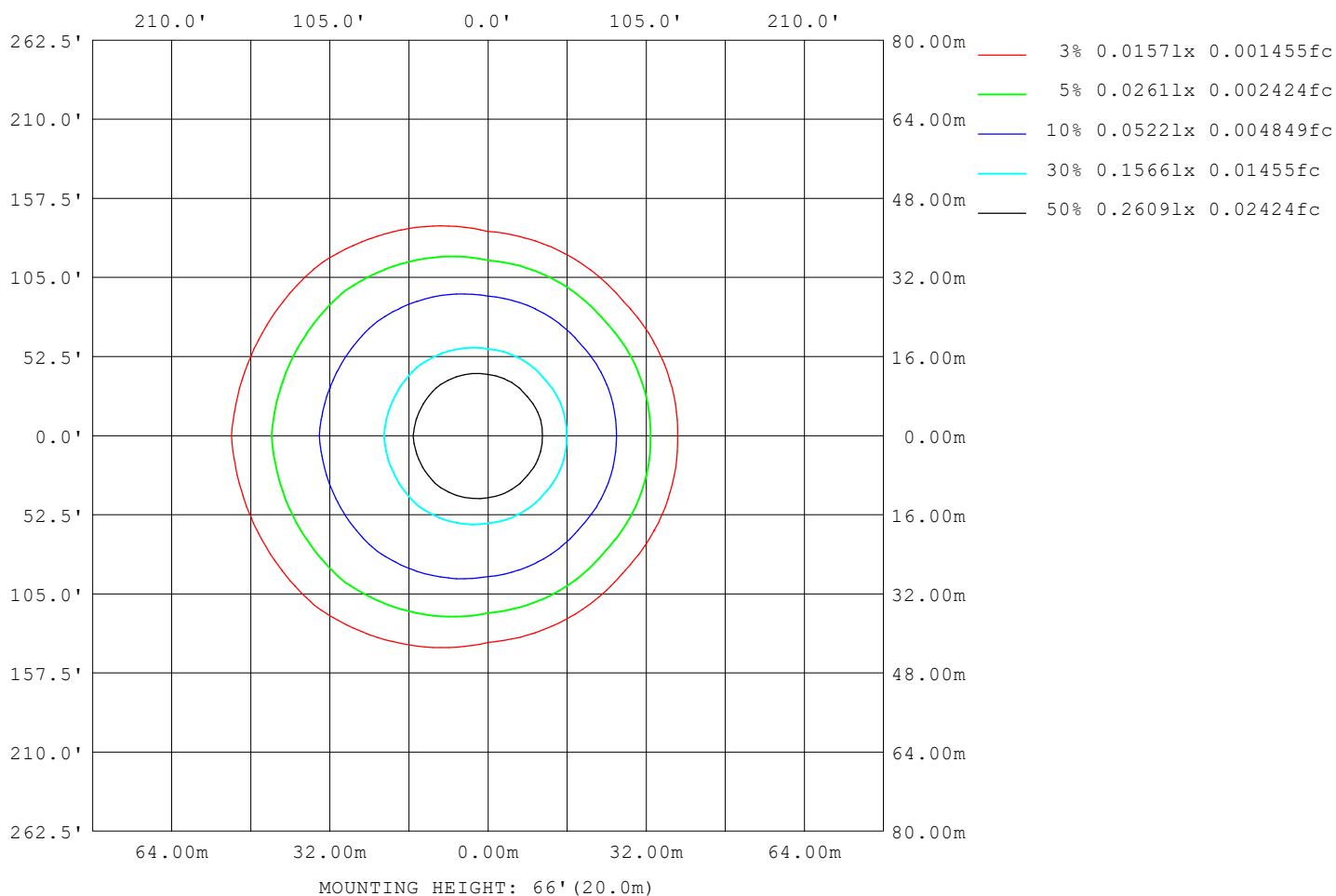
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-07-29

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2600]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2025-07-29

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2600]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		

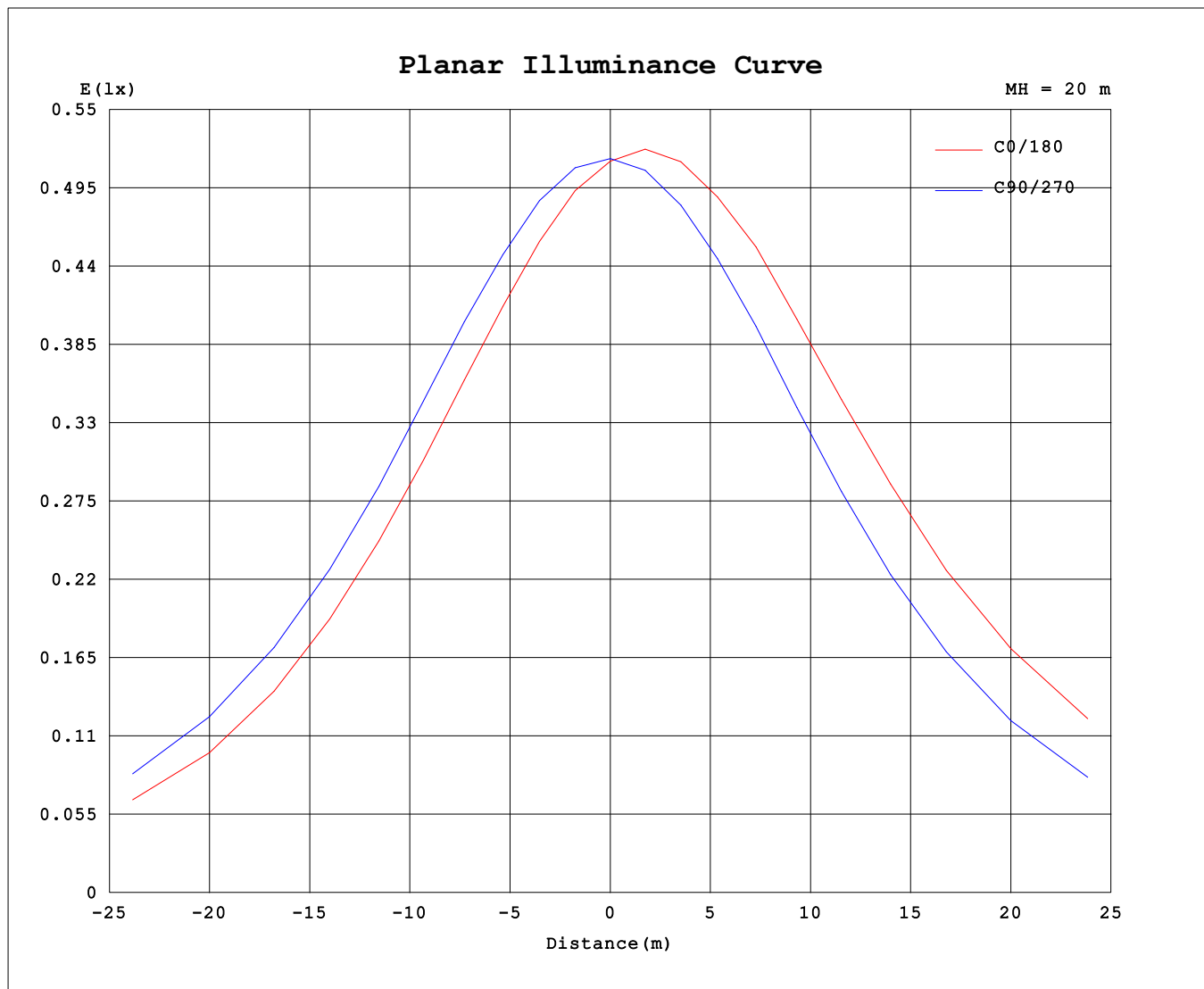
AvgL	cd/m2
L_0~180 (65) av	1277
L_0~180 (75) av	1481
L_0~180 (85) av	2805
L_90~270 (65) av	932
L_90~270 (75) av	795
L_90~270 (85) av	500
L_45 (65) av	1144
L_45 (75) av	1237
L_45 (85) av	2025

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-07-29

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2600]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2025-07-29

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.2600]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.0869A P:9.9125W PF:0.9511 Freq:60.01Hz		
Lamp Flux:722.013x1 lm		
NAME: 8975WH-5CCT_IES		
MFR.: Royal Pacific Ltd.		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	206	206	206	206	206	206	206	206										
5	200	201	205	210	211	209	205	201										
10	192	195	203	212	215	211	202	194										
15	183	187	198	212	217	211	197	186										
20	174	179	193	211	219	209	191	177										
25	163	169	185	207	216	205	183	167										
30	152	158	175	202	213	201	173	156										
35	140	146	165	196	209	193	162	144										
40	126	133	153	188	202	185	150	131										
45	111	119	139	178	194	175	136	117										
50	98.3	103	126	167	184	164	122	103										
55	84.5	87.3	109	154	173	151	106	87.7										
60	70.5	73.7	92.9	140	160	137	89.6	71.8										
65	56.2	58.8	75.8	125	147	122	72.4	57.2										
70	42.0	43.7	58.0	109	131	107	54.7	42.6										
75	27.7	29.6	40.1	92.6	117	90.3	37.3	28.5										
80	15.6	16.3	23.3	77.1	101	74.1	20.8	15.5										
85	4.80	5.69	9.28	62.4	87.2	59.9	7.13	4.84										
90	0.00	0.00	0.00	49.3	74.1	47.5	0.01	0.00										
95	0.00	0.00	0.00	0.05	5.94	0.42	0.00	0.00										
100	0.00	0.00	0.00	28.1	43.3	28.9	0.00	0.00										
105	0.00	0.00	0.00	28.5	54.7	30.8	0.00	0.00										
110	0.00	0.00	0.00	26.4	48.7	27.3	0.00	0.00										
115	0.00	0.00	0.00	23.7	43.2	23.8	0.00	0.00										
120	0.00	0.00	0.00	21.0	37.6	20.9	0.00	0.00										
125	0.00	0.00	0.00	18.0	32.4	18.7	0.00	0.00										
130	0.00	0.00	0.00	15.1	27.5	17.1	0.00	0.00										
135	0.00	0.00	0.00	12.1	22.4	15.5	0.00	0.00										
140	0.00	0.00	0.00	9.07	17.8	13.4	0.00	0.00										
145	0.00	0.00	0.00	6.25	13.4	10.7	0.00	0.00										
150	0.00	0.00	0.00	3.57	9.13	7.84	0.00	0.00										
155	0.00	0.00	0.00	0.00	5.24	4.65	0.00	0.00										
160	0.00	0.00	0.00	0.00	0.15	0.01	0.00	0.00										
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-07-29

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2600]
Remarks: