

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888286

Luminaire Tested: **DPT5-6FO55-85V60-A-XX-UDD_3500K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P888286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: DPT5-6FO55-85V60-A-XX-UDD_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

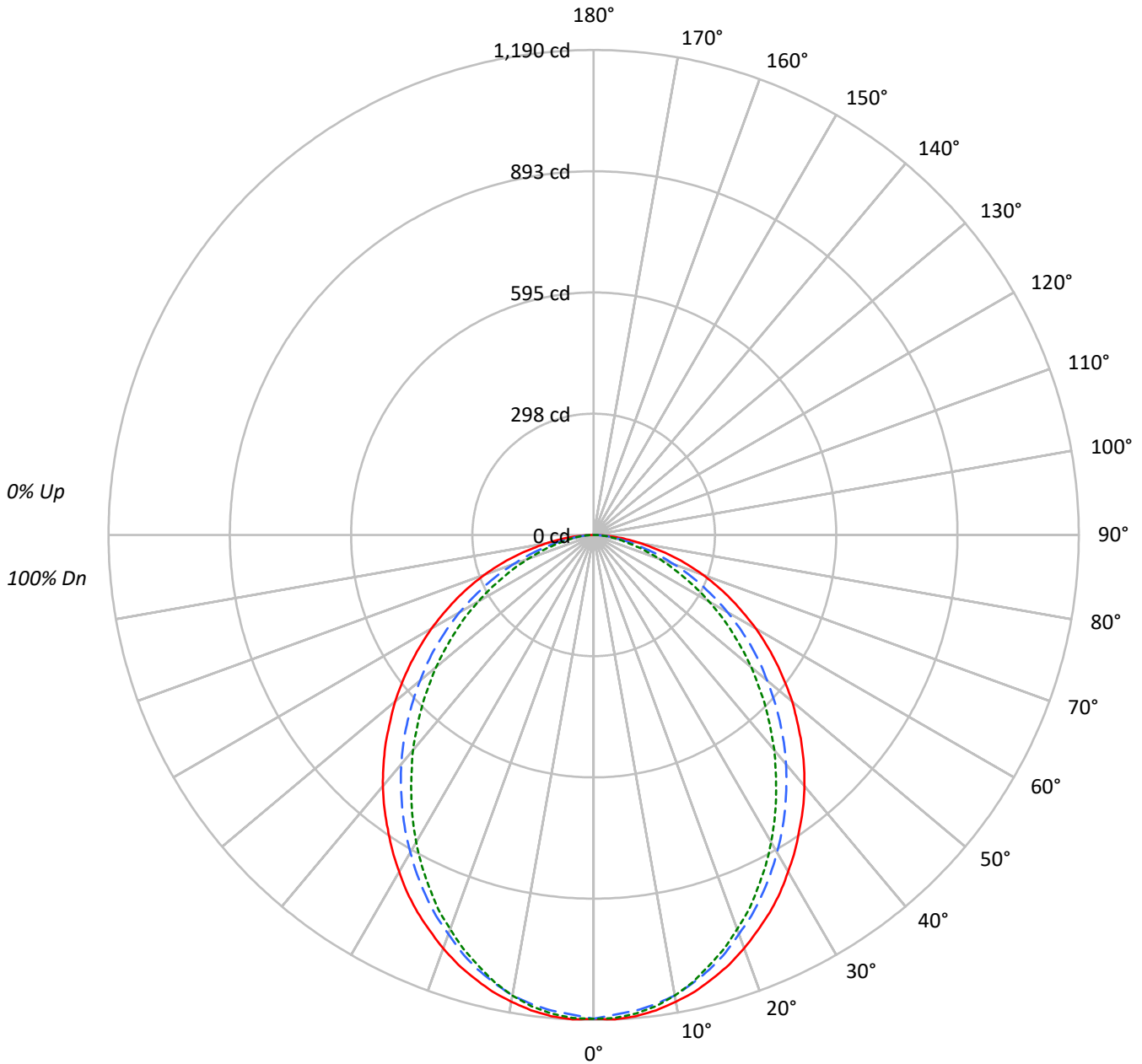
Lumens per Lamp: N/A
Luminaire Lumens: 2805.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7582	7582	7582
5°	7600	7513	7558
10°	7542	7443	7443
15°	7453	7291	7233
20°	7336	7081	6996
25°	7202	6875	6723
30°	7036	6632	6422
35°	6865	6383	6082
40°	6706	6122	5749
45°	6511	5830	5386
50°	6316	5515	5007
55°	6092	5213	4604
60°	5864	4843	4168
65°	5597	4419	3669
70°	5292	3882	3165
75°	4868	3274	2635
80°	4288	2574	2214
85°	3605	2110	1971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	4.0
10°-20°	312.3	11.1
20°-30°	452.8	16.1
30°-40°	515.9	18.4
40°-50°	502.8	17.9
50°-60°	423.1	15.1
60°-70°	296.5	10.6
70°-80°	152.0	5.4
80°-90°	37.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	876.8	31.3
0°-40°	1392.6	49.6
0°-60°	2318.5	82.7
0°-90°	2805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1186	1182	1172	1181	1179	112
15°	1127	1122	1103	1102	1094	318
25°	1022	1009	976	964	954	470
35°	881	859	819	793	780	551
45°	721	695	646	610	596	556
55°	547	518	468	428	414	489
65°	370	340	292	256	243	367
75°	197	170	133	113	107	209
85°	49	33	29	28	27	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.3	1187.3	1187.3	1187.3	1187.3
2.5°	1190.0	1187.3	1178.3	1187.3	1186.3
5°	1185.5	1182.0	1172.0	1180.8	1179.0
7.5°	1176.5	1172.8	1161.2	1168.3	1166.7
10°	1163.0	1160.4	1147.7	1150.5	1147.7
12.5°	1147.7	1144.1	1126.1	1127.9	1123.6
15°	1127.3	1121.8	1102.8	1102.0	1094.0
17.5°	1105.6	1097.6	1075.0	1070.7	1064.4
20°	1079.5	1070.7	1041.9	1037.4	1029.4
22.5°	1050.9	1041.9	1011.6	1001.7	995.2
25°	1022.1	1008.7	975.6	963.9	954.1
27.5°	990.0	973.7	938.8	923.7	913.8
30°	954.1	937.1	899.4	878.9	870.8
32.5°	919.0	898.5	860.0	836.7	826.0
35°	880.6	859.1	818.7	792.8	780.1
37.5°	843.8	817.7	776.5	746.2	733.4
40°	804.4	777.5	734.4	700.3	689.6
42.5°	763.0	735.2	690.3	658.2	641.1
45°	720.9	695.1	645.5	609.8	596.3
47.5°	676.8	650.2	600.6	564.0	548.7
50°	635.7	606.1	555.1	517.5	504.0
52.5°	590.8	560.5	512.8	471.6	458.1
55°	547.1	518.3	468.2	427.8	413.5
57.5°	502.2	471.6	423.3	383.7	371.3
60°	459.1	427.8	379.2	339.8	326.3
62.5°	413.5	383.7	334.5	298.6	285.1
65°	370.4	339.8	292.4	256.3	242.8
67.5°	327.2	296.9	251.0	217.1	206.4
70°	283.4	252.8	207.9	180.1	169.5
72.5°	240.4	210.7	169.5	144.4	138.2
75°	197.3	170.3	132.7	113.1	106.8
77.5°	153.2	131.7	100.3	85.3	79.8
80°	116.6	95.1	70.0	61.9	60.2
82.5°	80.7	61.9	46.7	43.7	43.1
85°	49.2	33.1	28.8	27.8	26.9
87.5°	20.8	14.3	13.5	13.5	12.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)