

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: P888559

Luminaire Tested: **DPT5-6FO55-85V60-F-XX-UDD_2700K**

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: P888559
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-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

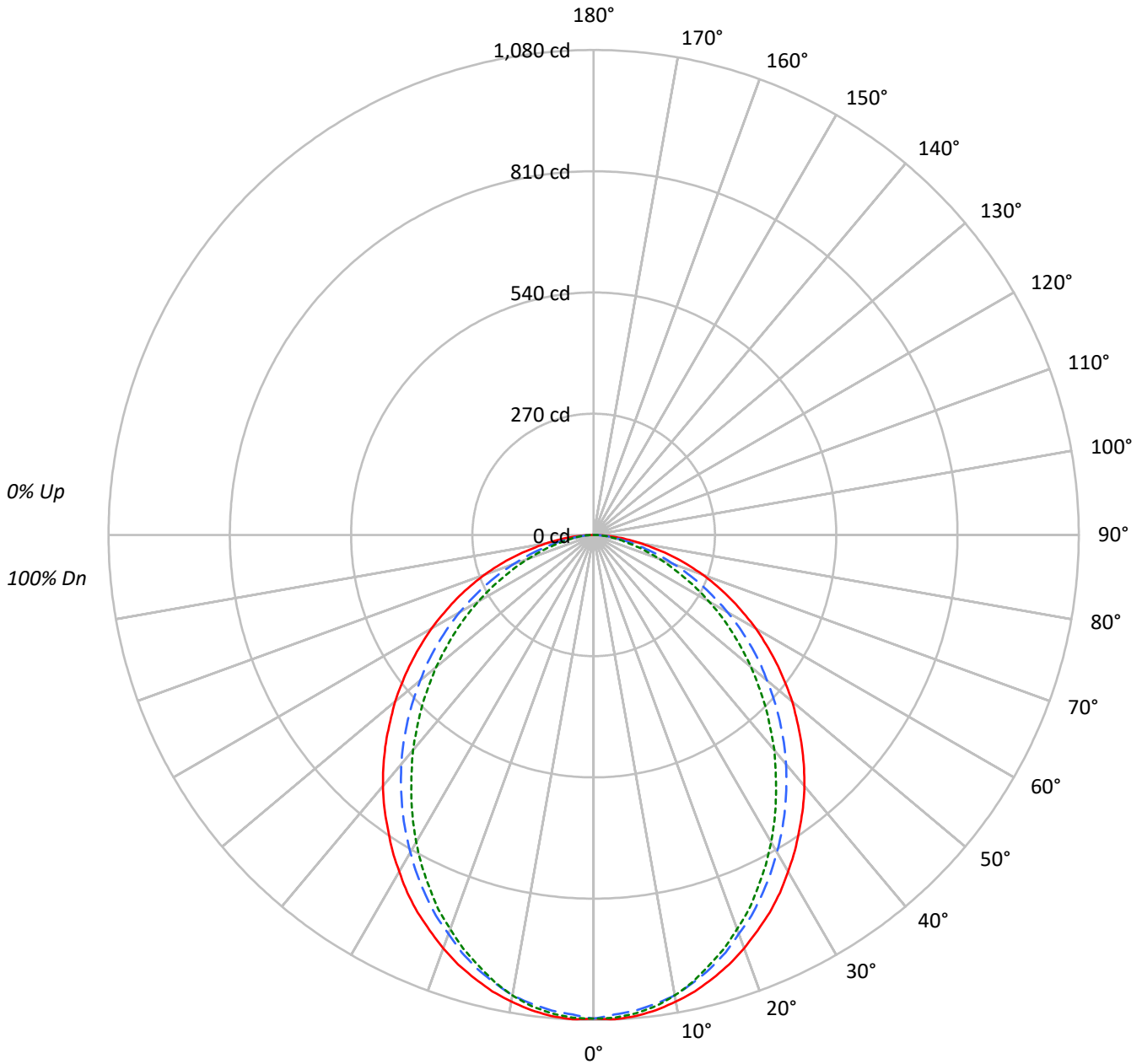
Lumens per Lamp: N/A
Luminaire Lumens: 2545.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	6879	6879	6879
5°	6895	6817	6858
10°	6843	6753	6753
15°	6762	6616	6563
20°	6657	6424	6348
25°	6535	6237	6100
30°	6384	6017	5826
35°	6229	5791	5518
40°	6084	5555	5216
45°	5908	5290	4886
50°	5731	5003	4543
55°	5527	4730	4178
60°	5320	4395	3782
65°	5079	4009	3329
70°	4803	3522	2872
75°	4417	2971	2391
80°	3891	2335	2008
85°	3275	1912	1788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	4.0
10°-20°	283.3	11.1
20°-30°	410.8	16.1
30°-40°	468.0	18.4
40°-50°	456.2	17.9
50°-60°	383.9	15.1
60°-70°	269.0	10.6
70°-80°	137.9	5.4
80°-90°	34.4	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°	795.5	31.3
0°-40°	1263.5	49.6
0°-60°	2103.7	82.7
0°-90°	2545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1076	1072	1063	1071	1070	102
15°	1023	1018	1001	1000	993	288
25°	927	915	885	875	866	427
35°	799	780	743	719	708	500
45°	654	631	586	553	541	504
55°	496	470	425	388	375	444
65°	336	308	265	233	220	333
75°	179	154	120	103	97	189
85°	45	30	26	25	24	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1077.2	1077.2	1077.2	1077.2	1077.2
2.5°	1079.7	1077.2	1069.1	1077.2	1076.3
5°	1075.6	1072.4	1063.4	1071.4	1069.7
7.5°	1067.4	1064.1	1053.6	1060.0	1058.5
10°	1055.2	1052.8	1041.3	1043.9	1041.3
12.5°	1041.3	1038.0	1021.7	1023.4	1019.4
15°	1022.8	1017.8	1000.6	999.8	992.6
17.5°	1003.1	995.9	975.4	971.5	965.7
20°	979.5	971.5	945.3	941.3	934.0
22.5°	953.5	945.3	917.9	908.8	902.9
25°	927.4	915.2	885.1	874.6	865.7
27.5°	898.3	883.5	851.8	838.0	829.1
30°	865.7	850.3	816.0	797.4	790.1
32.5°	833.8	815.3	780.2	759.1	749.5
35°	799.0	779.5	742.8	719.3	707.8
37.5°	765.6	741.9	704.5	677.0	665.4
40°	729.8	705.4	666.3	635.4	625.7
42.5°	692.3	667.1	626.3	597.2	581.6
45°	654.1	630.7	585.7	553.3	541.0
47.5°	614.1	589.9	545.0	511.8	497.9
50°	576.8	549.9	503.6	469.5	457.3
52.5°	536.1	508.6	465.3	427.9	415.6
55°	496.4	470.3	424.8	388.2	375.2
57.5°	455.6	427.9	384.1	348.2	336.8
60°	416.5	388.2	344.1	308.3	296.1
62.5°	375.2	348.2	303.5	270.9	258.7
65°	336.1	308.3	265.3	232.6	220.3
67.5°	296.9	269.4	227.7	196.9	187.3
70°	257.2	229.4	188.6	163.4	153.8
72.5°	218.1	191.2	153.8	131.0	125.4
75°	179.0	154.5	120.4	102.6	96.9
77.5°	139.0	119.5	91.0	77.4	72.4
80°	105.8	86.3	63.5	56.1	54.6
82.5°	73.2	56.1	42.4	39.7	39.1
85°	44.7	30.0	26.1	25.2	24.4
87.5°	18.9	13.0	12.2	12.2	11.3
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)