

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: P888288

Luminaire Tested: **DPT5-6FO55-85V60-A-XX-UDD_4500K**

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: P888288
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_4500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

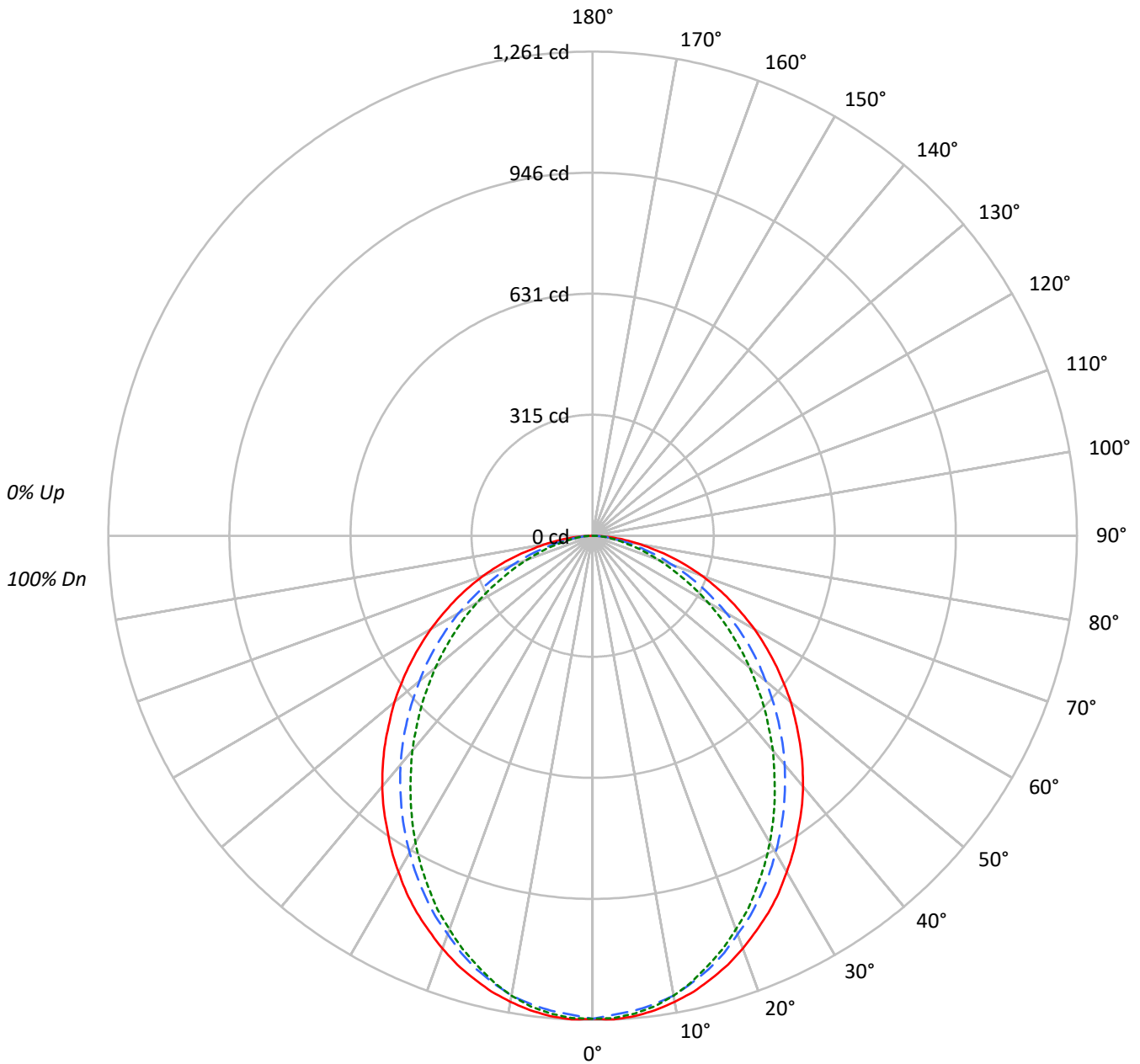
Lumens per Lamp: N/A
Luminaire Lumens: 2972.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	8034	8034	8034
5°	8052	7961	8008
10°	7991	7886	7886
15°	7897	7726	7663
20°	7773	7503	7413
25°	7631	7283	7123
30°	7455	7027	6804
35°	7274	6762	6444
40°	7105	6487	6092
45°	6898	6178	5706
50°	6692	5843	5305
55°	6453	5524	4878
60°	6213	5132	4417
65°	5931	4681	3888
70°	5607	4114	3354
75°	5157	3469	2791
80°	4542	2729	2346
85°	3825	2235	2096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	4.0
10°-20°	330.8	11.1
20°-30°	479.7	16.1
30°-40°	546.6	18.4
40°-50°	532.7	17.9
50°-60°	448.3	15.1
60°-70°	314.2	10.6
70°-80°	161.1	5.4
80°-90°	40.2	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°	929.0	31.3
0°-40°	1475.5	49.6
0°-60°	2456.6	82.7
0°-90°	2972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1256	1252	1242	1251	1249	119
15°	1194	1188	1168	1168	1159	337
25°	1083	1069	1034	1021	1011	498
35°	933	910	867	840	827	584
45°	764	736	684	646	632	589
55°	580	549	496	453	438	518
65°	392	360	310	272	257	389
75°	209	180	141	120	113	221
85°	52	35	30	29	29	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1258.0	1258.0	1258.0	1258.0	1258.0
2.5°	1260.8	1258.0	1248.5	1258.0	1256.9
5°	1256.0	1252.3	1241.8	1251.1	1249.2
7.5°	1246.5	1242.7	1230.3	1237.9	1236.1
10°	1232.3	1229.4	1216.0	1219.0	1216.0
12.5°	1216.0	1212.2	1193.1	1195.1	1190.5
15°	1194.4	1188.5	1168.5	1167.6	1159.1
17.5°	1171.5	1163.0	1139.0	1134.4	1127.7
20°	1143.8	1134.4	1104.0	1099.2	1090.7
22.5°	1113.5	1104.0	1071.9	1061.3	1054.4
25°	1083.0	1068.7	1033.6	1021.3	1010.9
27.5°	1049.0	1031.7	994.7	978.7	968.3
30°	1010.9	992.9	952.9	931.2	922.6
32.5°	973.7	952.0	911.2	886.5	875.2
35°	933.0	910.3	867.4	840.0	826.6
37.5°	894.1	866.4	822.7	790.6	777.0
40°	852.3	823.7	778.1	742.0	730.7
42.5°	808.4	779.0	731.4	697.4	679.2
45°	763.8	736.5	684.0	646.1	631.8
47.5°	717.1	688.9	636.4	597.6	581.4
50°	673.6	642.2	588.1	548.3	534.0
52.5°	626.0	593.9	543.3	499.6	485.4
55°	579.6	549.2	496.1	453.3	438.1
57.5°	532.1	499.6	448.5	406.6	393.4
60°	486.4	453.3	401.8	360.1	345.8
62.5°	438.1	406.6	354.4	316.3	302.1
65°	392.5	360.1	309.8	271.6	257.3
67.5°	346.7	314.6	265.9	230.0	218.7
70°	300.3	267.9	220.3	190.9	179.6
72.5°	254.7	223.3	179.6	153.0	146.5
75°	209.0	180.5	140.6	119.8	113.1
77.5°	162.3	139.6	106.3	90.4	84.6
80°	123.5	100.8	74.2	65.6	63.8
82.5°	85.5	65.6	49.5	46.4	45.6
85°	52.2	35.1	30.5	29.4	28.6
87.5°	22.0	15.2	14.3	14.3	13.2
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)