

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: P888197

Luminaire Tested: **DPT5-6FO44-127V60-A-XX-UDD_3000K**

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: P888197
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: DPT5-6FO44-127V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

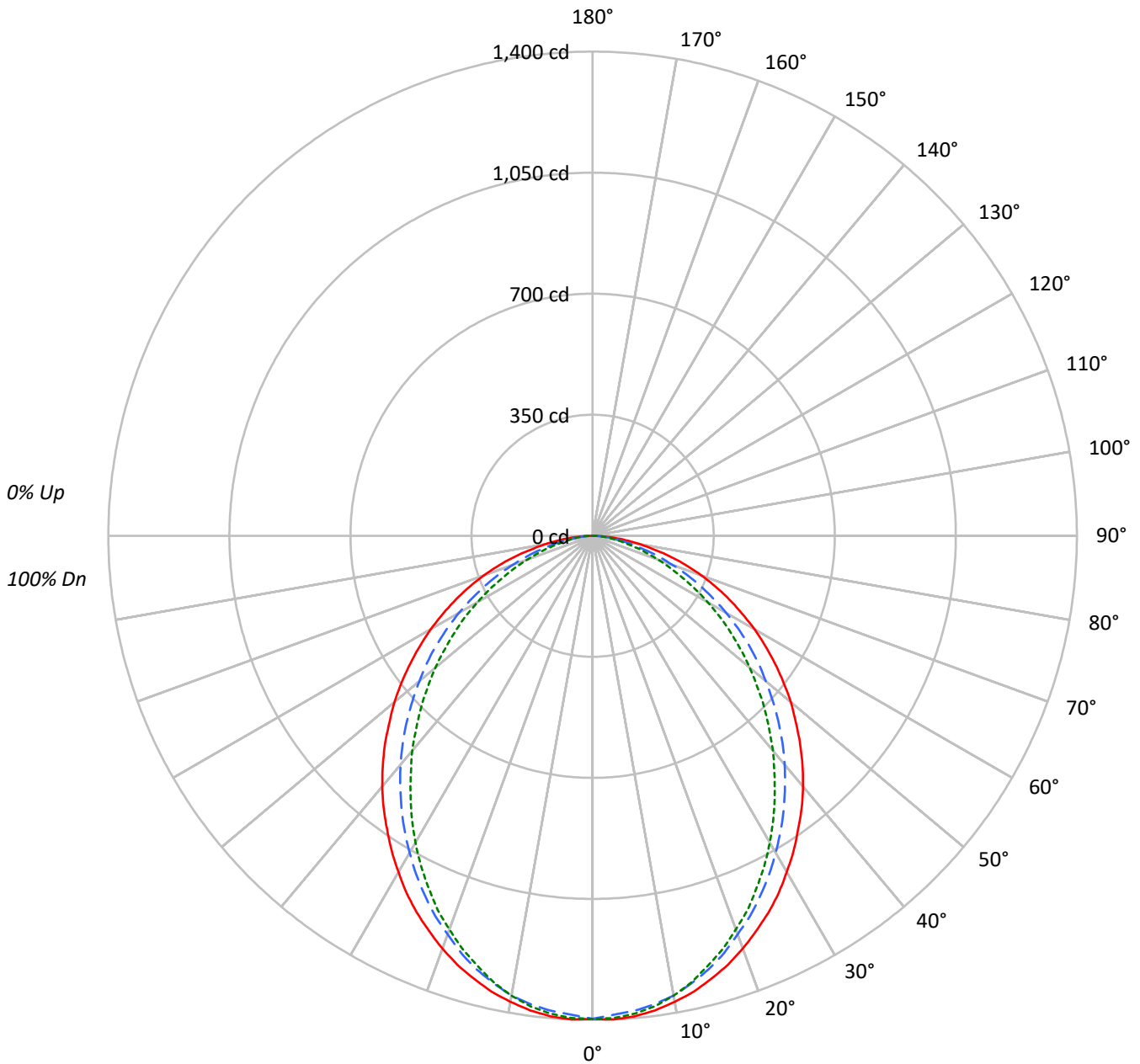
Lumens per Lamp: N/A
Luminaire Lumens: 3300.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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°	10798	10798	10798
5°	10823	10700	10764
10°	10741	10599	10599
15°	10614	10384	10301
20°	10448	10085	9964
25°	10257	9790	9575
30°	10020	9445	9145
35°	9777	9090	8662
40°	9550	8719	8188
45°	9272	8304	7669
50°	8995	7854	7131
55°	8675	7425	6557
60°	8351	6899	5936
65°	7972	6293	5226
70°	7538	5529	4507
75°	6933	4666	3752
80°	6108	3668	3152
85°	5136	3007	2812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	4.0
10°-20°	367.4	11.1
20°-30°	532.7	16.1
30°-40°	606.9	18.4
40°-50°	591.5	17.9
50°-60°	497.8	15.1
60°-70°	348.8	10.6
70°-80°	178.9	5.4
80°-90°	44.6	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°	1031.5	31.3
0°-40°	1638.4	49.6
0°-60°	2727.7	82.7
0°-90°	3300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1395	1391	1379	1389	1387	132
15°	1326	1320	1297	1296	1287	374
25°	1202	1187	1148	1134	1122	553
35°	1036	1011	963	933	918	649
45°	848	818	760	717	702	654
55°	644	610	551	503	486	575
65°	436	400	344	302	286	431
75°	232	200	156	133	126	245
85°	58	39	34	33	32	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.8	1396.8	1396.8	1396.8	1396.8
2.5°	1400.0	1396.8	1386.3	1396.8	1395.6
5°	1394.7	1390.6	1378.8	1389.2	1387.0
7.5°	1384.1	1379.8	1366.1	1374.5	1372.6
10°	1368.3	1365.1	1350.2	1353.6	1350.2
12.5°	1350.2	1345.9	1324.8	1327.0	1321.9
15°	1326.2	1319.7	1297.4	1296.4	1287.0
17.5°	1300.7	1291.3	1264.7	1259.6	1252.2
20°	1270.0	1259.6	1225.8	1220.5	1211.1
22.5°	1236.4	1225.8	1190.2	1178.4	1170.8
25°	1202.5	1186.7	1147.7	1134.0	1122.5
27.5°	1164.7	1145.6	1104.5	1086.7	1075.1
30°	1122.5	1102.5	1058.1	1034.0	1024.4
32.5°	1081.2	1057.1	1011.7	984.3	971.8
35°	1036.0	1010.7	963.2	932.7	917.8
37.5°	992.7	962.0	913.5	877.9	862.8
40°	946.3	914.6	864.0	823.8	811.3
42.5°	897.6	864.9	812.1	774.3	754.2
45°	848.1	817.8	759.5	717.4	701.5
47.5°	796.3	764.9	706.6	663.6	645.6
50°	747.9	713.1	653.0	608.8	592.9
52.5°	695.1	659.5	603.3	554.8	538.9
55°	643.6	609.8	550.9	503.3	486.5
57.5°	590.8	554.8	498.0	451.5	436.8
60°	540.1	503.3	446.2	399.8	383.9
62.5°	486.5	451.5	393.5	351.3	335.4
65°	435.8	399.8	344.0	301.6	285.7
67.5°	384.9	349.3	295.3	255.4	242.8
70°	333.5	297.4	244.6	211.9	199.4
72.5°	282.8	247.9	199.4	169.9	162.6
75°	232.1	200.4	156.2	133.1	125.6
77.5°	180.2	155.0	118.0	100.4	93.9
80°	137.2	111.9	82.4	72.8	70.8
82.5°	94.9	72.8	55.0	51.5	50.7
85°	57.9	38.9	33.9	32.7	31.7
87.5°	24.5	16.8	15.9	15.9	14.7
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)