

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: P888472

Luminaire Tested: **DPT5-6FO44-127V60-F-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: P888472
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-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

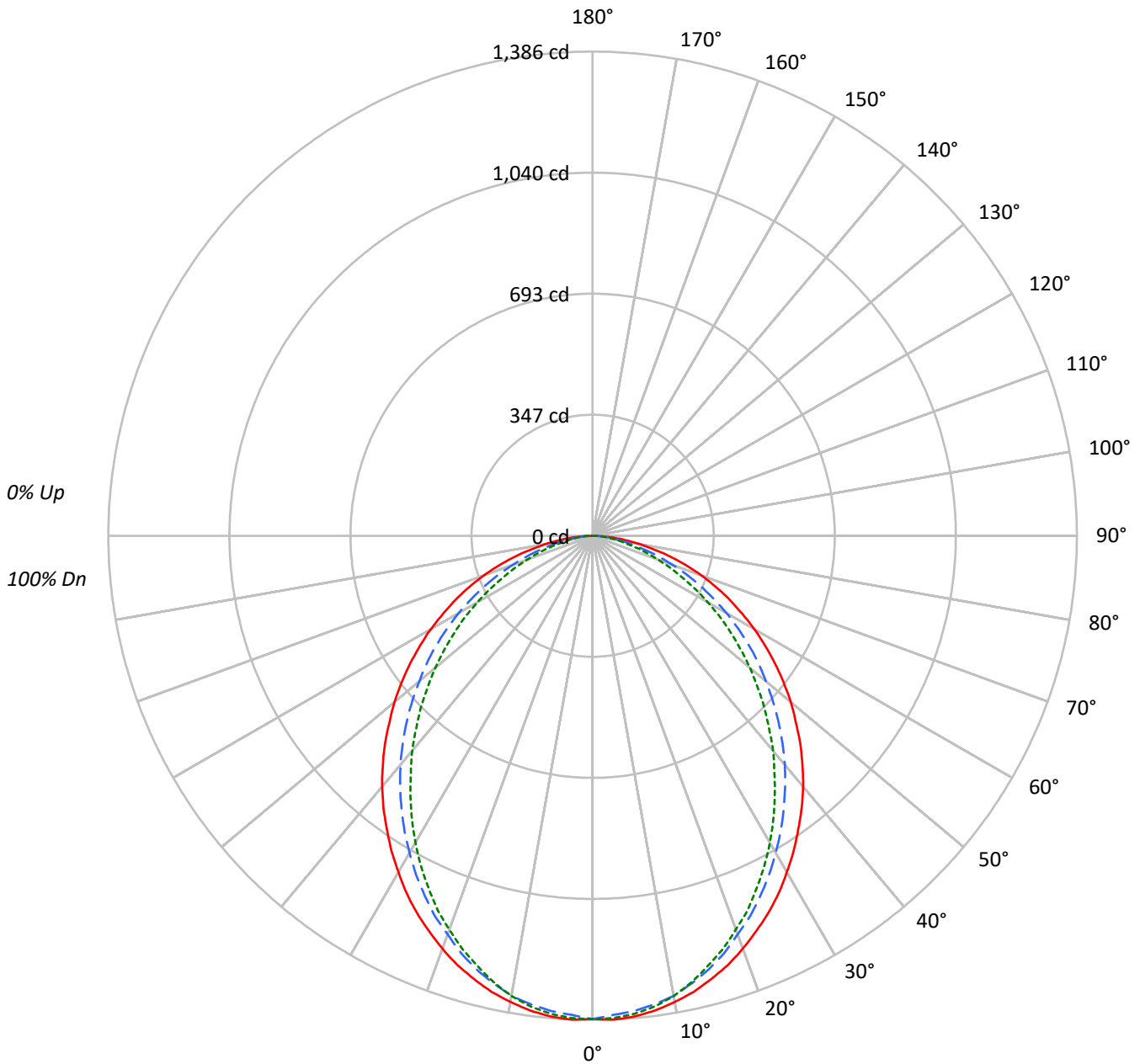
Lumens per Lamp: N/A
Luminaire Lumens: 3268.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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°	10694	10694	10694
5°	10718	10596	10660
10°	10637	10497	10497
15°	10511	10283	10201
20°	10347	9987	9867
25°	10158	9695	9482
30°	9923	9353	9056
35°	9682	9002	8578
40°	9458	8635	8109
45°	9183	8223	7595
50°	8908	7778	7062
55°	8591	7352	6494
60°	8270	6831	5878
65°	7895	6232	5175
70°	7464	5475	4464
75°	6864	4618	3716
80°	6046	3633	3125
85°	5091	2971	2785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	4.0
10°-20°	363.8	11.1
20°-30°	527.5	16.1
30°-40°	601.0	18.4
40°-50°	585.8	17.9
50°-60°	493.0	15.1
60°-70°	345.5	10.6
70°-80°	177.1	5.4
80°-90°	44.2	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°	1021.5	31.3
0°-40°	1622.5	49.6
0°-60°	2701.3	82.7
0°-90°	3268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1383	1383	1383	1383	1383	
5°	1381	1377	1365	1376	1374	131
15°	1313	1307	1285	1284	1275	370
25°	1191	1175	1137	1123	1112	548
35°	1026	1001	954	924	909	642
45°	840	810	752	710	695	648
55°	637	604	546	498	482	570
65°	432	396	341	299	283	427
75°	230	198	155	132	124	243
85°	57	39	34	32	31	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1383.3	1383.3	1383.3	1383.3	1383.3
2.5°	1386.4	1383.3	1372.8	1383.3	1382.1
5°	1381.1	1377.1	1365.4	1375.7	1373.6
7.5°	1370.7	1366.4	1352.9	1361.2	1359.2
10°	1355.0	1351.9	1337.2	1340.5	1337.2
12.5°	1337.2	1332.9	1312.0	1314.1	1309.1
15°	1313.3	1306.9	1284.8	1283.9	1274.6
17.5°	1288.1	1278.8	1252.5	1247.4	1240.1
20°	1257.7	1247.4	1213.9	1208.7	1199.4
22.5°	1224.4	1213.9	1178.6	1167.0	1159.5
25°	1190.8	1175.1	1136.6	1123.0	1111.6
27.5°	1153.4	1134.5	1093.8	1076.1	1064.7
30°	1111.6	1091.8	1047.8	1024.0	1014.5
32.5°	1070.7	1046.9	1001.9	974.8	962.4
35°	1025.9	1000.9	953.8	923.6	908.9
37.5°	983.1	952.7	904.6	869.3	854.4
40°	937.2	905.8	855.6	815.9	803.5
42.5°	888.9	856.6	804.2	766.8	746.9
45°	839.9	809.9	752.1	710.4	694.7
47.5°	788.5	757.5	699.8	657.1	639.3
50°	740.7	706.2	646.7	602.9	587.2
52.5°	688.3	653.1	597.5	549.4	533.7
55°	637.4	603.9	545.5	498.4	481.8
57.5°	585.1	549.4	493.2	447.1	432.5
60°	534.9	498.4	441.8	395.9	380.2
62.5°	481.8	447.1	389.7	347.9	332.2
65°	431.6	395.9	340.7	298.6	282.9
67.5°	381.2	345.9	292.4	252.9	240.5
70°	330.2	294.6	242.2	209.9	197.5
72.5°	280.0	245.5	197.5	168.2	161.0
75°	229.8	198.4	154.6	131.8	124.4
77.5°	178.5	153.5	116.9	99.4	93.0
80°	135.8	110.8	81.6	72.1	70.2
82.5°	94.0	72.1	54.5	51.0	50.2
85°	57.4	38.6	33.5	32.4	31.4
87.5°	24.2	16.7	15.7	15.7	14.5
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)