

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: P888527

Luminaire Tested: **DPT5-6FO55-127V60-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: P888527
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: DPT5-6FO55-127V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

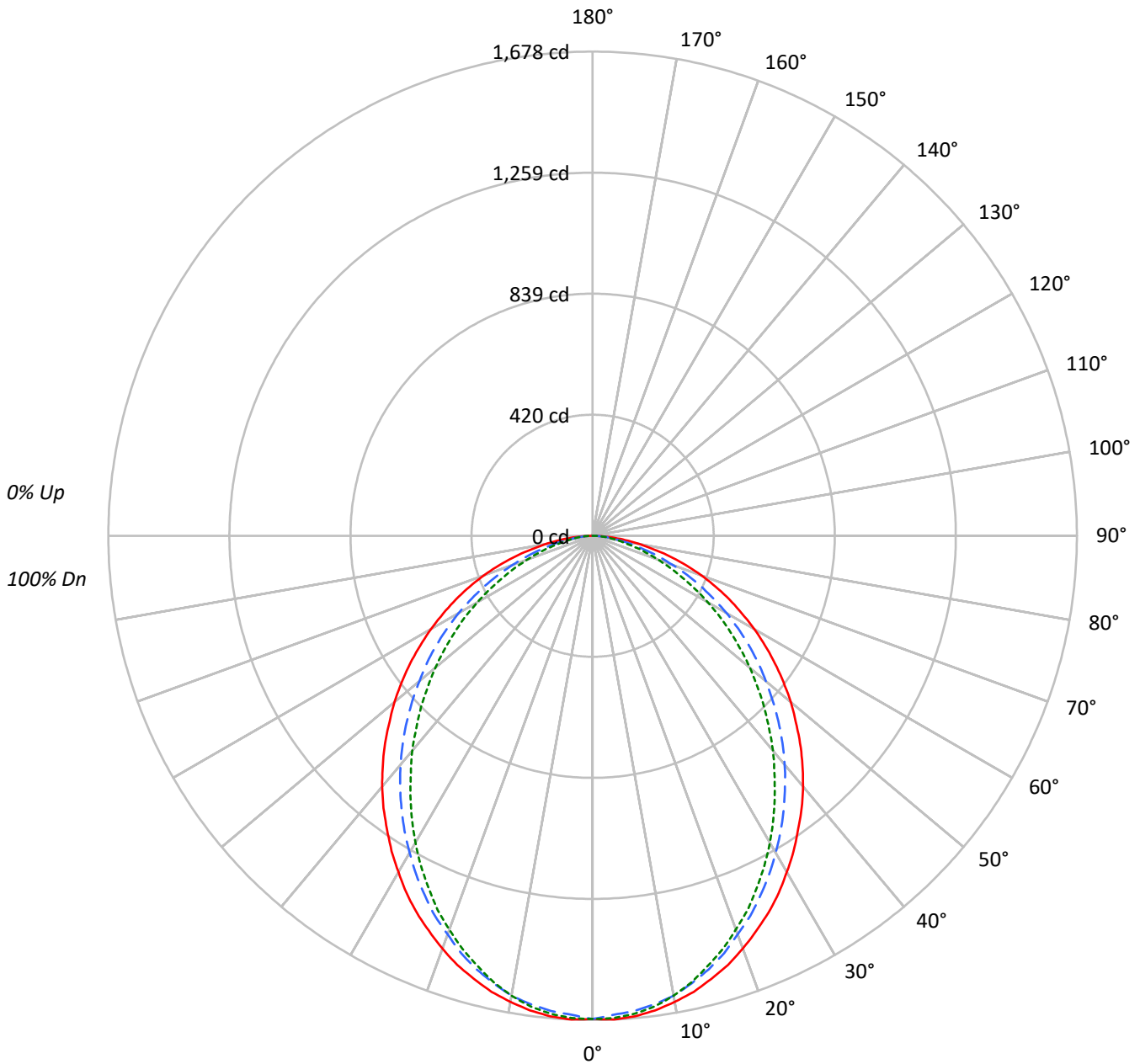
Lumens per Lamp: N/A
Luminaire Lumens: 3956.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 45
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°	10636	10497	10497
15°	10511	10283	10201
20°	10347	9987	9867
25°	10158	9695	9482
30°	9923	9354	9056
35°	9682	9002	8577
40°	9458	8634	8108
45°	9182	8222	7596
50°	8908	7777	7062
55°	8591	7353	6493
60°	8270	6832	5879
65°	7894	6232	5176
70°	7463	5475	4463
75°	6865	4619	3716
80°	6046	3634	3122
85°	5085	2975	2784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	4.0
10°-20°	440.4	11.1
20°-30°	638.6	16.1
30°-40°	727.5	18.4
40°-50°	709.1	17.9
50°-60°	596.8	15.1
60°-70°	418.2	10.6
70°-80°	214.4	5.4
80°-90°	53.5	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°	1236.5	31.3
0°-40°	1964.1	49.6
0°-60°	3269.9	82.7
0°-90°	3956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1674	1674	1674	1674	1674	
5°	1672	1667	1653	1665	1663	159
15°	1590	1582	1555	1554	1543	448
25°	1442	1422	1376	1359	1346	663
35°	1242	1212	1155	1118	1100	778
45°	1017	980	910	860	841	784
55°	772	731	660	603	583	690
65°	522	479	412	362	342	517
75°	278	240	187	160	151	294
85°	69	47	41	39	38	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1674.5	1674.5	1674.5	1674.5	1674.5
2.5°	1678.2	1674.5	1661.8	1674.5	1673.1
5°	1671.9	1667.0	1652.9	1665.3	1662.8
7.5°	1659.2	1654.1	1637.7	1647.8	1645.4
10°	1640.2	1636.5	1618.7	1622.7	1618.7
12.5°	1618.7	1613.5	1588.2	1590.7	1584.6
15°	1589.8	1582.1	1555.3	1554.2	1542.9
17.5°	1559.3	1548.1	1516.1	1510.0	1501.1
20°	1522.5	1510.0	1469.5	1463.1	1451.9
22.5°	1482.1	1469.5	1426.8	1412.7	1403.5
25°	1441.5	1422.5	1375.9	1359.4	1345.6
27.5°	1396.3	1373.3	1324.0	1302.7	1288.8
30°	1345.6	1321.7	1268.4	1239.6	1228.1
32.5°	1296.1	1267.2	1212.8	1180.0	1165.0
35°	1241.9	1211.7	1154.6	1118.1	1100.2
37.5°	1190.1	1153.2	1095.1	1052.4	1034.3
40°	1134.5	1096.5	1035.7	987.6	972.6
42.5°	1076.1	1036.9	973.5	928.3	904.1
45°	1016.7	980.3	910.4	860.0	841.0
47.5°	954.5	917.0	847.1	795.5	773.9
50°	896.6	854.8	782.8	729.8	710.8
52.5°	833.3	790.6	723.2	665.1	646.1
55°	771.6	731.0	660.4	603.4	583.2
57.5°	708.2	665.1	597.0	541.2	523.6
60°	647.5	603.4	534.9	479.3	460.3
62.5°	583.2	541.2	471.8	421.1	402.1
65°	522.4	479.3	412.4	361.5	342.5
67.5°	461.4	418.7	354.0	306.1	291.1
70°	399.7	356.6	293.2	254.1	239.0
72.5°	339.0	297.2	239.0	203.6	194.9
75°	278.2	240.2	187.2	159.5	150.6
77.5°	216.1	185.8	141.5	120.3	112.6
80°	164.4	134.2	98.8	87.3	84.9
82.5°	113.8	87.3	65.9	61.7	60.8
85°	69.4	46.7	40.6	39.2	38.0
87.5°	29.3	20.2	19.0	19.0	17.6
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)