

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: P888532

Luminaire Tested: **DPT5-6FO55-127V60-F-XX-UDD_6500K**

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: P888532
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_6500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

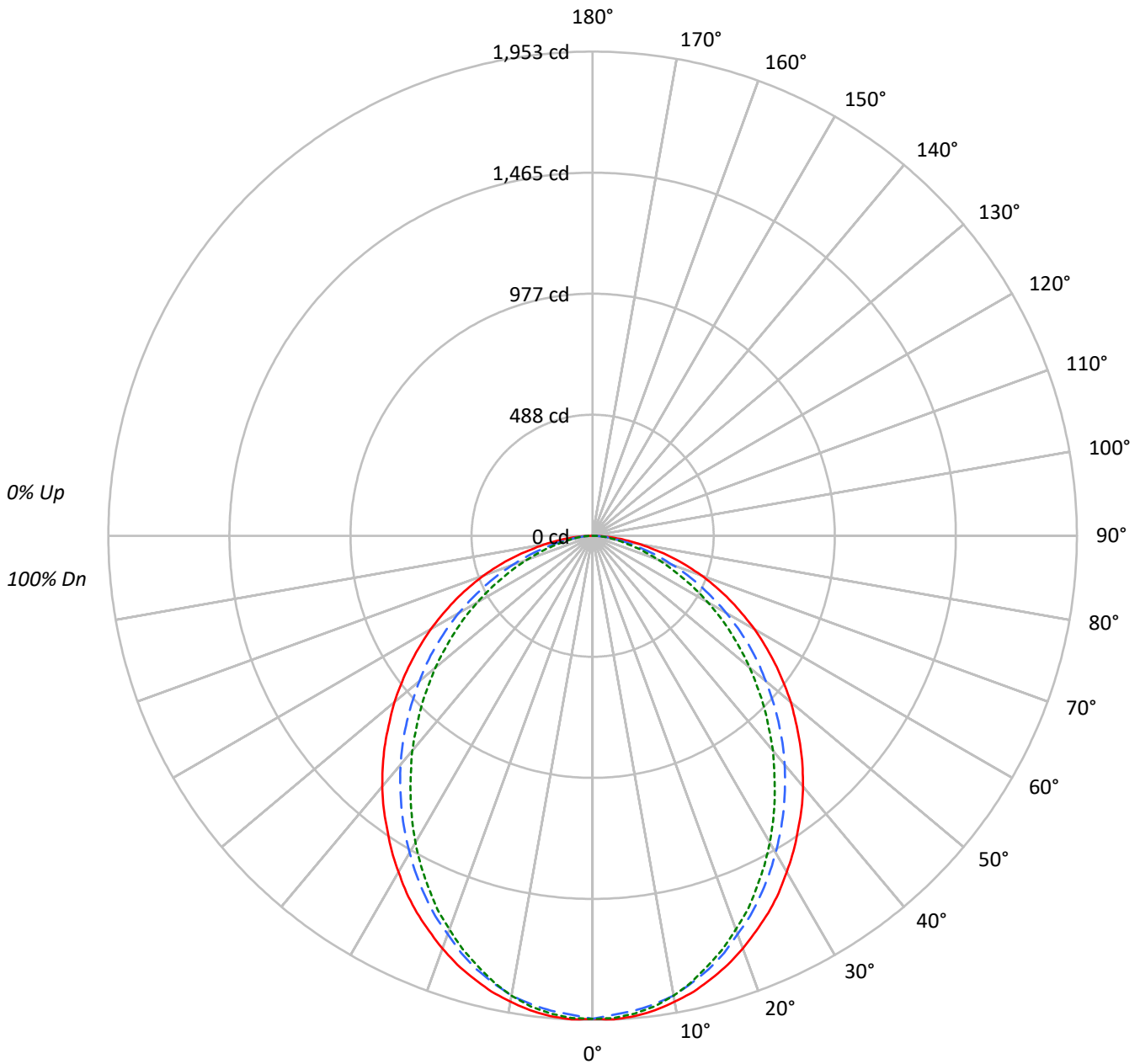
Lumens per Lamp: N/A
Luminaire Lumens: 4603.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	12443	12443	12443
5°	12471	12329	12403
10°	12376	12214	12214
15°	12230	11965	11869
20°	12039	11620	11481
25°	11819	11281	11033
30°	11546	10884	10537
35°	11266	10474	9981
40°	11004	10047	9435
45°	10684	9567	8837
50°	10365	9050	8218
55°	9996	8556	7556
60°	9623	7948	6840
65°	9186	7252	6022
70°	8684	6371	5193
75°	7987	5374	4323
80°	7035	4226	3634
85°	5921	3459	3239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	4.0
10°-20°	512.4	11.1
20°-30°	743.0	16.1
30°-40°	846.5	18.4
40°-50°	825.1	17.9
50°-60°	694.4	15.1
60°-70°	486.6	10.6
70°-80°	249.5	5.4
80°-90°	62.2	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°	1438.8	31.3
0°-40°	2285.3	49.6
0°-60°	3804.7	82.7
0°-90°	4603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1948	1948	1948	1948	1948	
5°	1945	1940	1923	1938	1935	184
15°	1850	1841	1810	1808	1795	522
25°	1677	1655	1601	1582	1566	772
35°	1445	1410	1344	1301	1280	905
45°	1183	1141	1059	1001	978	912
55°	898	850	768	702	679	803
65°	608	558	480	421	398	602
75°	324	280	218	186	175	342
85°	81	54	47	46	44	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1948.4	1948.4	1948.4	1948.4	1948.4
2.5°	1952.7	1948.4	1933.6	1948.4	1946.7
5°	1945.4	1939.6	1923.2	1937.7	1934.7
7.5°	1930.6	1924.6	1905.5	1917.2	1914.5
10°	1908.5	1904.1	1883.4	1888.0	1883.4
12.5°	1883.4	1877.4	1847.9	1850.9	1843.8
15°	1849.8	1840.8	1809.7	1808.3	1795.2
17.5°	1814.3	1801.2	1764.1	1757.0	1746.6
20°	1771.5	1757.0	1709.8	1702.4	1689.3
22.5°	1724.5	1709.8	1660.1	1643.7	1633.1
25°	1677.3	1655.2	1600.9	1581.8	1565.7
27.5°	1624.6	1597.9	1540.6	1515.7	1499.6
30°	1565.7	1537.8	1475.9	1442.3	1428.9
32.5°	1508.1	1474.5	1411.2	1373.0	1355.5
35°	1445.0	1409.8	1343.5	1300.9	1280.2
37.5°	1384.7	1341.8	1274.2	1224.5	1203.5
40°	1320.0	1275.8	1205.1	1149.1	1131.7
42.5°	1252.0	1206.5	1132.8	1080.1	1052.0
45°	1183.0	1140.7	1059.3	1000.7	978.5
47.5°	1110.7	1067.0	985.6	925.6	900.5
50°	1043.2	994.7	910.9	849.2	827.1
52.5°	969.5	919.9	841.5	773.8	751.7
55°	897.8	850.5	768.4	702.0	678.6
57.5°	824.1	773.8	694.7	629.7	609.2
60°	753.4	702.0	622.3	557.6	535.5
62.5°	678.6	629.7	548.9	490.0	467.8
65°	607.9	557.6	479.9	420.6	398.5
67.5°	536.9	487.2	411.9	356.2	338.7
70°	465.1	414.9	341.2	295.6	278.1
72.5°	394.4	345.8	278.1	236.9	226.8
75°	323.7	279.5	217.8	185.6	175.2
77.5°	251.4	216.2	164.6	140.0	131.0
80°	191.3	156.1	114.9	101.5	98.8
82.5°	132.4	101.5	76.7	71.8	70.7
85°	80.8	54.3	47.2	45.6	44.2
87.5°	34.1	23.5	22.1	22.1	20.5
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)