

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: P888565

Luminaire Tested: **DPT5-6FO55-85V60-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: P888565
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-F-XX-UDD_6500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

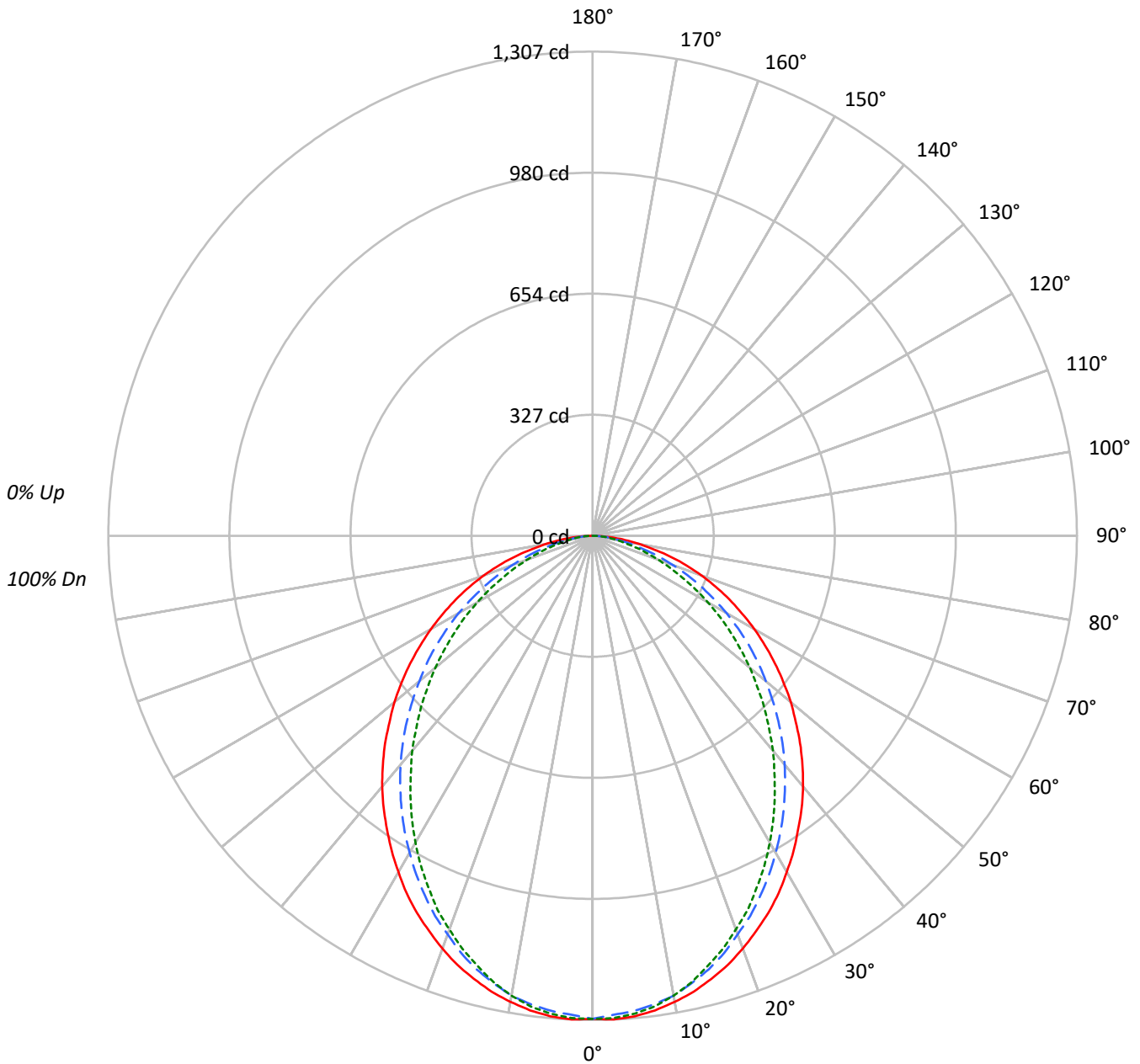
Lumens per Lamp: N/A
Luminaire Lumens: 3081.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P888565

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_6500K

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°	8328	8328	8328
5°	8347	8252	8302
10°	8284	8175	8175
15°	8186	8009	7944
20°	8058	7778	7684
25°	7911	7550	7385
30°	7728	7285	7053
35°	7541	7011	6681
40°	7366	6724	6315
45°	7151	6404	5916
50°	6938	6058	5500
55°	6691	5726	5057
60°	6441	5321	4579
65°	6149	4854	4030
70°	5813	4265	3477
75°	5347	3598	2894
80°	4711	2828	2431
85°	3964	2315	2169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	4.0
10°-20°	343.0	11.1
20°-30°	497.3	16.1
30°-40°	566.6	18.4
40°-50°	552.2	17.9
50°-60°	464.8	15.1
60°-70°	325.7	10.6
70°-80°	167.0	5.4
80°-90°	41.7	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°	963.0	31.3
0°-40°	1529.7	49.6
0°-60°	2546.7	82.7
0°-90°	3081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3081.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1304	1304	1304	1304	1304	
5°	1302	1298	1287	1297	1295	123
15°	1238	1232	1211	1210	1202	349
25°	1123	1108	1072	1059	1048	517
35°	967	944	899	871	857	606
45°	792	764	709	670	655	611
55°	601	569	514	470	454	537
65°	407	373	321	282	267	403
75°	217	187	146	124	117	229
85°	54	36	32	30	30	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1304.1	1304.1	1304.1	1304.1	1304.1
2.5°	1307.0	1304.1	1294.3	1304.1	1303.0
5°	1302.1	1298.3	1287.3	1297.0	1295.0
7.5°	1292.2	1288.2	1275.4	1283.3	1281.5
10°	1277.5	1274.5	1260.6	1263.7	1260.6
12.5°	1260.6	1256.6	1236.9	1238.9	1234.2
15°	1238.2	1232.1	1211.3	1210.4	1201.6
17.5°	1214.4	1205.6	1180.8	1176.1	1169.1
20°	1185.7	1176.1	1144.4	1139.5	1130.7
22.5°	1154.3	1144.4	1111.2	1100.2	1093.1
25°	1122.7	1107.9	1071.5	1058.8	1048.0
27.5°	1087.4	1069.5	1031.2	1014.5	1003.8
30°	1048.0	1029.3	987.9	965.4	956.4
32.5°	1009.4	987.0	944.6	919.0	907.3
35°	967.2	943.7	899.3	870.8	856.9
37.5°	926.8	898.2	852.9	819.6	805.5
40°	883.5	853.9	806.6	769.2	757.5
42.5°	838.1	807.5	758.2	723.0	704.1
45°	791.8	763.5	709.1	669.8	655.0
47.5°	743.4	714.2	659.7	619.5	602.7
50°	698.3	665.8	609.7	568.4	553.6
52.5°	649.0	615.7	563.3	518.0	503.2
55°	600.9	569.3	514.3	469.9	454.2
57.5°	551.6	518.0	465.0	421.5	407.8
60°	504.3	469.9	416.6	373.3	358.5
62.5°	454.2	421.5	367.4	327.9	313.2
65°	406.9	373.3	321.2	281.5	266.7
67.5°	359.4	326.1	275.7	238.4	226.7
70°	311.3	277.7	228.4	197.9	186.2
72.5°	264.0	231.5	186.2	158.6	151.8
75°	216.7	187.1	145.8	124.2	117.3
77.5°	168.3	144.7	110.2	93.7	87.7
80°	128.1	104.5	76.9	68.0	66.1
82.5°	88.6	68.0	51.3	48.1	47.3
85°	54.1	36.4	31.6	30.5	29.6
87.5°	22.8	15.7	14.8	14.8	13.7
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)