

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: P888564

Luminaire Tested: **DPT5-6FO55-85V60-F-XX-UDD_5000K**

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: P888564
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_5000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

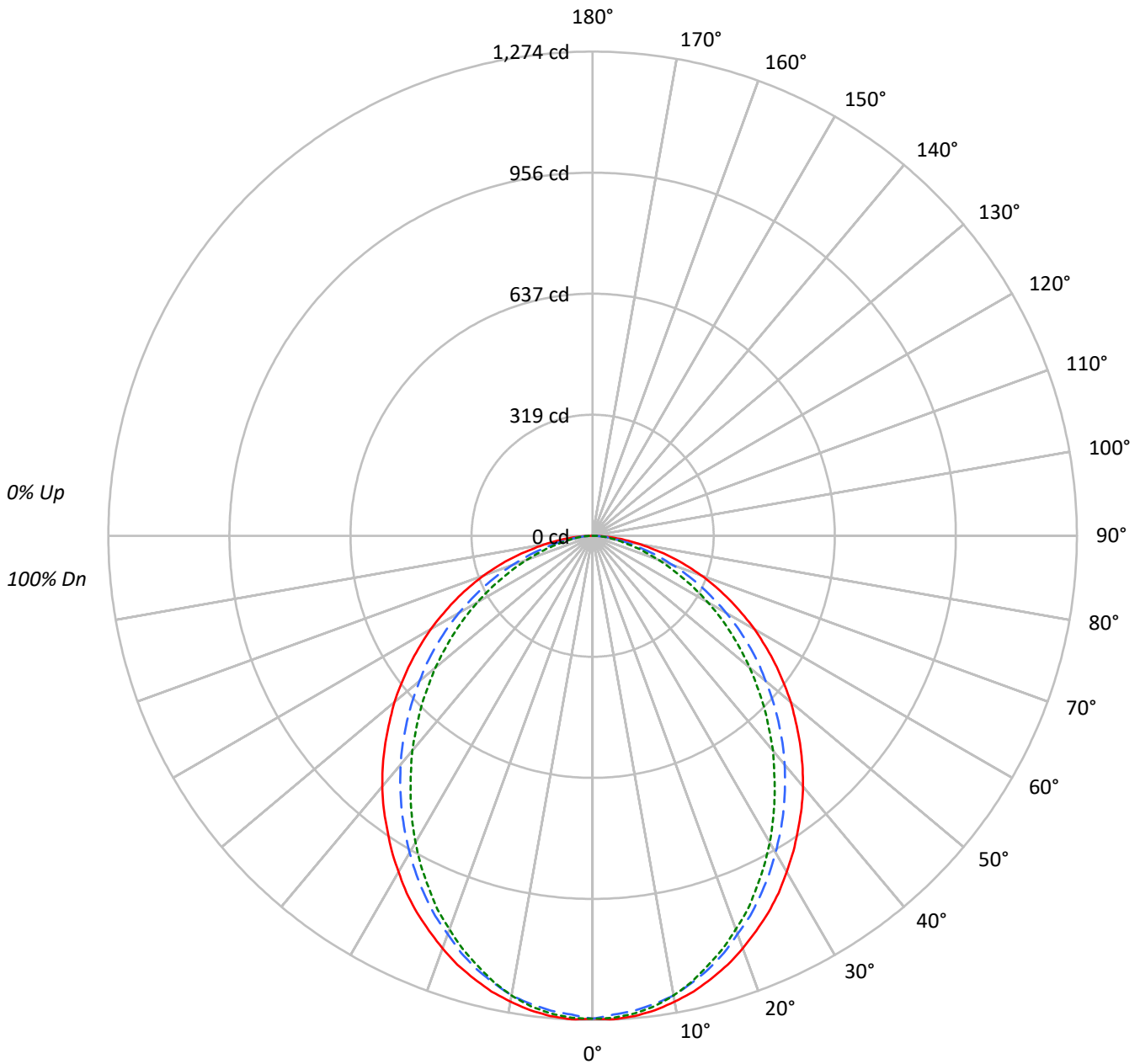
Lumens per Lamp: N/A
Luminaire Lumens: 3002.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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

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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°	8115	8115	8115
5°	8133	8041	8089
10°	8072	7965	7965
15°	7976	7804	7741
20°	7852	7578	7487
25°	7708	7357	7195
30°	7530	7098	6872
35°	7347	6831	6509
40°	7177	6552	6153
45°	6968	6240	5764
50°	6760	5902	5359
55°	6519	5579	4928
60°	6275	5184	4461
65°	5990	4730	3927
70°	5663	4155	3387
75°	5209	3506	2820
80°	4590	2755	2368
85°	3862	2257	2110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	4.0
10°-20°	334.2	11.1
20°-30°	484.6	16.1
30°-40°	552.1	18.4
40°-50°	538.1	17.9
50°-60°	452.9	15.1
60°-70°	317.3	10.6
70°-80°	162.7	5.4
80°-90°	40.6	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°	938.3	31.3
0°-40°	1490.4	49.6
0°-60°	2481.4	82.7
0°-90°	3002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1269	1265	1254	1264	1262	120
15°	1206	1200	1180	1179	1171	340
25°	1094	1080	1044	1032	1021	503
35°	942	920	876	848	835	590
45°	772	744	691	653	638	595
55°	586	555	501	458	443	523
65°	396	364	313	274	260	393
75°	211	182	142	121	114	223
85°	53	35	31	30	29	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1270.7	1270.7	1270.7	1270.7	1270.7
2.5°	1273.5	1270.7	1261.1	1270.7	1269.6
5°	1268.7	1265.0	1254.3	1263.7	1261.8
7.5°	1259.1	1255.2	1242.7	1250.4	1248.6
10°	1244.7	1241.8	1228.3	1231.3	1228.3
12.5°	1228.3	1224.4	1205.2	1207.1	1202.5
15°	1206.4	1200.5	1180.3	1179.4	1170.8
17.5°	1183.3	1174.7	1150.5	1145.9	1139.1
20°	1155.3	1145.9	1115.1	1110.3	1101.7
22.5°	1124.7	1115.1	1082.7	1072.0	1065.1
25°	1093.9	1079.5	1044.1	1031.6	1021.1
27.5°	1059.6	1042.1	1004.7	988.5	978.0
30°	1021.1	1002.9	962.5	940.6	931.9
32.5°	983.5	961.6	920.3	895.4	884.0
35°	942.4	919.5	876.2	848.4	834.9
37.5°	903.1	875.1	831.0	798.6	784.9
40°	860.9	832.1	785.9	749.5	738.1
42.5°	816.6	786.8	738.8	704.4	686.1
45°	771.5	743.9	690.9	652.6	638.2
47.5°	724.4	695.9	642.8	603.7	587.3
50°	680.4	648.7	594.0	553.8	539.4
52.5°	632.3	599.9	548.8	504.7	490.3
55°	585.5	554.7	501.1	457.9	442.6
57.5°	537.4	504.7	453.1	410.7	397.3
60°	491.3	457.9	405.9	363.7	349.3
62.5°	442.6	410.7	358.0	319.5	305.1
65°	396.4	363.7	313.0	274.3	259.9
67.5°	350.2	317.8	268.6	232.3	220.9
70°	303.3	270.6	222.5	192.8	181.4
72.5°	257.2	225.5	181.4	154.5	147.9
75°	211.1	182.3	142.1	121.1	114.3
77.5°	164.0	141.0	107.3	91.3	85.4
80°	124.8	101.8	74.9	66.2	64.4
82.5°	86.3	66.2	50.0	46.8	46.1
85°	52.7	35.4	30.8	29.7	28.8
87.5°	22.3	15.3	14.4	14.4	13.4
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)