

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: P888290

Luminaire Tested: **DPT5-6FO55-85V60-A-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: P888290
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-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

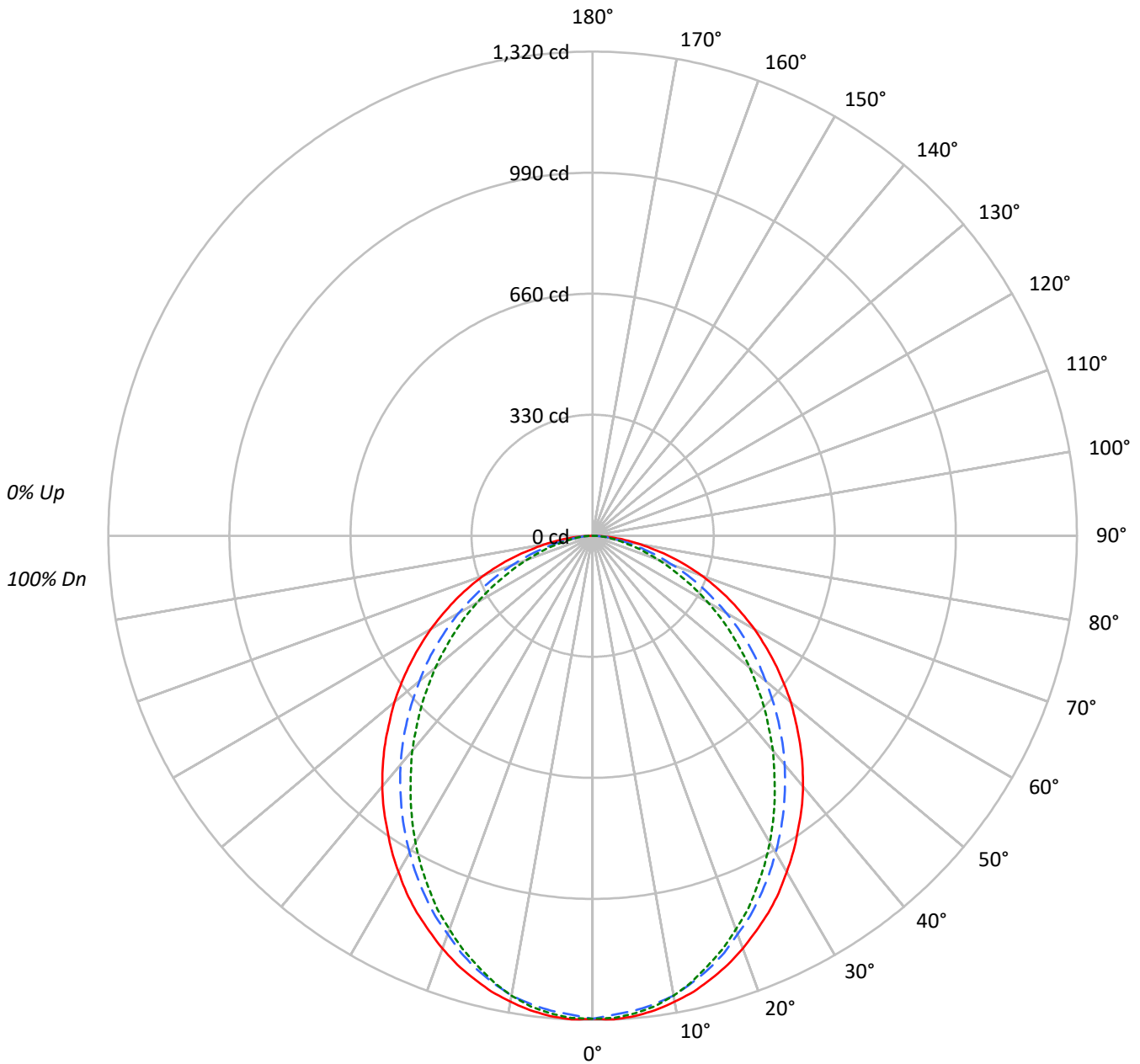
Lumens per Lamp: N/A
Luminaire Lumens: 3111.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888290

CATALOG NUMBER: DPT5-6FO55-85V60-A-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°	8409	8409	8409
5°	8429	8333	8383
10°	8365	8255	8255
15°	8266	8087	8022
20°	8137	7854	7760
25°	7988	7624	7457
30°	7803	7356	7122
35°	7614	7079	6745
40°	7437	6790	6377
45°	7221	6467	5974
50°	7005	6116	5554
55°	6756	5782	5106
60°	6504	5372	4624
65°	6208	4901	4069
70°	5871	4306	3510
75°	5399	3632	2921
80°	4755	2858	2457
85°	4001	2337	2191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	4.0
10°-20°	346.3	11.1
20°-30°	502.2	16.1
30°-40°	572.1	18.4
40°-50°	557.6	17.9
50°-60°	469.3	15.1
60°-70°	328.9	10.6
70°-80°	168.6	5.4
80°-90°	42.0	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°	972.4	31.3
0°-40°	1544.6	49.6
0°-60°	2571.5	82.7
0°-90°	3111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1315	1311	1300	1310	1308	125
15°	1250	1244	1223	1222	1213	352
25°	1134	1119	1082	1069	1058	522
35°	977	953	908	879	865	612
45°	800	771	716	676	661	617
55°	607	575	519	474	459	542
65°	411	377	324	284	269	407
75°	219	189	147	125	118	231
85°	55	37	32	31	30	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1316.8	1316.8	1316.8	1316.8	1316.8
2.5°	1319.8	1316.8	1306.9	1316.8	1315.7
5°	1314.8	1310.9	1299.9	1309.6	1307.6
7.5°	1304.8	1300.8	1287.9	1295.8	1293.9
10°	1289.9	1286.9	1272.9	1276.1	1272.9
12.5°	1272.9	1268.9	1248.9	1251.0	1246.2
15°	1250.2	1244.1	1223.1	1222.2	1213.3
17.5°	1226.2	1217.4	1192.3	1187.5	1180.5
20°	1197.3	1187.5	1155.6	1150.6	1141.8
22.5°	1165.5	1155.6	1122.0	1110.9	1103.7
25°	1133.6	1118.7	1082.0	1069.1	1058.2
27.5°	1098.0	1080.0	1041.2	1024.4	1013.5
30°	1058.2	1039.4	997.5	974.8	965.8
32.5°	1019.3	996.6	953.8	927.9	916.1
35°	976.6	952.8	908.0	879.2	865.2
37.5°	935.9	906.9	861.2	827.6	813.4
40°	892.1	862.3	814.5	776.7	764.9
42.5°	846.2	815.4	765.6	730.0	711.0
45°	799.5	770.9	716.0	676.3	661.4
47.5°	750.7	721.1	666.2	625.6	608.6
50°	705.1	672.2	615.6	573.9	559.0
52.5°	655.3	621.7	568.8	523.0	508.1
55°	606.8	574.8	519.3	474.5	458.6
57.5°	556.9	523.0	469.5	425.6	411.8
60°	509.2	474.5	420.6	376.9	362.0
62.5°	458.6	425.6	371.0	331.1	316.2
65°	410.8	376.9	324.3	284.3	269.3
67.5°	362.9	329.3	278.4	240.7	228.9
70°	314.4	280.4	230.6	199.8	188.0
72.5°	266.6	233.7	188.0	160.1	153.3
75°	218.8	188.9	147.2	125.4	118.4
77.5°	169.9	146.1	111.2	94.6	88.6
80°	129.3	105.5	77.7	68.6	66.8
82.5°	89.5	68.6	51.8	48.5	47.8
85°	54.6	36.7	31.9	30.8	29.9
87.5°	23.1	15.9	14.9	14.9	13.8
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)