

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: P888230

Luminaire Tested: **DPT5-6FO44-85V60-A-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: P888230
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: DPT5-6FO44-85V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

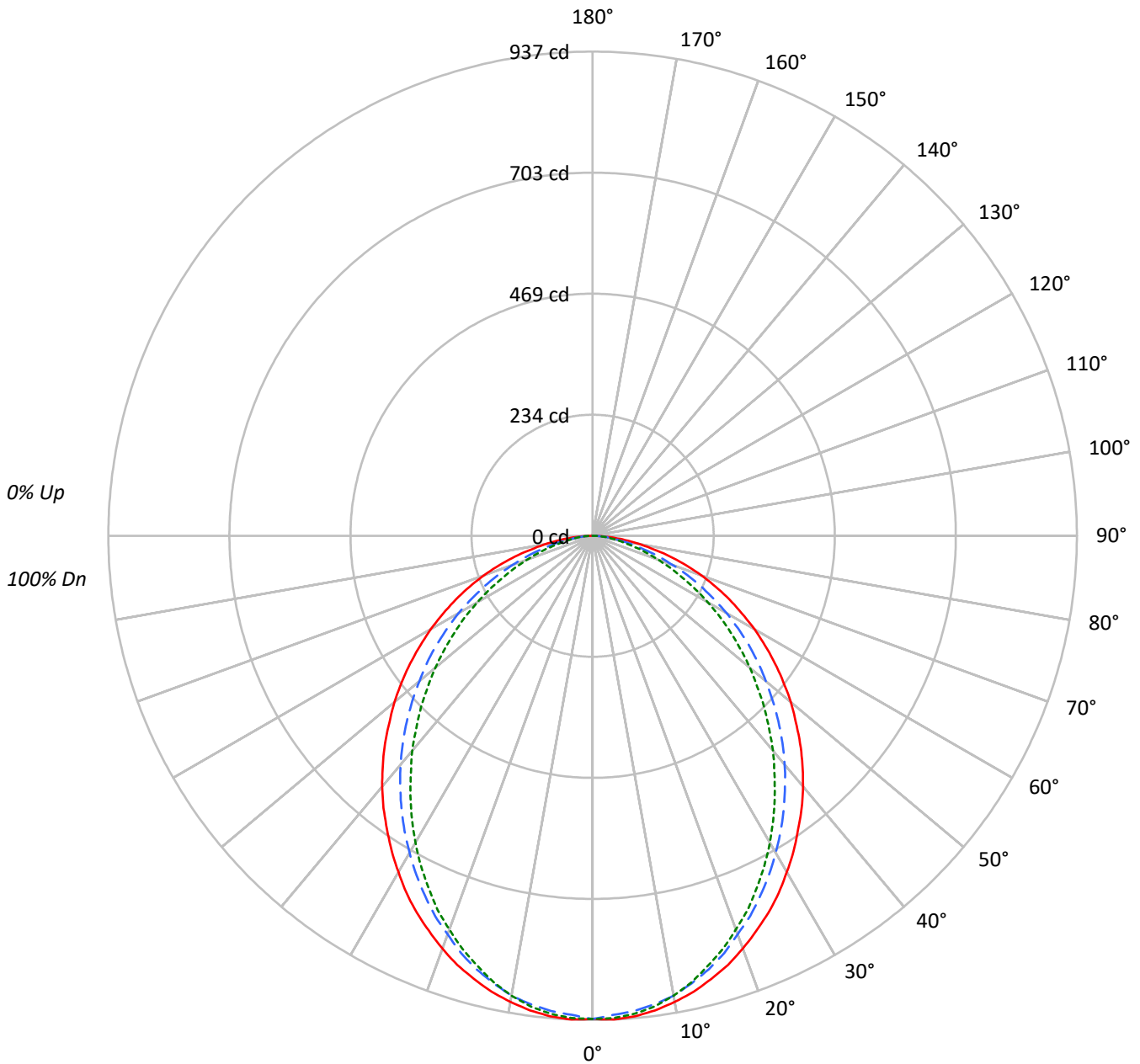
Lumens per Lamp: N/A
Luminaire Lumens: 2209.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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: P888230

CATALOG NUMBER: DPT5-6FO44-85V60-A-XX-UDD_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P888230

CATALOG NUMBER: DPT5-6FO44-85V60-A-XX-UDD_3000K

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°	7228	7228	7228
5°	7245	7163	7205
10°	7190	7095	7095
15°	7105	6951	6895
20°	6994	6750	6670
25°	6866	6554	6409
30°	6708	6323	6121
35°	6545	6084	5798
40°	6393	5836	5481
45°	6207	5558	5134
50°	6022	5257	4774
55°	5806	4969	4389
60°	5589	4618	3974
65°	5336	4213	3498
70°	5045	3700	3018
75°	4642	3121	2512
80°	4087	2453	2110
85°	3442	2014	1880



TEST NUMBER: P888230

CATALOG NUMBER: DPT5-6FO44-85V60-A-XX-UDD_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	4.0
10°-20°	245.9	11.1
20°-30°	356.6	16.1
30°-40°	406.2	18.4
40°-50°	395.9	17.9
50°-60°	333.2	15.1
60°-70°	233.5	10.6
70°-80°	119.7	5.4
80°-90°	29.9	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°	690.5	31.3
0°-40°	1096.7	49.6
0°-60°	1825.9	82.7
0°-90°	2209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	934	931	923	930	928	89
15°	888	883	868	868	862	250
25°	805	794	768	759	751	370
35°	694	677	645	624	614	434
45°	568	547	508	480	470	438
55°	431	408	369	337	326	385
65°	292	268	230	202	191	289
75°	155	134	104	89	84	164
85°	39	26	23	22	21	45
90°	0	0	0	0	0	



TEST NUMBER: P888230

CATALOG NUMBER: DPT5-6FO44-85V60-A-XX-UDD_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	935.0	935.0	935.0	935.0	935.0
2.5°	937.1	935.0	928.0	935.0	934.2
5°	933.6	930.8	923.0	929.9	928.5
7.5°	926.5	923.6	914.5	920.1	918.8
10°	915.9	913.8	903.8	906.1	903.8
12.5°	903.8	901.0	886.8	888.3	884.9
15°	887.7	883.4	868.5	867.8	861.5
17.5°	870.7	864.4	846.6	843.2	838.2
20°	850.1	843.2	820.5	817.0	810.7
22.5°	827.6	820.5	796.7	788.8	783.7
25°	804.9	794.3	768.3	759.1	751.4
27.5°	779.7	766.8	739.3	727.4	719.7
30°	751.4	738.0	708.3	692.2	685.7
32.5°	723.7	707.6	677.2	658.9	650.5
35°	693.5	676.6	644.7	624.3	614.4
37.5°	664.5	644.0	611.5	587.6	577.5
40°	633.5	612.3	578.3	551.5	543.1
42.5°	600.9	579.0	543.6	518.3	504.8
45°	567.7	547.4	508.4	480.2	469.6
47.5°	533.0	512.1	473.0	444.2	432.1
50°	500.7	477.3	437.1	407.5	396.9
52.5°	465.3	441.4	403.9	371.4	360.8
55°	430.8	408.2	368.7	336.9	325.6
57.5°	395.5	371.4	333.4	302.2	292.4
60°	361.5	336.9	298.7	267.6	257.0
62.5°	325.6	302.2	263.4	235.1	224.5
65°	291.7	267.6	230.3	201.9	191.2
67.5°	257.7	233.8	197.7	170.9	162.6
70°	223.2	199.1	163.7	141.9	133.5
72.5°	189.3	166.0	133.5	113.7	108.9
75°	155.4	134.1	104.5	89.1	84.1
77.5°	120.6	103.7	79.0	67.2	62.9
80°	91.8	74.9	55.1	48.7	47.4
82.5°	63.5	48.7	36.8	34.5	33.9
85°	38.8	26.1	22.7	21.9	21.2
87.5°	16.4	11.3	10.6	10.6	9.8
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)