

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: P888232

Luminaire Tested: **DPT5-6FO44-85V60-A-XX-UDD_4000K**

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: P888232
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_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

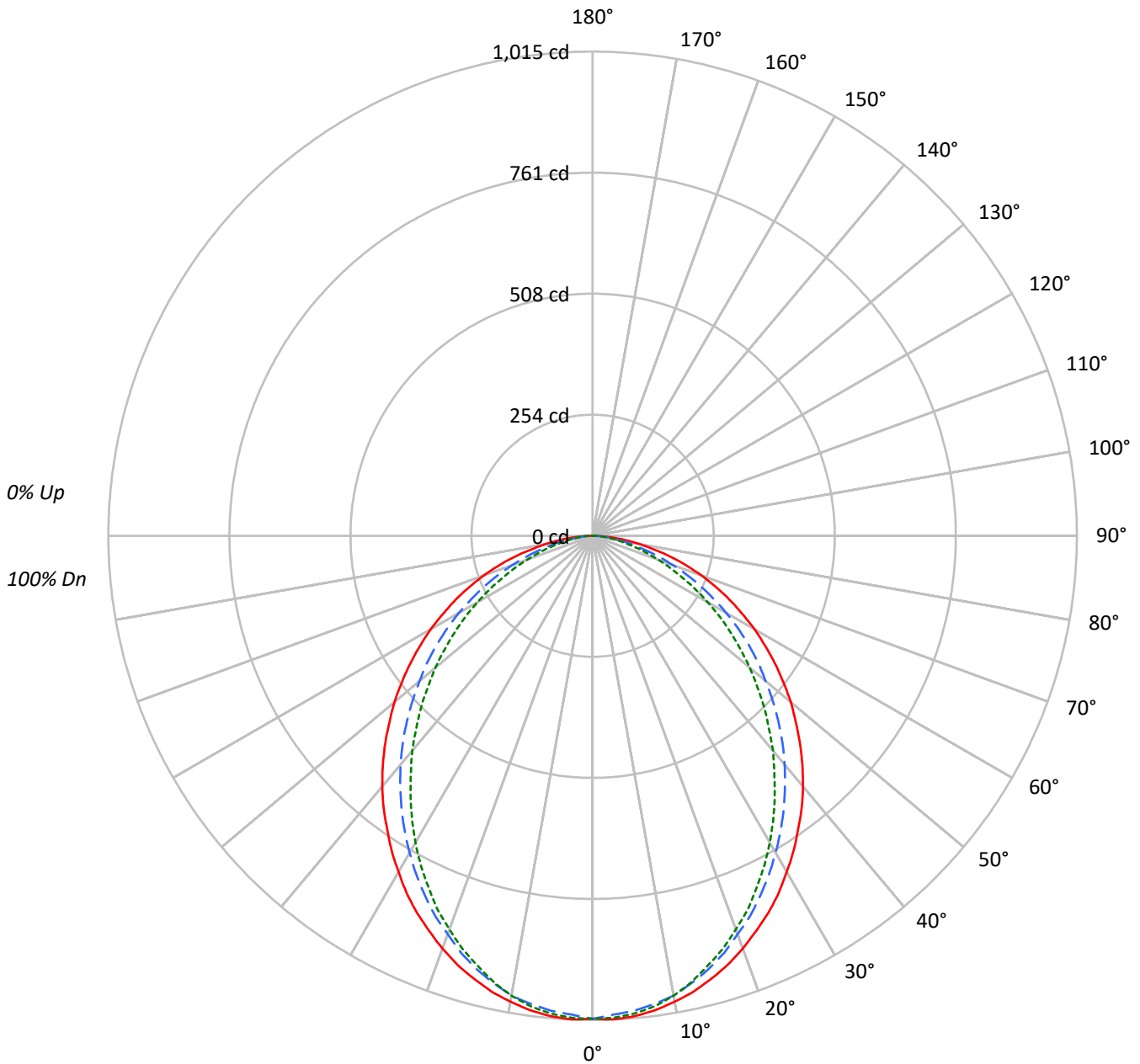
Lumens per Lamp: N/A
Luminaire Lumens: 2392.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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

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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°	7827	7827	7827
5°	7845	7756	7802
10°	7786	7683	7683
15°	7694	7526	7466
20°	7574	7310	7222
25°	7435	7096	6940
30°	7263	6847	6629
35°	7087	6589	6279
40°	6923	6320	5935
45°	6722	6019	5559
50°	6520	5692	5169
55°	6288	5382	4752
60°	6053	5000	4303
65°	5779	4562	3788
70°	5463	4008	3266
75°	5024	3381	2721
80°	4425	2658	2284
85°	3725	2173	2040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	4.0
10°-20°	266.3	11.1
20°-30°	386.1	16.1
30°-40°	439.9	18.4
40°-50°	428.8	17.9
50°-60°	360.8	15.1
60°-70°	252.8	10.6
70°-80°	129.6	5.4
80°-90°	32.3	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°	747.7	31.3
0°-40°	1187.6	49.6
0°-60°	1977.2	82.7
0°-90°	2392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2392.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1011	1008	999	1007	1005	96
15°	961	957	940	940	933	271
25°	872	860	832	822	814	401
35°	751	733	698	676	665	470
45°	615	593	550	520	508	474
55°	466	442	399	365	353	417
65°	316	290	249	219	207	313
75°	168	145	113	96	91	178
85°	42	28	24	24	23	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.5	1012.5	1012.5	1012.5	1012.5
2.5°	1014.8	1012.5	1004.8	1012.5	1011.6
5°	1010.9	1007.9	999.4	1007.0	1005.4
7.5°	1003.3	1000.1	990.2	996.3	994.9
10°	991.8	989.5	978.7	981.1	978.7
12.5°	978.7	975.6	960.3	961.8	958.2
15°	961.3	956.6	940.4	939.7	932.9
17.5°	942.8	936.0	916.7	913.1	907.7
20°	920.6	913.1	888.5	884.7	877.9
22.5°	896.2	888.5	862.7	854.2	848.7
25°	871.6	860.1	831.9	822.0	813.6
27.5°	844.3	830.4	800.6	787.7	779.3
30°	813.6	799.2	767.0	749.5	742.6
32.5°	783.7	766.2	733.3	713.5	704.4
35°	750.9	732.6	698.2	676.0	665.3
37.5°	719.6	697.3	662.1	636.3	625.4
40°	686.0	663.0	626.2	597.2	588.1
42.5°	650.6	627.0	588.7	561.3	546.7
45°	614.8	592.8	550.5	520.0	508.5
47.5°	577.2	554.5	512.2	481.0	467.9
50°	542.1	516.9	473.3	441.3	429.8
52.5°	503.8	478.0	437.3	402.1	390.6
55°	466.5	442.0	399.3	364.8	352.6
57.5°	428.2	402.1	361.0	327.2	316.6
60°	391.5	364.8	323.4	289.8	278.3
62.5°	352.6	327.2	285.2	254.6	243.1
65°	315.9	289.8	249.4	218.6	207.1
67.5°	279.0	253.2	214.0	185.1	176.0
70°	241.7	215.6	177.3	153.6	144.5
72.5°	205.0	179.7	144.5	123.1	117.9
75°	168.2	145.2	113.2	96.5	91.1
77.5°	130.6	112.3	85.5	72.8	68.1
80°	99.4	81.1	59.7	52.8	51.3
82.5°	68.8	52.8	39.9	37.3	36.7
85°	42.0	28.2	24.5	23.7	23.0
87.5°	17.7	12.2	11.5	11.5	10.6
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)