

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: P888497

Luminaire Tested: **DPT5-6FO44-61V60-F-XX-UDD_4500K**

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: P888497
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: DPT5-6FO44-61V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

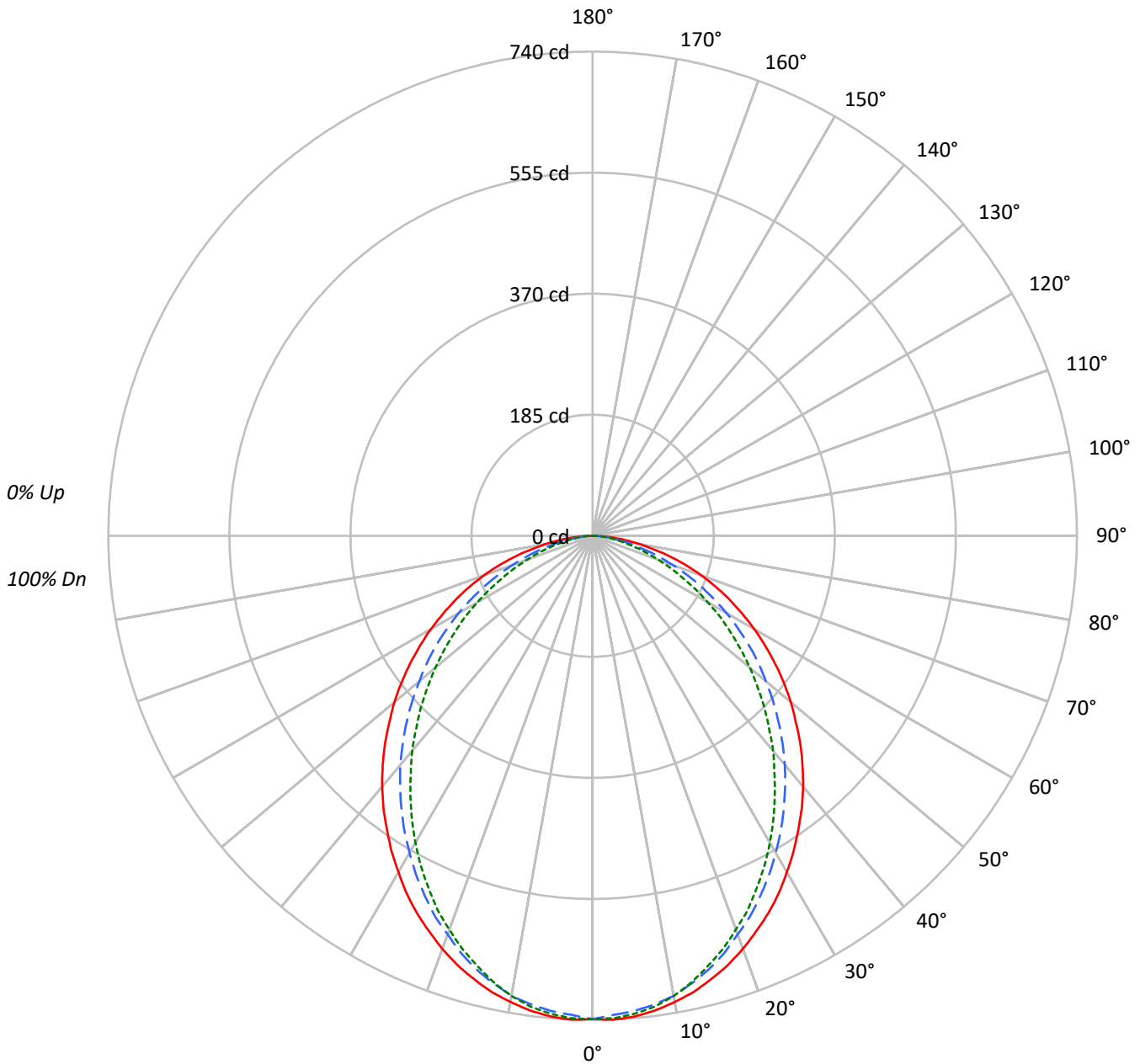
Lumens per Lamp: N/A
Luminaire Lumens: 1745.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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°	5710	5710	5710
5°	5723	5658	5691
10°	5680	5605	5605
15°	5613	5491	5447
20°	5525	5333	5269
25°	5424	5177	5063
30°	5298	4995	4836
35°	5170	4807	4580
40°	5050	4611	4329
45°	4903	4391	4056
50°	4757	4153	3770
55°	4587	3926	3467
60°	4416	3647	3139
65°	4215	3327	2764
70°	3985	2923	2382
75°	3665	2467	1983
80°	3228	1941	1669
85°	2714	1588	1490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	4.0
10°-20°	194.3	11.1
20°-30°	281.7	16.1
30°-40°	320.9	18.4
40°-50°	312.8	17.9
50°-60°	263.2	15.1
60°-70°	184.4	10.6
70°-80°	94.6	5.4
80°-90°	23.6	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°	545.4	31.3
0°-40°	866.4	49.6
0°-60°	1442.4	82.7
0°-90°	1745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	738	735	729	735	733	70
15°	701	698	686	686	681	198
25°	636	628	607	600	594	293
35°	548	534	509	493	485	343
45°	448	432	402	379	371	346
55°	340	322	291	266	257	304
65°	230	211	182	160	151	228
75°	123	106	83	70	66	130
85°	31	21	18	17	17	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738.6	738.6	738.6	738.6	738.6
2.5°	740.3	738.6	733.0	738.6	738.0
5°	737.5	735.3	729.1	734.6	733.4
7.5°	731.9	729.6	722.4	726.8	725.8
10°	723.5	721.9	714.0	715.8	714.0
12.5°	714.0	711.7	700.5	701.7	699.0
15°	701.3	697.9	686.1	685.5	680.6
17.5°	687.8	682.8	668.8	666.1	662.2
20°	671.6	666.1	648.2	645.4	640.4
22.5°	653.8	648.2	629.4	623.1	619.1
25°	635.9	627.5	606.9	599.7	593.5
27.5°	615.9	605.8	584.0	574.6	568.5
30°	593.5	583.0	559.5	546.8	541.7
32.5°	571.7	559.0	535.0	520.5	513.9
35°	547.8	534.5	509.3	493.2	485.3
37.5°	524.9	508.7	483.0	464.2	456.2
40°	500.4	483.7	456.9	435.6	429.0
42.5°	474.7	457.4	429.4	409.5	398.8
45°	448.5	432.4	401.6	379.3	371.0
47.5°	421.1	404.5	373.7	350.9	341.4
50°	395.5	377.1	345.3	321.9	313.5
52.5°	367.6	348.7	319.0	293.4	285.0
55°	340.3	322.4	291.3	266.1	257.2
57.5°	312.4	293.4	263.4	238.7	231.0
60°	285.6	266.1	235.9	211.4	203.0
62.5°	257.2	238.7	208.1	185.7	177.4
65°	230.4	211.4	181.9	159.5	151.1
67.5°	203.5	184.7	156.1	135.0	128.4
70°	176.3	157.3	129.3	112.1	105.4
72.5°	149.5	131.1	105.4	89.8	86.0
75°	122.7	106.0	82.6	70.4	66.4
77.5°	95.3	82.0	62.4	53.1	49.7
80°	72.5	59.2	43.6	38.5	37.5
82.5°	50.2	38.5	29.1	27.2	26.8
85°	30.6	20.6	17.9	17.3	16.8
87.5°	12.9	8.9	8.4	8.4	7.8
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)