

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: P888499

Luminaire Tested: **DPT5-6FO44-61V60-F-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: P888499
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_6500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

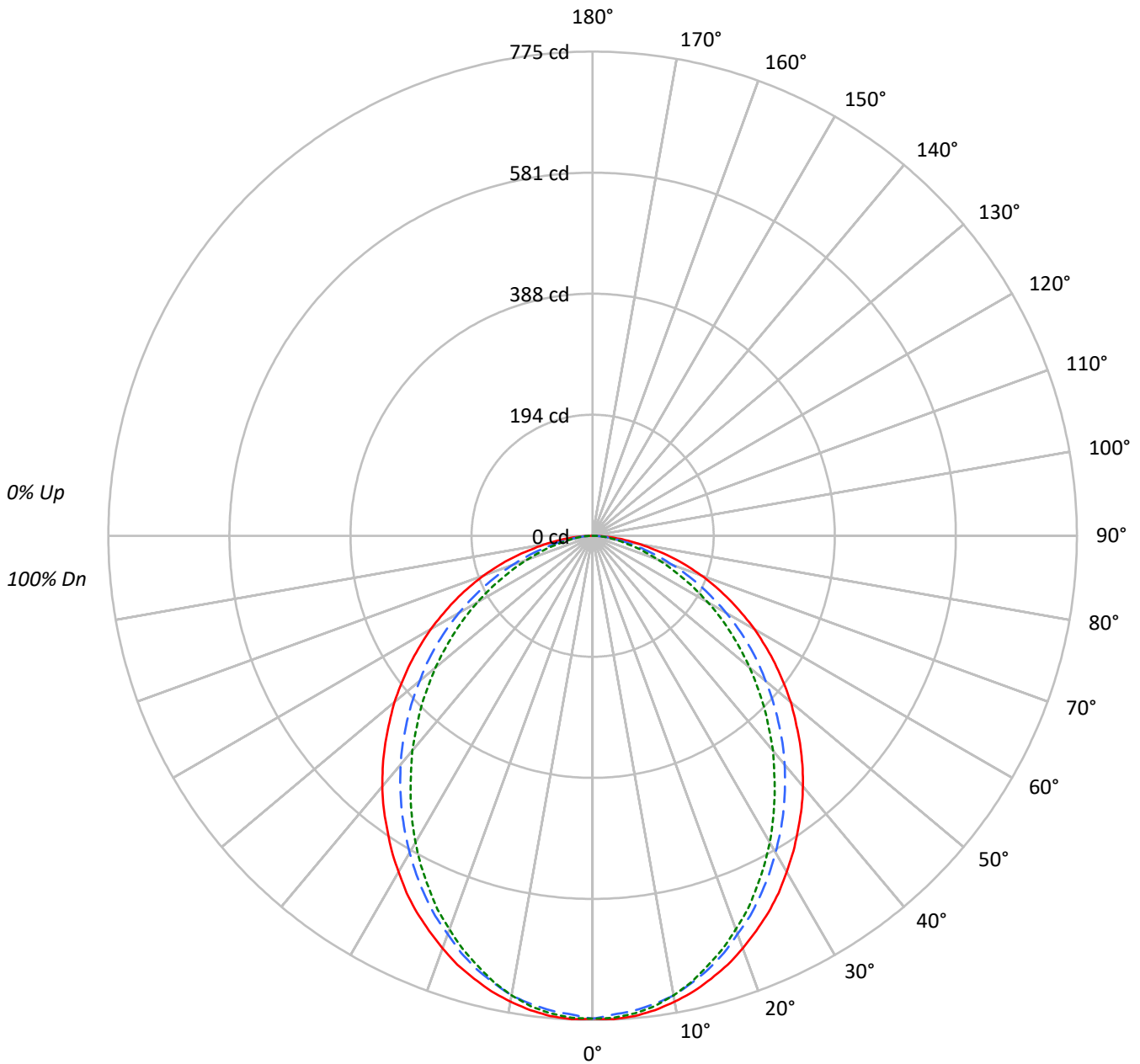
Lumens per Lamp: N/A
Luminaire Lumens: 1826.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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°	5975	5975	5975
5°	5989	5920	5956
10°	5943	5865	5865
15°	5873	5746	5700
20°	5781	5580	5514
25°	5676	5417	5298
30°	5544	5227	5061
35°	5410	5030	4792
40°	5284	4825	4530
45°	5131	4594	4244
50°	4977	4345	3946
55°	4800	4108	3628
60°	4621	3817	3284
65°	4410	3483	2892
70°	4170	3060	2493
75°	3835	2581	2076
80°	3379	2030	1745
85°	2847	1659	1552



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	4.0
10°-20°	203.3	11.1
20°-30°	294.8	16.1
30°-40°	335.8	18.4
40°-50°	327.3	17.9
50°-60°	275.5	15.1
60°-70°	193.0	10.6
70°-80°	99.0	5.4
80°-90°	24.7	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°	570.8	31.3
0°-40°	906.6	49.6
0°-60°	1509.3	82.7
0°-90°	1826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	772	769	763	769	768	73
15°	734	730	718	717	712	207
25°	665	657	635	628	621	306
35°	573	559	533	516	508	359
45°	469	452	420	397	388	362
55°	356	337	305	278	269	318
65°	241	221	190	167	158	239
75°	128	111	86	74	70	136
85°	32	22	19	18	18	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	772.9	772.9	772.9	772.9	772.9
2.5°	774.6	772.9	767.1	772.9	772.3
5°	771.7	769.4	762.9	768.7	767.5
7.5°	765.9	763.5	755.9	760.6	759.5
10°	757.1	755.4	747.1	749.0	747.1
12.5°	747.1	744.8	733.1	734.3	731.4
15°	733.8	730.2	717.9	717.4	712.2
17.5°	719.7	714.5	699.8	697.0	692.9
20°	702.7	697.0	678.3	675.3	670.2
22.5°	684.1	678.3	658.6	652.1	647.8
25°	665.4	656.6	635.1	627.5	621.1
27.5°	644.5	633.9	611.1	601.3	594.9
30°	621.1	610.1	585.5	572.2	566.9
32.5°	598.3	584.9	559.8	544.7	537.7
35°	573.2	559.3	533.0	516.1	507.8
37.5°	549.3	532.3	505.5	485.7	477.4
40°	523.6	506.1	478.1	455.9	448.9
42.5°	496.7	478.6	449.4	428.5	417.3
45°	469.3	452.5	420.2	397.0	388.2
47.5°	440.6	423.3	391.0	367.2	357.2
50°	413.8	394.6	361.3	336.9	328.1
52.5°	384.6	364.9	333.8	307.0	298.2
55°	356.1	337.4	304.8	278.5	269.2
57.5°	326.9	307.0	275.6	249.8	241.7
60°	298.9	278.5	246.9	221.2	212.4
62.5°	269.2	249.8	217.8	194.4	185.6
65°	241.1	221.2	190.4	166.9	158.1
67.5°	213.0	193.3	163.4	141.3	134.4
70°	184.5	164.6	135.4	117.3	110.3
72.5°	156.5	137.2	110.3	94.0	90.0
75°	128.4	110.9	86.4	73.6	69.5
77.5°	99.7	85.8	65.3	55.5	52.0
80°	75.9	61.9	45.6	40.3	39.2
82.5°	52.5	40.3	30.4	28.5	28.0
85°	32.1	21.5	18.7	18.1	17.5
87.5°	13.5	9.3	8.8	8.8	8.1
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)