

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: P888548

Luminaire Tested: **DPT5-6FO55-61V60-F-XX-UDD_2700K**

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: P888548
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: DPT5-6FO55-61V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

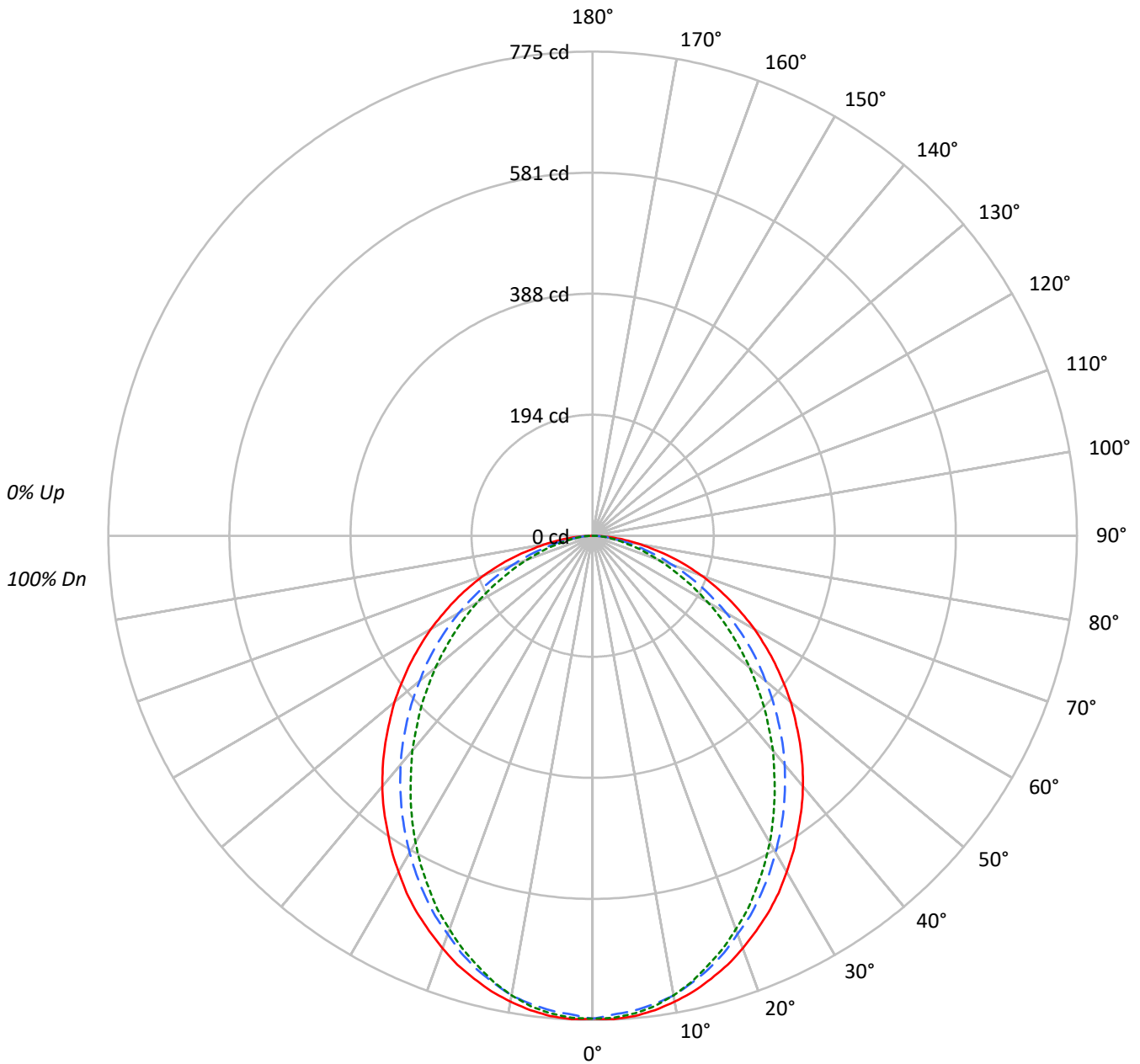
Lumens per Lamp: N/A
Luminaire Lumens: 1826.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	4936	4936	4936
5°	4947	4891	4920
10°	4910	4845	4845
15°	4852	4746	4709
20°	4776	4610	4555
25°	4689	4475	4377
30°	4580	4318	4180
35°	4469	4155	3959
40°	4365	3986	3742
45°	4239	3795	3506
50°	4111	3590	3260
55°	3965	3394	2997
60°	3818	3154	2713
65°	3643	2877	2389
70°	3445	2528	2060
75°	3168	2132	1715
80°	2791	1677	1442
85°	2352	1370	1282



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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)