

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: P888453

Luminaire Tested: **DPT5-6FO36-85V60-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: P888453
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: DPT5-6FO36-85V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

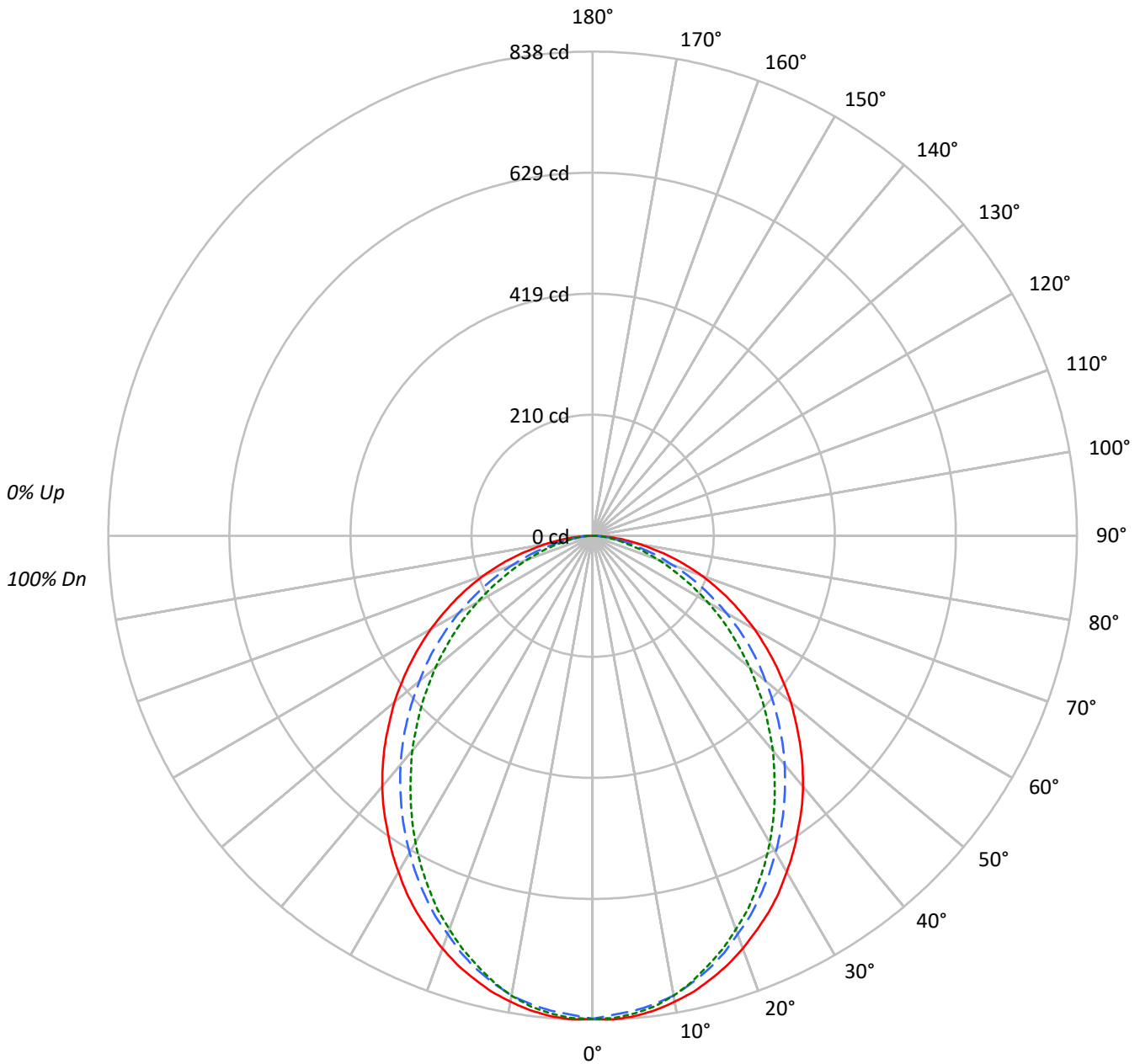
Lumens per Lamp: N/A
Luminaire Lumens: 1975.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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°	7951	7951	7951
5°	7969	7878	7925
10°	7908	7804	7804
15°	7815	7645	7584
20°	7693	7425	7336
25°	7552	7208	7050
30°	7378	6954	6733
35°	7198	6692	6378
40°	7032	6420	6029
45°	6827	6113	5648
50°	6623	5782	5251
55°	6387	5467	4828
60°	6148	5079	4371
65°	5869	4634	3848
70°	5550	4071	3317
75°	5104	3436	2763
80°	4497	2700	2322
85°	3787	2215	2073



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	4.0
10°-20°	219.9	11.1
20°-30°	318.8	16.1
30°-40°	363.2	18.4
40°-50°	354.0	17.9
50°-60°	297.9	15.1
60°-70°	208.8	10.6
70°-80°	107.0	5.4
80°-90°	26.7	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°	617.3	31.3
0°-40°	980.5	49.6
0°-60°	1632.5	82.7
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	835	832	825	831	830	79
15°	794	790	776	776	770	224
25°	720	710	687	679	672	331
35°	620	605	576	558	549	388
45°	508	489	454	429	420	391
55°	385	365	330	301	291	344
65°	261	239	206	180	171	258
75°	139	120	94	80	75	147
85°	35	23	20	20	19	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.0	836.0	836.0	836.0	836.0
2.5°	837.9	836.0	829.7	836.0	835.3
5°	834.7	832.2	825.2	831.4	830.1
7.5°	828.4	825.8	817.6	822.6	821.5
10°	818.9	817.0	808.1	810.1	808.1
12.5°	808.1	805.5	792.9	794.2	791.1
15°	793.7	789.8	776.5	775.9	770.3
17.5°	778.5	772.9	756.9	753.9	749.4
20°	760.1	753.9	733.6	730.5	724.8
22.5°	739.9	733.6	712.3	705.3	700.7
25°	719.7	710.2	686.9	678.7	671.8
27.5°	697.1	685.6	661.0	650.3	643.4
30°	671.8	659.8	633.2	618.8	613.1
32.5°	647.1	632.7	605.5	589.1	581.6
35°	620.0	604.9	576.4	558.2	549.3
37.5°	594.1	575.7	546.7	525.4	516.4
40°	566.4	547.4	517.1	493.1	485.6
42.5°	537.2	517.7	486.0	463.4	451.4
45°	507.6	489.4	454.5	429.3	419.9
47.5°	476.5	457.8	422.9	397.1	386.4
50°	447.6	426.8	390.8	364.3	354.9
52.5°	416.0	394.7	361.1	332.0	322.5
55°	385.2	364.9	329.7	301.2	291.2
57.5°	353.6	332.0	298.1	270.2	261.4
60°	323.2	301.2	267.0	239.3	229.8
62.5°	291.2	270.2	235.5	210.2	200.7
65°	260.8	239.3	205.9	180.5	171.0
67.5°	230.4	209.1	176.7	152.8	145.3
70°	199.6	178.0	146.4	126.8	119.3
72.5°	169.2	148.4	119.3	101.7	97.3
75°	138.9	119.9	93.5	79.6	75.2
77.5°	107.9	92.8	70.6	60.1	56.2
80°	82.1	67.0	49.3	43.6	42.4
82.5°	56.8	43.6	32.9	30.8	30.3
85°	34.7	23.3	20.3	19.6	19.0
87.5°	14.6	10.1	9.5	9.5	8.8
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)