

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: P888450

Luminaire Tested: **DPT5-6FO36-85V60-F-XX-UDD_3000K**

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: P888450
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_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

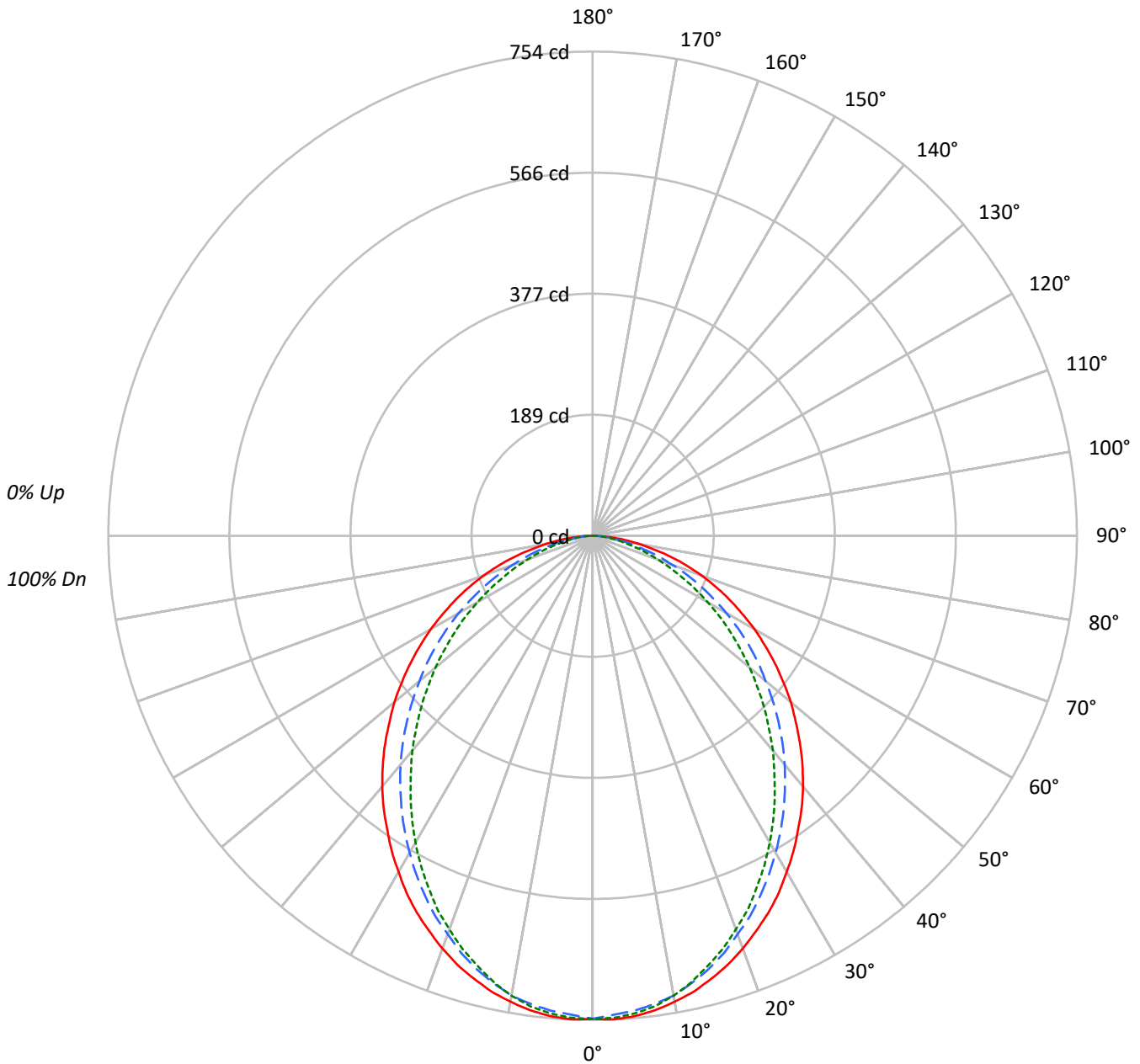
Lumens per Lamp: N/A
Luminaire Lumens: 1777.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	7154	7154	7154
5°	7170	7089	7131
10°	7115	7022	7022
15°	7031	6878	6824
20°	6922	6681	6601
25°	6795	6485	6342
30°	6637	6257	6058
35°	6477	6022	5738
40°	6327	5776	5424
45°	6143	5501	5081
50°	5958	5202	4724
55°	5747	4918	4344
60°	5531	4571	3932
65°	5282	4168	3461
70°	4994	3662	2986
75°	4593	3090	2488
80°	4047	2432	2087
85°	3405	1986	1866



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	4.0
10°-20°	197.8	11.1
20°-30°	286.8	16.1
30°-40°	326.8	18.4
40°-50°	318.5	17.9
50°-60°	268.1	15.1
60°-70°	187.8	10.6
70°-80°	96.3	5.4
80°-90°	24.0	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°	555.4	31.3
0°-40°	882.2	49.6
0°-60°	1468.8	82.7
0°-90°	1777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	751	749	742	748	747	71
15°	714	711	699	698	693	201
25°	648	639	618	611	604	298
35°	558	544	519	502	494	349
45°	457	440	409	386	378	352
55°	347	328	297	271	262	310
65°	235	215	185	162	154	232
75°	125	108	84	72	68	132
85°	31	21	18	18	17	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.2	752.2	752.2	752.2	752.2
2.5°	753.9	752.2	746.5	752.2	751.5
5°	751.0	748.8	742.5	748.1	746.9
7.5°	745.3	743.0	735.6	740.2	739.1
10°	736.8	735.1	727.1	728.9	727.1
12.5°	727.1	724.8	713.4	714.5	711.8
15°	714.1	710.7	698.6	698.1	693.1
17.5°	700.4	695.4	681.0	678.3	674.3
20°	683.9	678.3	660.1	657.2	652.2
22.5°	665.8	660.1	640.9	634.6	630.5
25°	647.5	639.0	618.0	610.6	604.4
27.5°	627.2	616.9	594.7	585.1	578.9
30°	604.4	593.7	569.8	556.8	551.6
32.5°	582.2	569.2	544.8	530.0	523.3
35°	557.9	544.3	518.7	502.2	494.2
37.5°	534.6	518.0	491.9	472.7	464.6
40°	509.6	492.5	465.2	443.6	436.9
42.5°	483.4	465.8	437.3	417.0	406.1
45°	456.7	440.4	409.0	386.3	377.8
47.5°	428.8	411.9	380.5	357.3	347.6
50°	402.7	384.0	351.6	327.8	319.3
52.5°	374.3	355.1	324.9	298.7	290.2
55°	346.6	328.3	296.6	271.0	262.0
57.5°	318.1	298.7	268.2	243.1	235.2
60°	290.8	271.0	240.3	215.3	206.7
62.5°	262.0	243.1	211.9	189.1	180.6
65°	234.7	215.3	185.2	162.4	153.8
67.5°	207.3	188.1	159.0	137.5	130.8
70°	179.6	160.2	131.7	114.1	107.4
72.5°	152.3	133.5	107.4	91.5	87.6
75°	125.0	107.9	84.1	71.7	67.7
77.5°	97.1	83.5	63.5	54.1	50.6
80°	73.9	60.3	44.4	39.2	38.1
82.5°	51.1	39.2	29.6	27.7	27.3
85°	31.2	21.0	18.2	17.6	17.1
87.5°	13.2	9.1	8.5	8.5	7.9
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)