

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: P888449

Luminaire Tested: **DPT5-6FO36-85V60-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: P888449
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_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

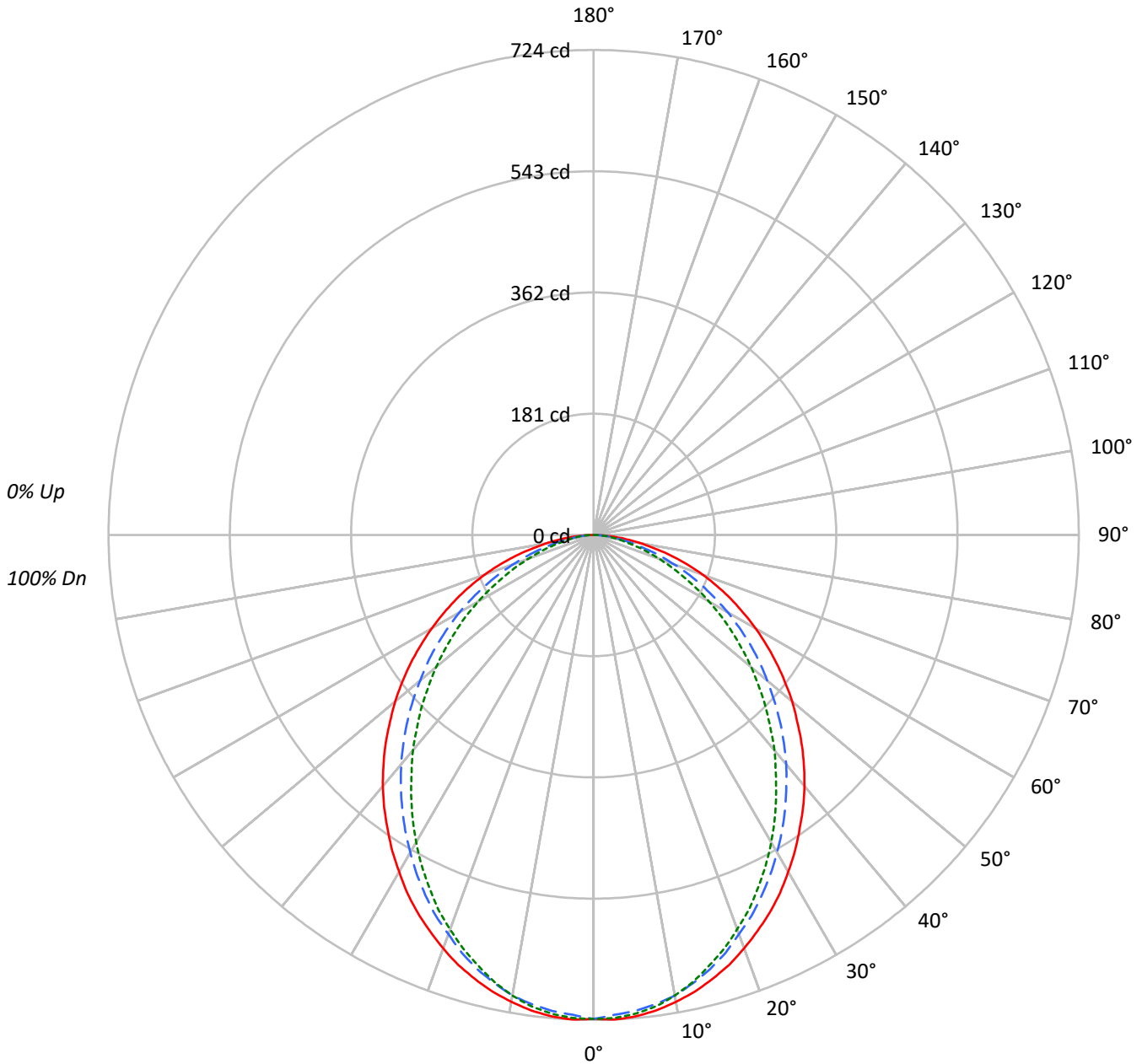
Lumens per Lamp: N/A
Luminaire Lumens: 1707.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	6871	6871	6871
5°	6887	6809	6850
10°	6835	6745	6745
15°	6754	6608	6555
20°	6648	6418	6341
25°	6527	6230	6093
30°	6376	6010	5819
35°	6222	5784	5511
40°	6077	5548	5211
45°	5900	5284	4881
50°	5724	4998	4538
55°	5520	4724	4172
60°	5314	4390	3778
65°	5072	4006	3326
70°	4797	3518	2867
75°	4413	2969	2388
80°	3889	2333	2005
85°	3274	1910	1790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	4.0
10°-20°	190.0	11.1
20°-30°	275.5	16.1
30°-40°	313.9	18.4
40°-50°	306.0	17.9
50°-60°	257.5	15.1
60°-70°	180.4	10.6
70°-80°	92.5	5.4
80°-90°	23.1	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°	533.6	31.3
0°-40°	847.5	49.6
0°-60°	1411.0	82.7
0°-90°	1707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	721	719	713	719	718	68
15°	686	683	671	671	666	193
25°	622	614	594	587	581	286
35°	536	523	498	482	475	336
45°	439	423	393	371	363	338
55°	333	315	285	260	252	298
65°	225	207	178	156	148	223
75°	120	104	81	69	65	127
85°	30	20	18	17	16	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	722.5	722.5	722.5	722.5	722.5
2.5°	724.2	722.5	717.1	722.5	721.9
5°	721.4	719.3	713.2	718.6	717.5
7.5°	716.0	713.7	706.6	711.0	710.0
10°	707.8	706.1	698.4	700.2	698.4
12.5°	698.4	696.2	685.3	686.4	683.8
15°	686.0	682.7	671.1	670.6	665.8
17.5°	672.8	668.0	654.2	651.6	647.7
20°	656.9	651.6	634.1	631.3	626.5
22.5°	639.5	634.1	615.6	609.6	605.6
25°	622.0	613.8	593.7	586.6	580.6
27.5°	602.5	592.6	571.3	562.1	556.1
30°	580.6	570.3	547.3	534.9	529.9
32.5°	559.3	546.8	523.3	509.2	502.7
35°	535.9	522.8	498.2	482.4	474.7
37.5°	513.5	497.6	472.5	454.1	446.3
40°	489.5	473.1	446.9	426.2	419.7
42.5°	464.3	447.4	420.1	400.5	390.1
45°	438.7	423.0	392.9	371.1	362.9
47.5°	411.9	395.7	365.5	343.3	333.9
50°	386.9	368.9	337.8	314.9	306.7
52.5°	359.5	341.1	312.1	287.0	278.8
55°	332.9	315.4	284.9	260.3	251.6
57.5°	305.6	287.0	257.6	233.5	225.9
60°	279.4	260.3	230.8	206.8	198.6
62.5°	251.6	233.5	203.6	181.7	173.5
65°	225.4	206.8	178.0	156.0	147.8
67.5°	199.1	180.7	152.7	132.1	125.6
70°	172.5	153.9	126.5	109.6	103.1
72.5°	146.3	128.3	103.1	87.9	84.1
75°	120.1	103.7	80.8	68.8	65.0
77.5°	93.2	80.2	61.0	51.9	48.6
80°	71.0	57.9	42.6	37.7	36.6
82.5°	49.1	37.7	28.4	26.6	26.2
85°	30.0	20.1	17.5	16.9	16.4
87.5°	12.7	8.7	8.2	8.2	7.6
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)