

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: P888494

Luminaire Tested: **DPT5-6FO44-61V60-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: P888494
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_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

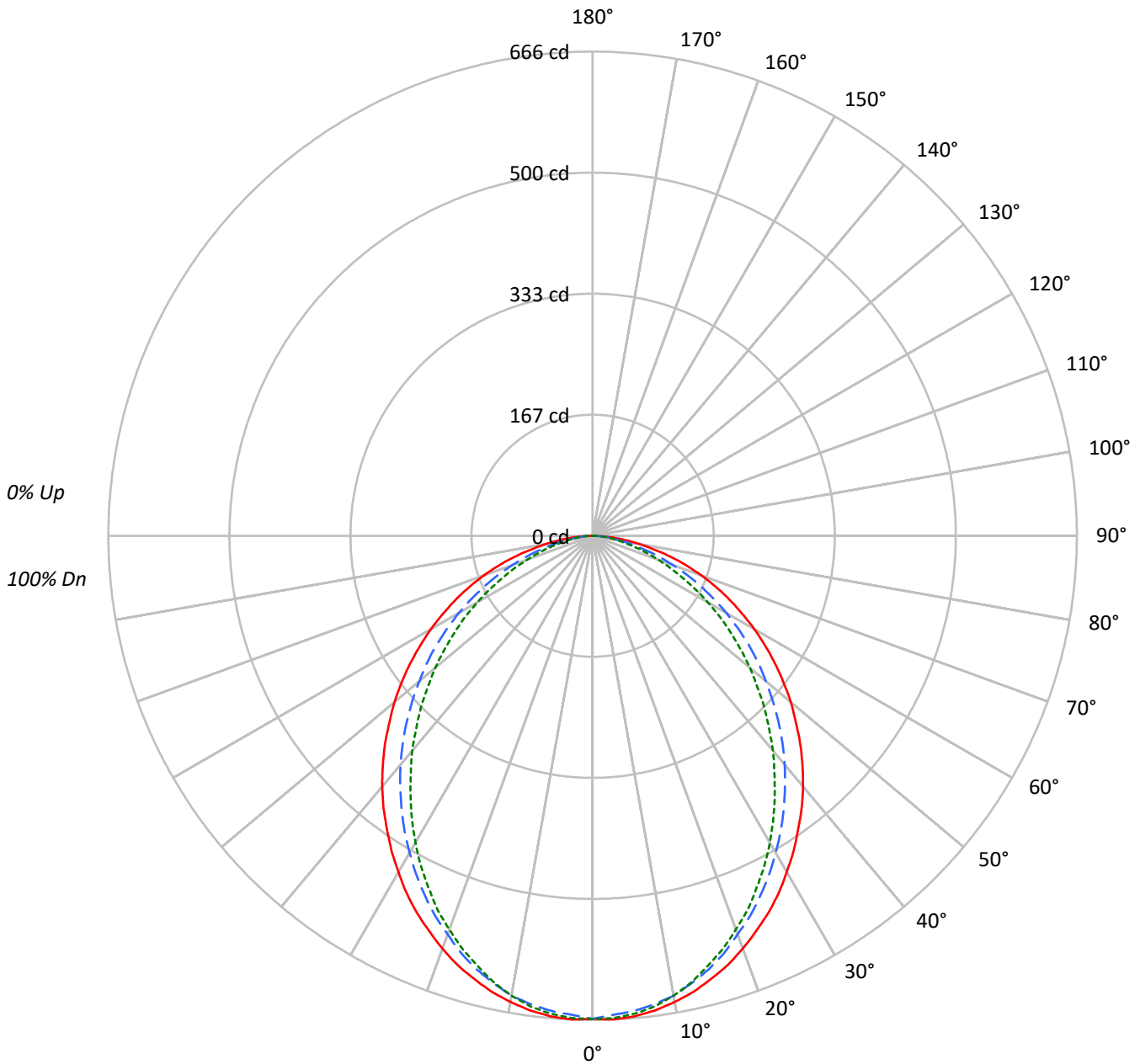
Lumens per Lamp: N/A
Luminaire Lumens: 1570.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
Input Voltage (V): NR
Input Current (Ain): 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°	5137	5137	5137
5°	5149	5091	5121
10°	5110	5043	5043
15°	5049	4941	4901
20°	4971	4798	4740
25°	4880	4657	4555
30°	4767	4494	4351
35°	4652	4324	4120
40°	4543	4148	3895
45°	4411	3950	3649
50°	4279	3737	3393
55°	4127	3533	3119
60°	3974	3282	2825
65°	3792	2995	2486
70°	3585	2631	2145
75°	3298	2219	1786
80°	2907	1745	1500
85°	2448	1428	1339



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	4.0
10°-20°	174.8	11.1
20°-30°	253.4	16.1
30°-40°	288.7	18.4
40°-50°	281.4	17.9
50°-60°	236.8	15.1
60°-70°	166.0	10.6
70°-80°	85.1	5.4
80°-90°	21.2	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°	490.7	31.3
0°-40°	779.5	49.6
0°-60°	1297.7	82.7
0°-90°	1570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	664	662	656	661	660	63
15°	631	628	617	617	612	178
25°	572	565	546	540	534	263
35°	493	481	458	444	437	309
45°	404	389	361	341	334	311
55°	306	290	262	240	231	274
65°	207	190	164	144	136	205
75°	110	95	74	63	60	117
85°	28	18	16	16	15	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.5	664.5	664.5	664.5	664.5
2.5°	666.0	664.5	659.5	664.5	664.0
5°	663.5	661.6	656.0	660.9	659.9
7.5°	658.5	656.4	649.9	653.9	653.0
10°	651.0	649.5	642.4	644.0	642.4
12.5°	642.4	640.3	630.3	631.3	628.9
15°	630.9	627.9	617.3	616.8	612.3
17.5°	618.8	614.4	601.7	599.3	595.7
20°	604.2	599.3	583.2	580.7	576.2
22.5°	588.2	583.2	566.2	560.6	557.0
25°	572.1	564.6	546.0	539.5	534.0
27.5°	554.1	545.0	525.5	517.0	511.5
30°	534.0	524.5	503.4	491.9	487.4
32.5°	514.4	502.9	481.3	468.3	462.3
35°	492.9	480.9	458.2	443.7	436.6
37.5°	472.3	457.7	434.6	417.6	410.5
40°	450.2	435.2	411.0	392.0	386.0
42.5°	427.1	411.5	386.4	368.4	358.8
45°	403.5	389.1	361.3	341.3	333.8
47.5°	378.8	363.9	336.2	315.7	307.1
50°	355.8	339.3	310.7	289.6	282.1
52.5°	330.7	313.7	287.0	263.9	256.4
55°	306.2	290.1	262.1	239.5	231.4
57.5°	281.1	263.9	236.9	214.8	207.8
60°	257.0	239.5	212.3	190.2	182.7
62.5°	231.4	214.8	187.2	167.1	159.6
65°	207.3	190.2	163.7	143.5	135.9
67.5°	183.1	166.2	140.5	121.5	115.5
70°	158.6	141.5	116.4	100.8	94.9
72.5°	134.5	118.0	94.9	80.8	77.4
75°	110.4	95.3	74.3	63.3	59.8
77.5°	85.7	73.7	56.1	47.8	44.7
80°	65.3	53.3	39.2	34.6	33.7
82.5°	45.2	34.6	26.2	24.5	24.1
85°	27.6	18.5	16.1	15.5	15.1
87.5°	11.6	8.0	7.5	7.5	7.0
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)