

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: P888452

Luminaire Tested: **DPT5-6FO36-85V60-F-XX-UDD_4000K**

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: P888452
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_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

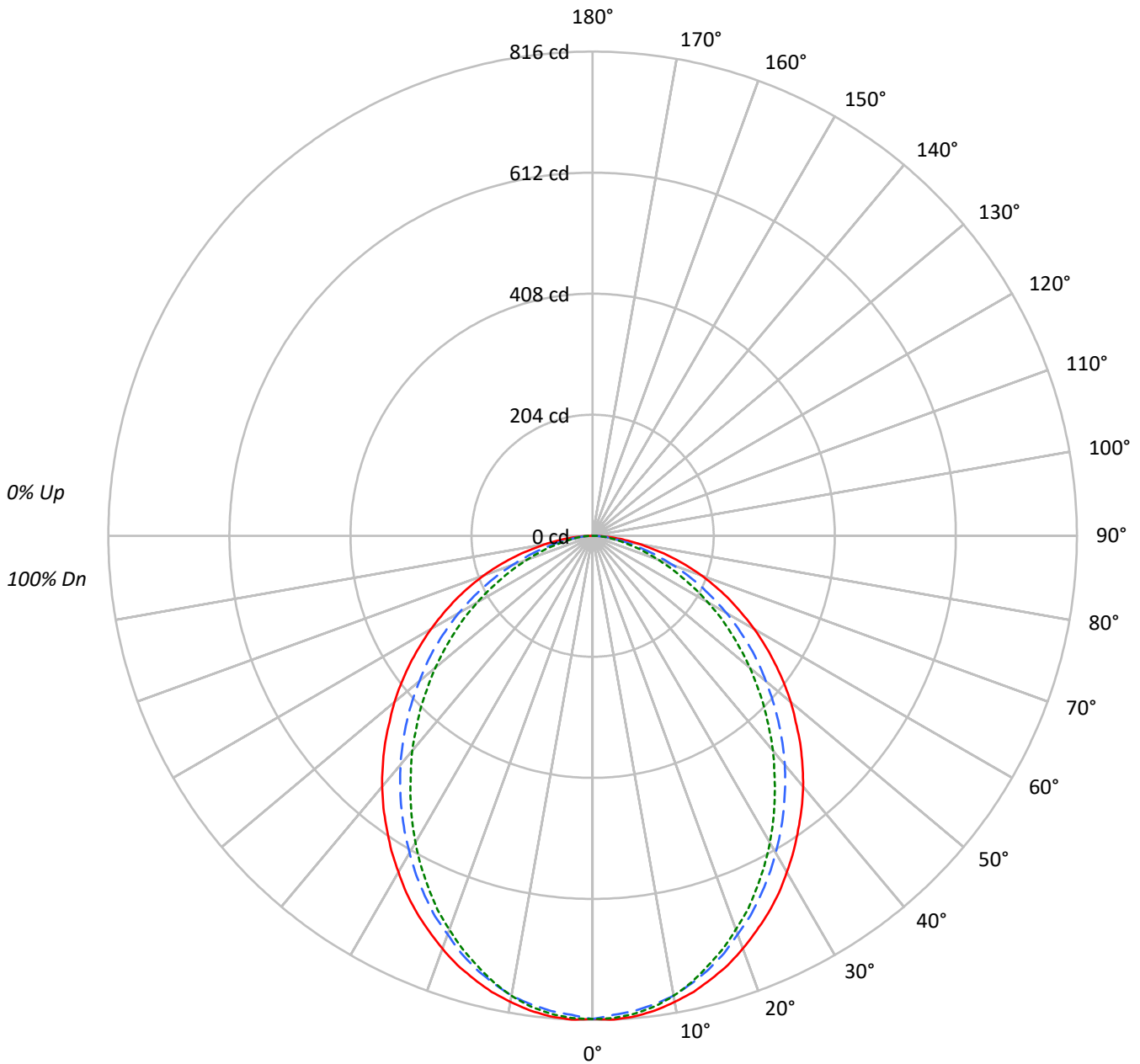
Lumens per Lamp: N/A
Luminaire Lumens: 1924.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	7745	7745	7745
5°	7763	7675	7721
10°	7704	7602	7602
15°	7613	7448	7388
20°	7495	7233	7146
25°	7357	7022	6867
30°	7187	6775	6559
35°	7013	6520	6213
40°	6851	6254	5872
45°	6651	5956	5501
50°	6452	5633	5115
55°	6221	5326	4702
60°	5990	4947	4257
65°	5718	4514	3749
70°	5406	3965	3234
75°	4972	3344	2690
80°	4382	2629	2262
85°	3688	2150	2019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	4.0
10°-20°	214.2	11.1
20°-30°	310.6	16.1
30°-40°	353.8	18.4
40°-50°	344.9	17.9
50°-60°	290.2	15.1
60°-70°	203.4	10.6
70°-80°	104.3	5.4
80°-90°	26.0	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°	601.4	31.3
0°-40°	955.2	49.6
0°-60°	1590.3	82.7
0°-90°	1924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	814	814	814	814	814	
5°	813	811	804	810	809	77
15°	773	769	756	756	750	218
25°	701	692	669	661	654	323
35°	604	589	562	544	535	378
45°	494	477	443	418	409	381
55°	375	356	321	293	284	335
65°	254	233	201	176	167	252
75°	135	117	91	78	73	143
85°	34	23	20	19	18	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	814.4	814.4	814.4	814.4	814.4
2.5°	816.2	814.4	808.2	814.4	813.7
5°	813.1	810.7	803.9	809.9	808.7
7.5°	807.0	804.5	796.5	801.4	800.2
10°	797.7	795.9	787.2	789.2	787.2
12.5°	787.2	784.7	772.4	773.7	770.7
15°	773.2	769.4	756.4	755.9	750.4
17.5°	758.4	752.9	737.4	734.4	730.1
20°	740.5	734.4	714.7	711.6	706.1
22.5°	720.8	714.7	693.9	687.1	682.6
25°	701.1	691.9	669.2	661.2	654.4
27.5°	679.1	667.9	643.9	633.6	626.8
30°	654.4	642.8	616.9	602.9	597.3
32.5°	630.4	616.3	589.9	573.9	566.6
35°	604.0	589.3	561.6	543.8	535.1
37.5°	578.8	560.9	532.6	511.8	503.0
40°	551.8	533.3	503.7	480.3	473.0
42.5°	523.3	504.3	473.5	451.5	439.7
45°	494.5	476.8	442.8	418.3	409.0
47.5°	464.2	446.0	412.0	386.9	376.4
50°	436.1	415.8	380.7	354.9	345.7
52.5°	405.3	384.5	351.7	323.5	314.2
55°	375.2	355.5	321.2	293.4	283.6
57.5°	344.4	323.5	290.4	263.2	254.7
60°	314.9	293.4	260.1	233.1	223.8
62.5°	283.6	263.2	229.4	204.8	195.6
65°	254.1	233.1	200.6	175.8	166.6
67.5°	224.4	203.7	172.2	148.9	141.6
70°	194.4	173.4	142.6	123.6	116.3
72.5°	164.9	144.6	116.3	99.0	94.8
75°	135.3	116.8	91.0	77.6	73.2
77.5°	105.1	90.4	68.8	58.5	54.8
80°	80.0	65.3	48.0	42.4	41.3
82.5°	55.3	42.4	32.1	30.0	29.5
85°	33.8	22.7	19.7	19.1	18.5
87.5°	14.3	9.8	9.2	9.2	8.6
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)