

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: P888441

Luminaire Tested: **DPT5-6FO36-61V60-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: P888441
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: DPT5-6FO36-61V60-F-XX-UDD_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

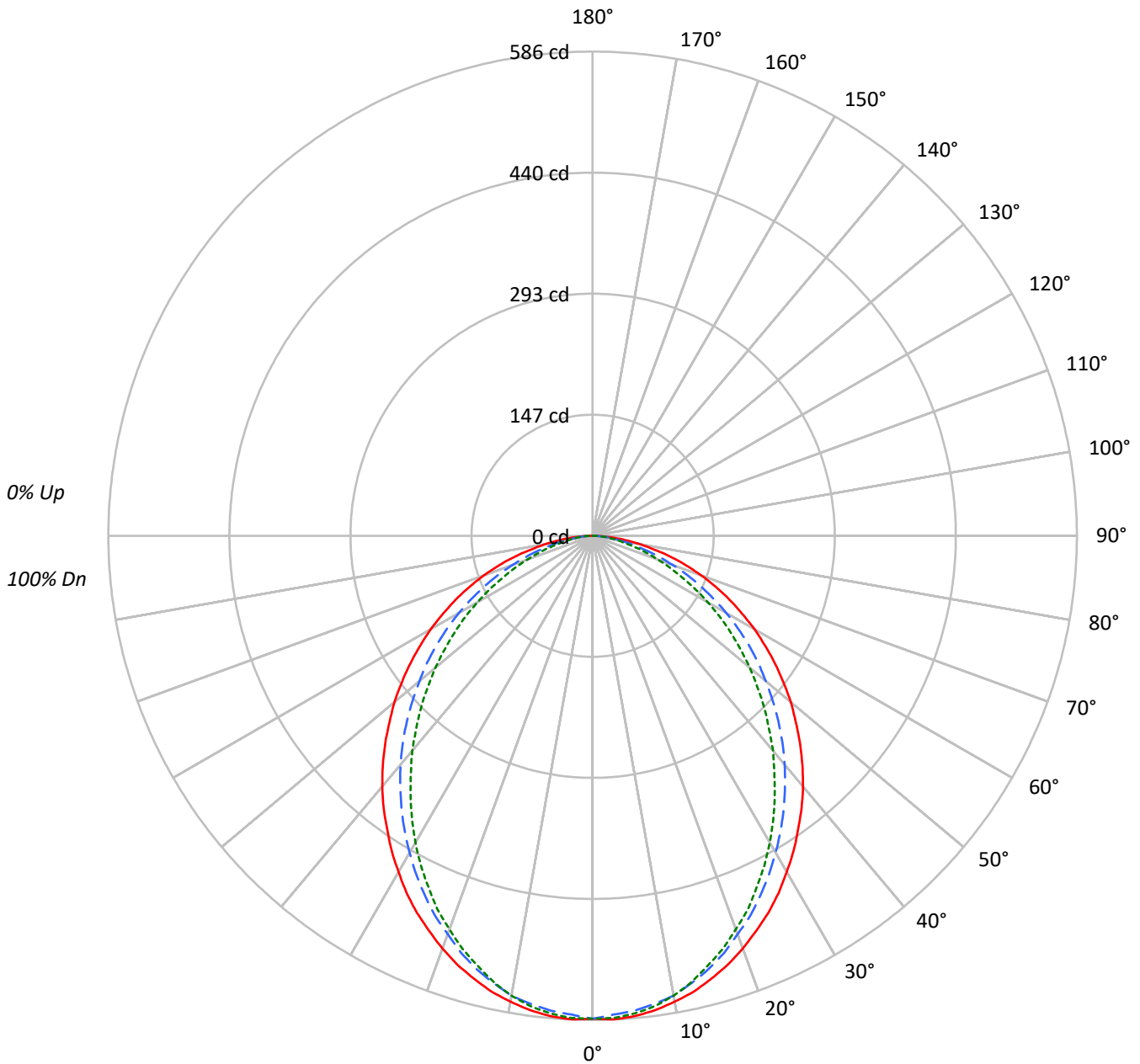
Lumens per Lamp: N/A
Luminaire Lumens: 1381.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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°	5559	5559	5559
5°	5572	5509	5542
10°	5530	5457	5457
15°	5465	5345	5303
20°	5379	5192	5129
25°	5280	5040	4929
30°	5158	4863	4708
35°	5033	4680	4459
40°	4916	4489	4215
45°	4773	4274	3949
50°	4631	4044	3671
55°	4465	3822	3376
60°	4299	3551	3057
65°	4105	3241	2691
70°	3879	2847	2319
75°	3568	2403	1933
80°	3144	1890	1621
85°	2641	1550	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	4.0
10°-20°	153.7	11.1
20°-30°	222.9	16.1
30°-40°	254.0	18.4
40°-50°	247.5	17.9
50°-60°	208.3	15.1
60°-70°	146.0	10.6
70°-80°	74.9	5.4
80°-90°	18.7	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°	431.7	31.3
0°-40°	685.6	49.6
0°-60°	1141.5	82.7
0°-90°	1381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	584	582	577	581	580	55
15°	555	552	543	542	539	156
25°	503	497	480	475	470	232
35°	434	423	403	390	384	271
45°	355	342	318	300	294	274
55°	269	255	230	211	204	241
65°	182	167	144	126	120	181
75°	97	84	65	56	53	103
85°	24	16	14	14	13	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	584.5	584.5	584.5	584.5	584.5
2.5°	585.9	584.5	580.1	584.5	584.1
5°	583.6	581.9	577.0	581.4	580.5
7.5°	579.2	577.4	571.7	575.2	574.4
10°	572.6	571.3	565.1	566.5	565.1
12.5°	565.1	563.3	554.4	555.3	553.2
15°	555.0	552.3	542.9	542.5	538.6
17.5°	544.3	540.4	529.3	527.1	524.0
20°	531.5	527.1	513.0	510.8	506.8
22.5°	517.4	513.0	498.1	493.2	490.0
25°	503.2	496.6	480.3	474.6	469.7
27.5°	487.4	479.4	462.2	454.7	449.9
30°	469.7	461.4	442.8	432.7	428.7
32.5°	452.5	442.4	423.4	411.9	406.7
35°	433.5	423.0	403.1	390.3	384.1
37.5°	415.4	402.6	382.3	367.4	361.1
40°	396.0	382.8	361.6	344.8	339.5
42.5°	375.6	362.0	339.9	324.0	315.6
45°	354.9	342.2	317.8	300.2	293.6
47.5°	333.2	320.1	295.7	277.7	270.2
50°	313.0	298.4	273.3	254.8	248.1
52.5°	290.9	276.0	252.5	232.2	225.5
55°	269.3	255.2	230.5	210.6	203.6
57.5°	247.2	232.2	208.4	188.9	182.8
60°	226.0	210.6	186.7	167.3	160.7
62.5°	203.6	188.9	164.7	147.0	140.4
65°	182.4	167.3	144.0	126.2	119.6
67.5°	161.1	146.2	123.6	106.9	101.6
70°	139.5	124.5	102.4	88.7	83.4
72.5°	118.3	103.8	83.4	71.1	68.1
75°	97.1	83.9	65.4	55.7	52.6
77.5°	75.4	64.9	49.4	42.0	39.3
80°	57.4	46.8	34.5	30.5	29.6
82.5°	39.7	30.5	23.0	21.5	21.2
85°	24.2	16.3	14.2	13.7	13.3
87.5°	10.2	7.0	6.6	6.6	6.1
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)