

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: P888431

Luminaire Tested: **DPT5-6FO36-37V60-F-XX-UDD_4500K**

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: P888431
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: DPT5-6FO36-37V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

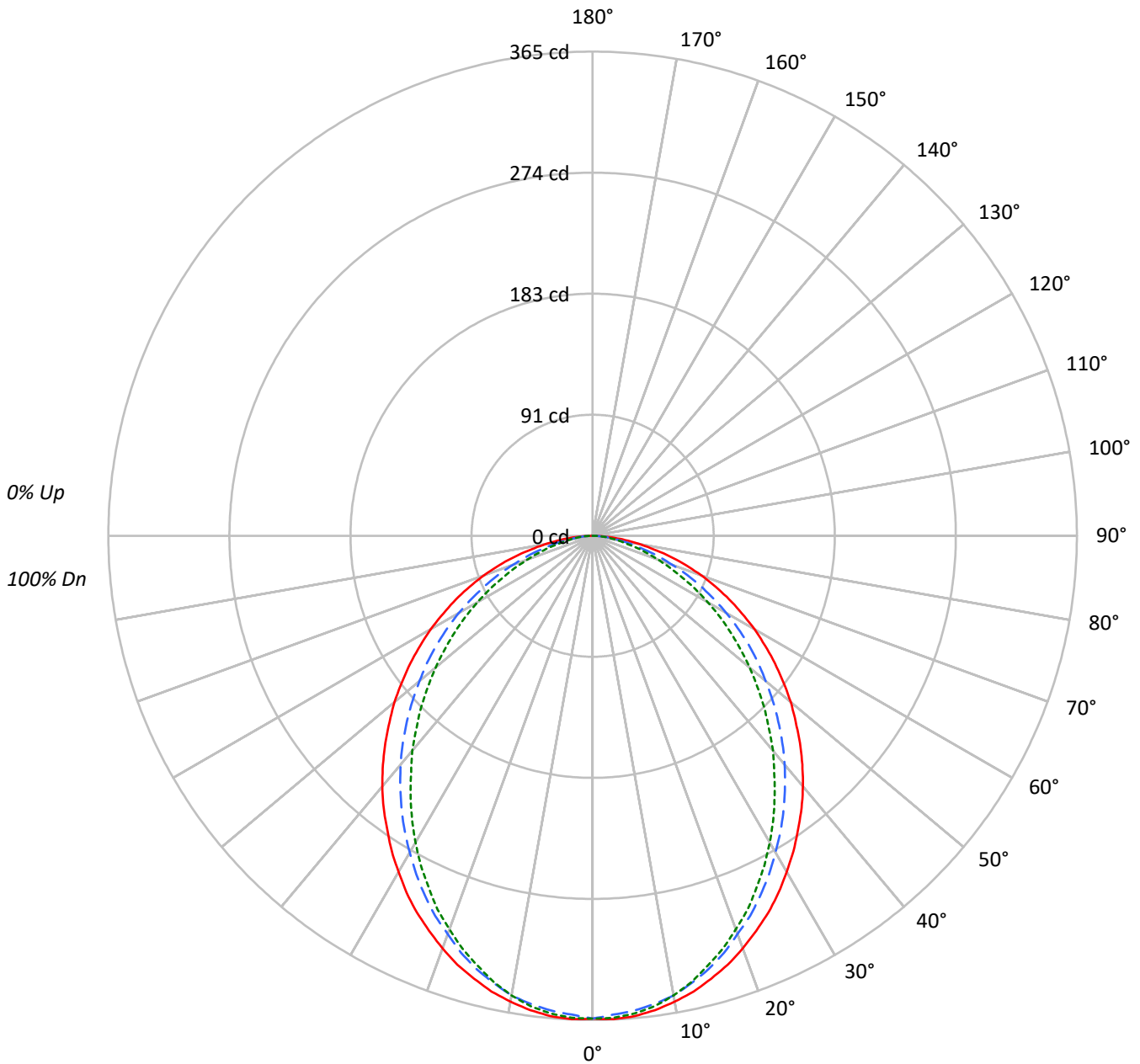
Lumens per Lamp: N/A
Luminaire Lumens: 860.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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

TEST NUMBER: P888431

CATALOG NUMBER: DPT5-6FO36-37V60-F-XX-UDD_4500K

Luminous Intensity Polar Plot





TEST NUMBER: P888431

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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°	3462	3462	3462
5°	3470	3430	3451
10°	3444	3398	3398
15°	3403	3329	3302
20°	3350	3233	3194
25°	3289	3139	3069
30°	3212	3028	2932
35°	3135	2914	2777
40°	3062	2796	2625
45°	2972	2662	2459
50°	2884	2518	2286
55°	2781	2381	2102
60°	2678	2212	1904
65°	2556	2019	1677
70°	2416	1771	1446
75°	2223	1496	1202
80°	1955	1178	1013
85°	1648	960	906



TEST NUMBER: P888431

CATALOG NUMBER: DPT5-6FO36-37V60-F-XX-UDD_4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	4.0
10°-20°	95.7	11.1
20°-30°	138.8	16.1
30°-40°	158.2	18.4
40°-50°	154.1	17.9
50°-60°	129.7	15.1
60°-70°	90.9	10.6
70°-80°	46.6	5.4
80°-90°	11.6	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°	268.8	31.3
0°-40°	427.0	49.6
0°-60°	710.9	82.7
0°-90°	860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	364	364	364	364	364	
5°	364	362	359	362	362	34
15°	346	344	338	338	335	97
25°	313	309	299	296	292	144
35°	270	263	251	243	239	169
45°	221	213	198	187	183	170
55°	168	159	144	131	127	150
65°	114	104	90	79	74	112
75°	60	52	41	35	33	64
85°	15	10	9	8	8	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	364.0	364.0	364.0	364.0	364.0
2.5°	364.8	364.0	361.3	364.0	363.7
5°	363.5	362.4	359.3	362.0	361.5
7.5°	360.7	359.6	356.0	358.2	357.7
10°	356.6	355.8	351.9	352.8	351.9
12.5°	351.9	350.8	345.3	345.8	344.5
15°	345.6	343.9	338.1	337.9	335.4
17.5°	339.0	336.5	329.6	328.3	326.3
20°	331.0	328.3	319.4	318.1	315.6
22.5°	322.2	319.4	310.2	307.1	305.1
25°	313.4	309.2	299.1	295.5	292.5
27.5°	303.5	298.5	287.8	283.2	280.2
30°	292.5	287.3	275.7	269.5	267.0
32.5°	281.8	275.5	263.7	256.5	253.3
35°	270.0	263.4	251.0	243.1	239.2
37.5°	258.7	250.7	238.1	228.8	224.8
40°	246.6	238.4	225.2	214.7	211.4
42.5°	233.9	225.4	211.6	201.8	196.5
45°	221.0	213.1	197.9	187.0	182.8
47.5°	207.5	199.3	184.2	172.9	168.2
50°	194.9	185.8	170.2	158.7	154.5
52.5°	181.1	171.9	157.2	144.6	140.4
55°	167.7	158.9	143.6	131.2	126.8
57.5°	154.0	144.6	129.8	117.7	113.8
60°	140.8	131.2	116.3	104.2	100.1
62.5°	126.8	117.7	102.6	91.5	87.4
65°	113.6	104.2	89.7	78.6	74.5
67.5°	100.3	91.0	77.0	66.6	63.3
70°	86.9	77.5	63.7	55.2	52.0
72.5°	73.7	64.6	52.0	44.3	42.4
75°	60.5	52.2	40.7	34.7	32.7
77.5°	47.0	40.4	30.8	26.2	24.5
80°	35.7	29.2	21.5	19.0	18.5
82.5°	24.7	19.0	14.3	13.4	13.2
85°	15.1	10.1	8.8	8.5	8.3
87.5°	6.4	4.4	4.1	4.1	3.8
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)