

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: P888541

Luminaire Tested: **DPT5-6FO55-37V60-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: P888541
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: DPT5-6FO55-37V60-F-XX-UDD_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

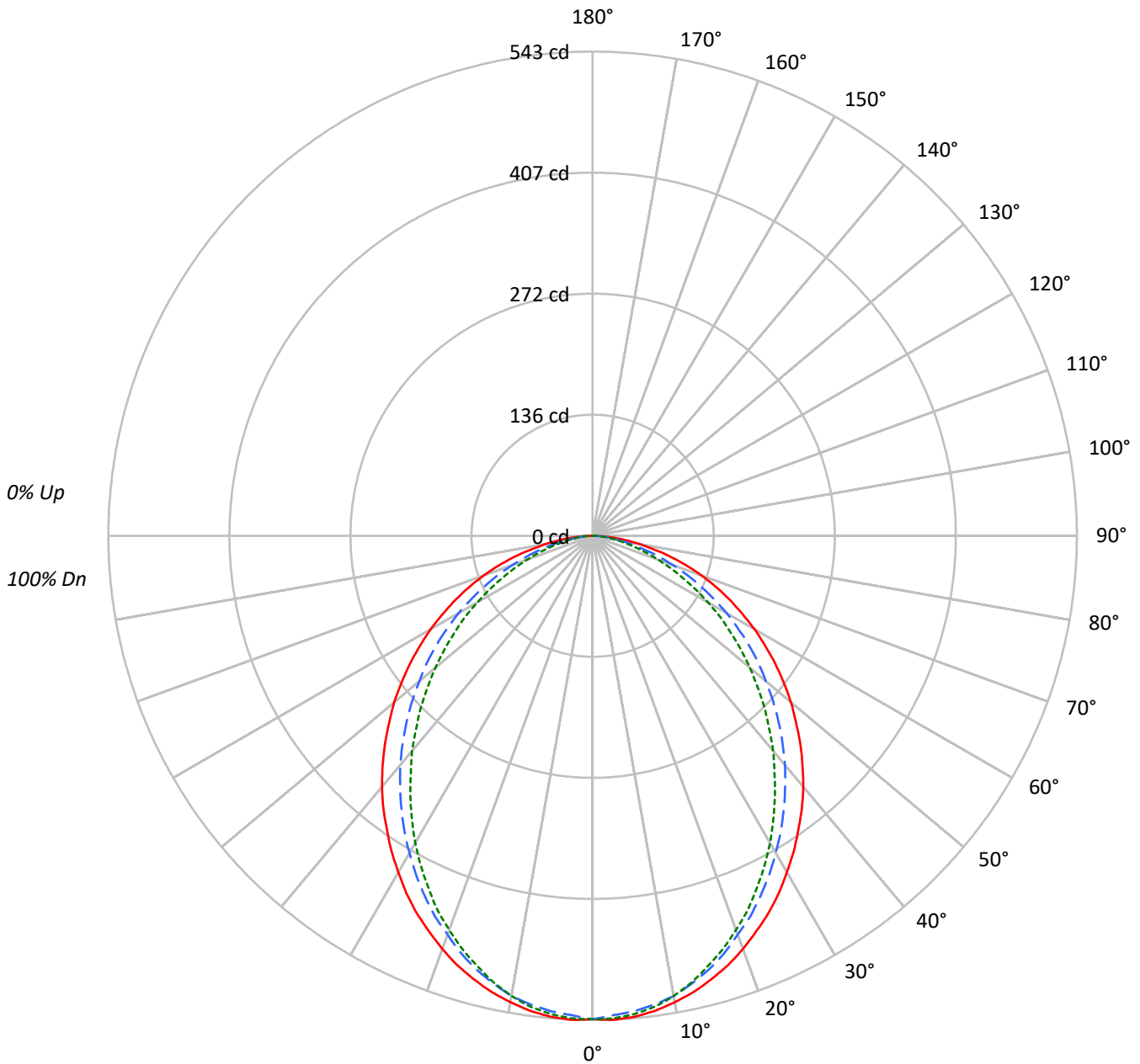
Lumens per Lamp: N/A
Luminaire Lumens: 1281.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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°	3463	3463	3463
5°	3471	3431	3452
10°	3444	3399	3399
15°	3404	3330	3303
20°	3351	3234	3195
25°	3289	3139	3070
30°	3213	3029	2933
35°	3135	2915	2778
40°	3063	2796	2625
45°	2973	2663	2459
50°	2884	2519	2287
55°	2781	2380	2102
60°	2678	2212	1903
65°	2557	2017	1676
70°	2416	1774	1445
75°	2223	1495	1204
80°	1957	1177	1011
85°	1649	960	901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	4.0
10°-20°	142.6	11.1
20°-30°	206.8	16.1
30°-40°	235.6	18.4
40°-50°	229.6	17.9
50°-60°	193.2	15.1
60°-70°	135.4	10.6
70°-80°	69.4	5.4
80°-90°	17.3	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°	400.4	31.3
0°-40°	636.0	49.6
0°-60°	1058.8	82.7
0°-90°	1281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	541	540	535	539	538	51
15°	515	512	504	503	500	145
25°	467	461	446	440	436	215
35°	402	392	374	362	356	252
45°	329	317	295	278	272	254
55°	250	237	214	195	189	223
65°	169	155	134	117	111	167
75°	90	78	61	52	49	95
85°	22	15	13	13	12	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	542.2	542.2	542.2	542.2	542.2
2.5°	543.4	542.2	538.1	542.2	541.8
5°	541.4	539.8	535.2	539.3	538.4
7.5°	537.3	535.6	530.3	533.6	532.8
10°	531.1	529.9	524.1	525.4	524.1
12.5°	524.1	522.5	514.3	515.1	513.1
15°	514.8	512.3	503.6	503.3	499.6
17.5°	504.9	501.3	490.9	489.0	486.1
20°	493.0	489.0	475.8	473.8	470.1
22.5°	479.9	475.8	462.0	457.4	454.5
25°	466.8	460.6	445.5	440.2	435.7
27.5°	452.1	444.7	428.7	421.8	417.3
30°	435.7	428.0	410.7	401.4	397.7
32.5°	419.7	410.4	392.7	382.1	377.2
35°	402.1	392.3	373.9	362.0	356.3
37.5°	385.4	373.4	354.6	340.8	334.9
40°	367.4	355.0	335.4	319.8	314.9
42.5°	348.4	335.8	315.2	300.6	292.8
45°	329.2	317.4	294.8	278.5	272.3
47.5°	309.1	296.9	274.3	257.6	250.6
50°	290.3	276.8	253.5	236.3	230.2
52.5°	269.8	256.0	234.2	215.4	209.2
55°	249.8	236.7	213.8	195.4	188.8
57.5°	229.3	215.4	193.3	175.2	169.5
60°	209.7	195.4	173.2	155.2	149.0
62.5°	188.8	175.2	152.8	136.4	130.2
65°	169.2	155.2	133.5	117.1	110.9
67.5°	149.4	135.6	114.6	99.1	94.3
70°	129.4	115.5	95.0	82.3	77.4
72.5°	109.8	96.2	77.4	65.9	63.1
75°	90.1	77.8	60.6	51.7	48.8
77.5°	70.0	60.2	45.8	39.0	36.5
80°	53.2	43.5	32.0	28.3	27.5
82.5°	36.8	28.3	21.3	20.0	19.7
85°	22.5	15.1	13.1	12.7	12.3
87.5°	9.5	6.5	6.2	6.2	5.7
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)