

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: P888533

Luminaire Tested: **DPT5-6FO55-37S27-F-XX-UDD**

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: P888533
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: DPT5-6FO55-37S27-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

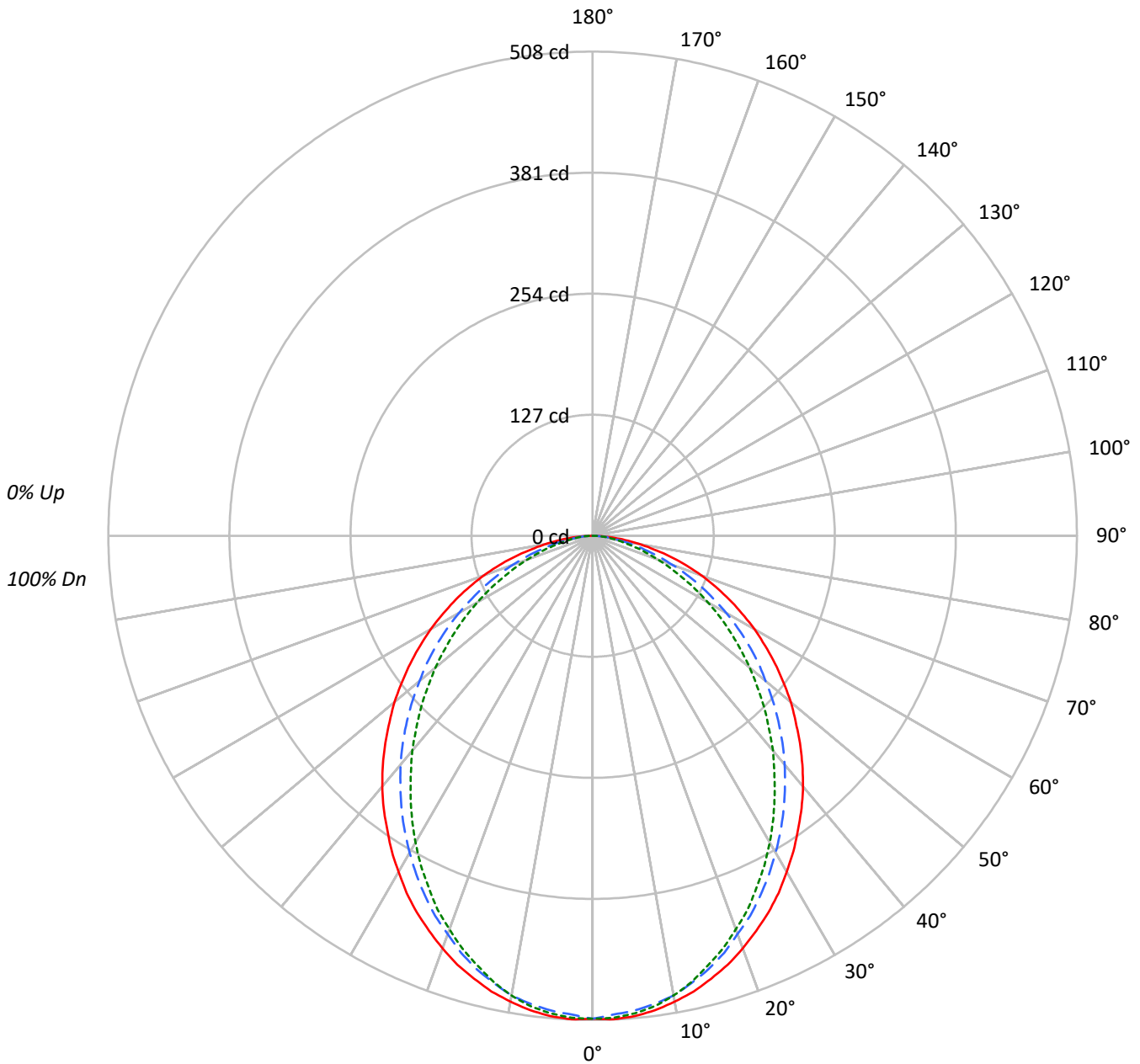
Lumens per Lamp: N/A
Luminaire Lumens: 1197.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	3236	3236	3236
5°	3243	3206	3225
10°	3218	3176	3176
15°	3180	3111	3086
20°	3131	3022	2986
25°	3074	2933	2869
30°	3002	2830	2740
35°	2930	2724	2595
40°	2862	2613	2454
45°	2778	2488	2299
50°	2695	2354	2137
55°	2600	2225	1965
60°	2502	2067	1779
65°	2389	1886	1566
70°	2259	1656	1350
75°	2078	1397	1125
80°	1832	1100	945
85°	1539	901	843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	4.0
10°-20°	133.3	11.1
20°-30°	193.2	16.1
30°-40°	220.1	18.4
40°-50°	214.6	17.9
50°-60°	180.6	15.1
60°-70°	126.5	10.6
70°-80°	64.9	5.4
80°-90°	16.2	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°	374.2	31.3
0°-40°	594.3	49.6
0°-60°	989.4	82.7
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	507	507	507	507	507	
5°	506	504	500	504	503	48
15°	481	479	471	470	467	136
25°	436	430	416	411	407	201
35°	376	367	349	338	333	235
45°	308	297	276	260	254	237
55°	234	221	200	183	176	209
65°	158	145	125	109	104	157
75°	84	73	57	48	46	89
85°	21	14	12	12	12	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	506.7	506.7	506.7	506.7	506.7
2.5°	507.8	506.7	502.8	506.7	506.2
5°	505.9	504.4	500.1	503.9	503.1
7.5°	502.1	500.5	495.5	498.6	497.9
10°	496.3	495.2	489.8	491.0	489.8
12.5°	489.8	488.2	480.5	481.3	479.5
15°	481.0	478.7	470.6	470.3	466.8
17.5°	471.8	468.4	458.8	456.9	454.2
20°	460.7	456.9	444.6	442.7	439.3
22.5°	448.5	444.6	431.7	427.5	424.7
25°	436.2	430.4	416.3	411.3	407.1
27.5°	422.5	415.5	400.6	394.2	390.0
30°	407.1	399.9	383.8	375.1	371.6
32.5°	392.2	383.4	367.0	357.0	352.5
35°	375.8	366.6	349.4	338.3	332.9
37.5°	360.1	348.9	331.3	318.4	313.0
40°	343.3	331.8	313.4	298.8	294.3
42.5°	325.6	313.7	294.6	280.9	273.6
45°	307.6	296.6	275.5	260.2	254.5
47.5°	288.8	277.5	256.3	240.7	234.2
50°	271.3	258.7	236.9	220.8	215.1
52.5°	252.1	239.2	218.8	201.2	195.5
55°	233.5	221.2	199.8	182.6	176.5
57.5°	214.3	201.2	180.6	163.8	158.4
60°	195.9	182.6	161.8	145.0	139.3
62.5°	176.5	163.8	142.7	127.4	121.7
65°	158.1	145.0	124.8	109.4	103.6
67.5°	139.6	126.7	107.1	92.6	88.1
70°	121.0	107.9	88.7	76.9	72.3
72.5°	102.6	89.9	72.3	61.6	59.0
75°	84.2	72.7	56.6	48.3	45.6
77.5°	65.4	56.2	42.8	36.4	34.1
80°	49.8	40.6	29.9	26.4	25.7
82.5°	34.4	26.4	19.9	18.7	18.4
85°	21.0	14.1	12.3	11.9	11.5
87.5°	8.9	6.1	5.7	5.7	5.3
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)