

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: P888534

Luminaire Tested: **DPT5-6FO55-37S30-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: P888534
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: DPT5-6FO55-37S30-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

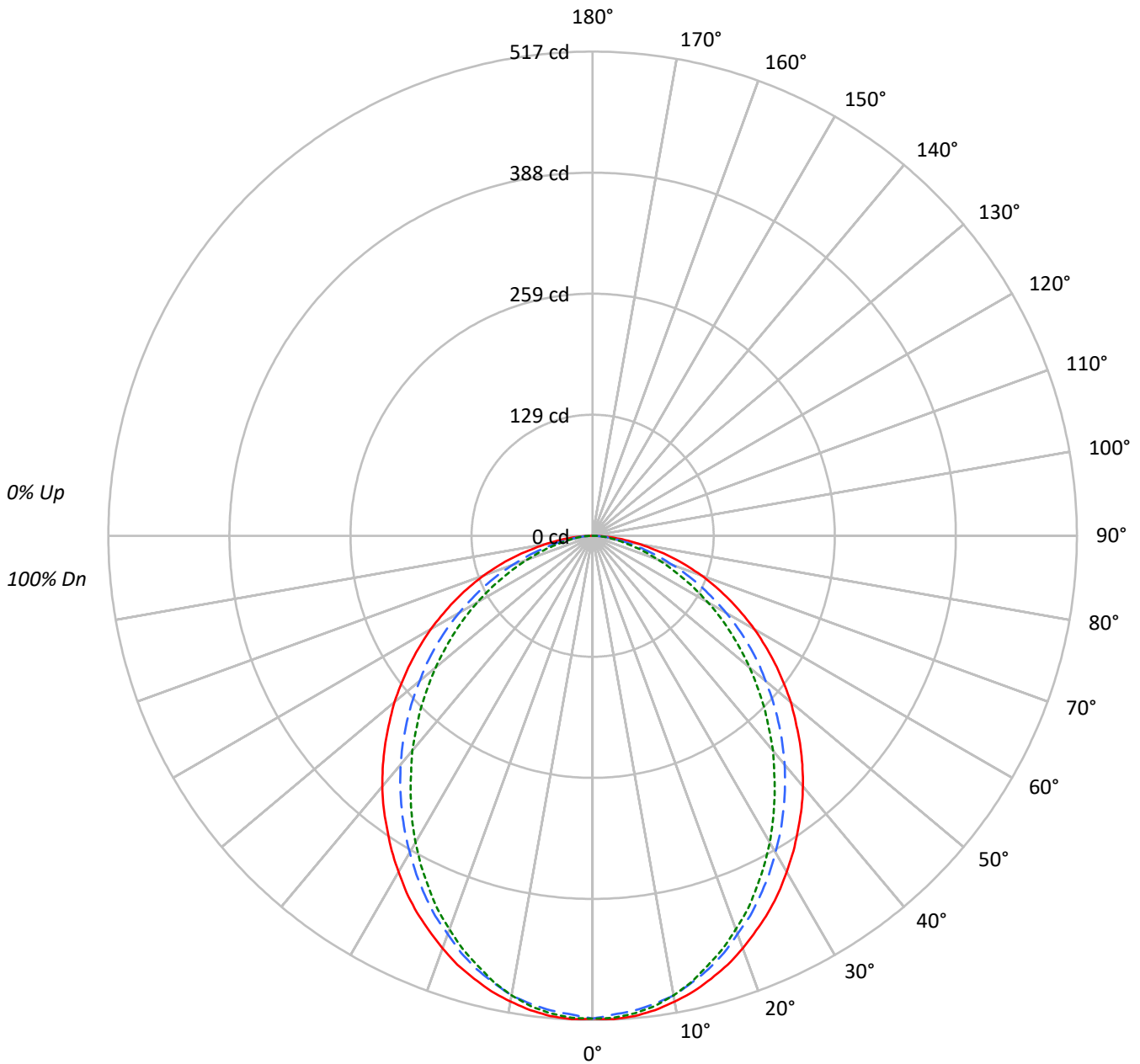
Lumens per Lamp: N/A
Luminaire Lumens: 1218.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	3293	3293	3293
5°	3300	3262	3282
10°	3275	3232	3232
15°	3236	3166	3141
20°	3186	3075	3038
25°	3127	2985	2919
30°	3055	2880	2788
35°	2981	2772	2641
40°	2912	2659	2497
45°	2827	2532	2338
50°	2743	2394	2174
55°	2645	2264	2000
60°	2546	2104	1810
65°	2430	1919	1594
70°	2299	1686	1374
75°	2115	1421	1145
80°	1861	1118	960
85°	1568	916	857



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	4.0
10°-20°	135.6	11.1
20°-30°	196.6	16.1
30°-40°	224.0	18.4
40°-50°	218.3	17.9
50°-60°	183.7	15.1
60°-70°	128.8	10.6
70°-80°	66.0	5.4
80°-90°	16.5	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°	380.7	31.3
0°-40°	604.7	49.6
0°-60°	1006.8	82.7
0°-90°	1218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	515	513	509	513	512	49
15°	490	487	479	478	475	138
25°	444	438	424	419	414	204
35°	382	373	356	344	339	239
45°	313	302	280	265	259	241
55°	238	225	203	186	180	212
65°	161	148	127	111	106	159
75°	86	74	58	49	46	91
85°	21	14	12	12	12	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	515.6	515.6	515.6	515.6	515.6
2.5°	516.7	515.6	511.7	515.6	515.1
5°	514.8	513.2	508.9	512.7	511.9
7.5°	510.9	509.3	504.2	507.3	506.6
10°	505.0	503.9	498.4	499.6	498.4
12.5°	498.4	496.8	489.0	489.8	487.9
15°	489.5	487.1	478.9	478.5	475.0
17.5°	480.1	476.6	466.8	464.9	462.2
20°	468.8	464.9	452.4	450.5	447.0
22.5°	456.3	452.4	439.3	434.9	432.1
25°	443.8	438.0	423.6	418.6	414.3
27.5°	429.9	422.8	407.6	401.1	396.8
30°	414.3	406.9	390.5	381.6	378.1
32.5°	399.1	390.2	373.4	363.3	358.7
35°	382.4	373.1	355.5	344.2	338.7
37.5°	366.4	355.1	337.2	324.0	318.4
40°	349.3	337.6	318.9	304.1	299.5
42.5°	331.3	319.2	299.7	285.8	278.4
45°	313.0	301.8	280.3	264.8	258.9
47.5°	293.9	282.3	260.8	244.9	238.3
50°	276.1	263.2	241.0	224.7	218.8
52.5°	256.5	243.4	222.7	204.8	198.9
55°	237.6	225.1	203.3	185.8	179.6
57.5°	218.1	204.8	183.8	166.6	161.2
60°	199.3	185.8	164.7	147.6	141.7
62.5°	179.6	166.6	145.2	129.6	123.8
65°	160.8	147.6	127.0	111.3	105.5
67.5°	142.1	128.9	109.0	94.3	89.6
70°	123.1	109.8	90.3	78.2	73.6
72.5°	104.4	91.5	73.6	62.7	60.0
75°	85.7	74.0	57.6	49.1	46.4
77.5°	66.5	57.2	43.6	37.1	34.7
80°	50.6	41.3	30.4	26.9	26.1
82.5°	35.0	26.9	20.3	19.0	18.7
85°	21.4	14.4	12.5	12.1	11.7
87.5°	9.0	6.2	5.9	5.9	5.4
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)