

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: P888547

Luminaire Tested: **DPT5-6FO55-61S40-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: P888547
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: DPT5-6FO55-61S40-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

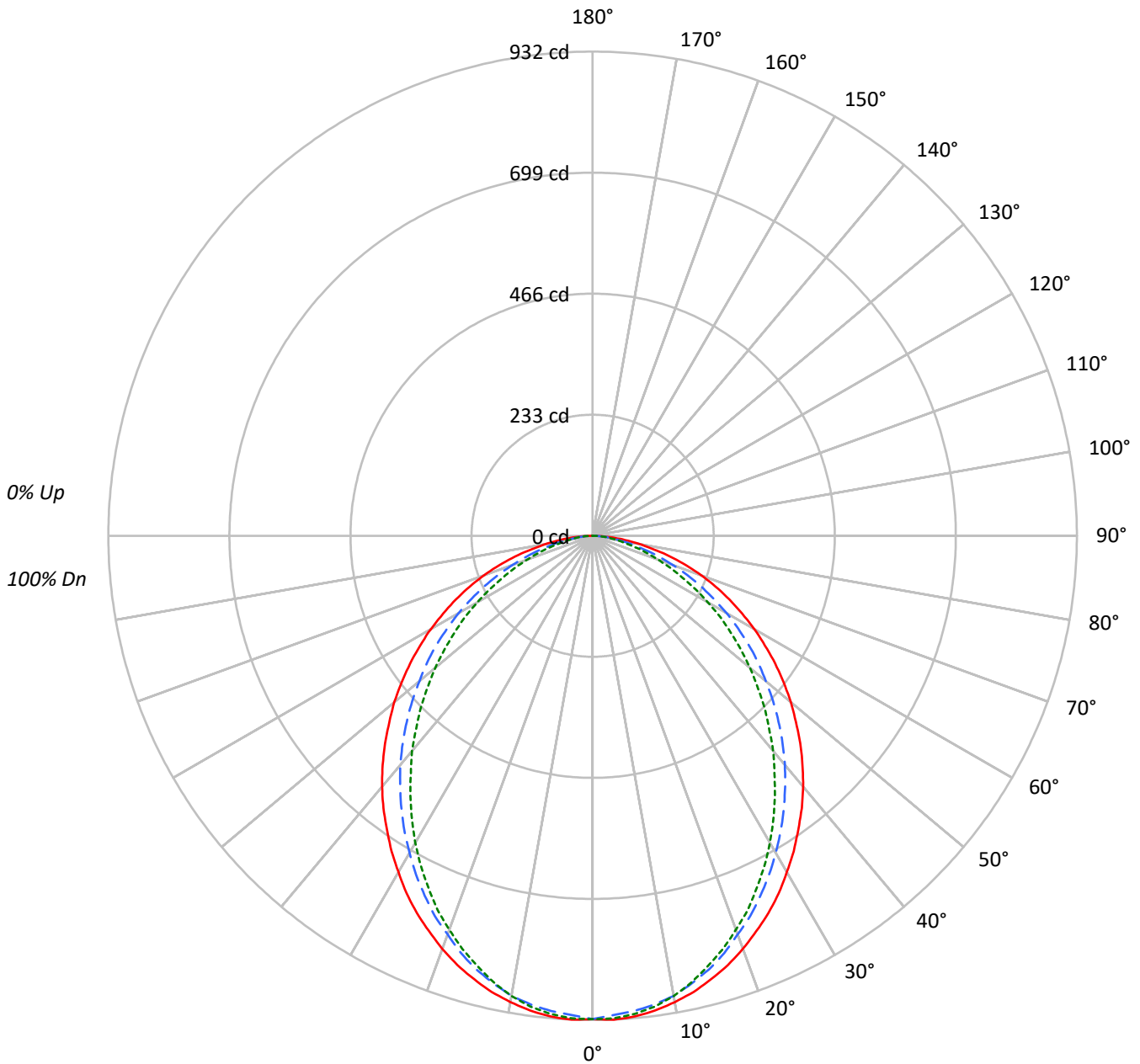
Lumens per Lamp: N/A
Luminaire Lumens: 2198.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	5942	5942	5942
5°	5955	5888	5923
10°	5910	5832	5832
15°	5840	5714	5667
20°	5749	5549	5482
25°	5644	5386	5268
30°	5513	5197	5031
35°	5379	5001	4766
40°	5255	4798	4505
45°	5102	4569	4220
50°	4950	4321	3923
55°	4773	4085	3607
60°	4594	3796	3266
65°	4387	3462	2876
70°	4147	3042	2480
75°	3815	2566	2065
80°	3361	2019	1736
85°	2828	1649	1546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	4.0
10°-20°	244.7	11.1
20°-30°	354.8	16.1
30°-40°	404.2	18.4
40°-50°	394.0	17.9
50°-60°	331.6	15.1
60°-70°	232.4	10.6
70°-80°	119.1	5.4
80°-90°	29.7	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°	687.0	31.3
0°-40°	1091.3	49.6
0°-60°	1816.8	82.7
0°-90°	2198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	929	926	918	925	924	88
15°	883	879	864	864	857	249
25°	801	790	764	755	748	369
35°	690	673	642	621	611	432
45°	565	545	506	478	467	436
55°	429	406	367	335	324	383
65°	290	266	229	201	190	287
75°	155	134	104	89	84	163
85°	39	26	22	22	21	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.4	930.4	930.4	930.4	930.4
2.5°	932.5	930.4	923.3	930.4	929.6
5°	928.9	926.2	918.4	925.3	923.9
7.5°	921.9	919.0	909.9	915.5	914.2
10°	911.3	909.3	899.3	901.6	899.3
12.5°	899.3	896.5	882.4	883.8	880.4
15°	883.3	879.0	864.2	863.5	857.2
17.5°	866.4	860.1	842.4	839.0	834.0
20°	845.9	839.0	816.5	812.9	806.7
22.5°	823.5	816.5	792.7	784.9	779.8
25°	800.9	790.4	764.4	755.3	747.6
27.5°	775.8	763.0	735.6	723.8	716.1
30°	747.6	734.3	704.7	688.7	682.3
32.5°	720.1	704.1	673.9	655.6	647.3
35°	690.0	673.2	641.5	621.2	611.3
37.5°	661.2	640.8	608.4	584.7	574.7
40°	630.3	609.2	575.5	548.7	540.4
42.5°	597.9	576.1	540.9	515.8	502.3
45°	564.9	544.7	505.9	477.8	467.3
47.5°	530.4	509.5	470.7	442.0	430.0
50°	498.2	475.0	434.9	405.5	394.9
52.5°	463.0	439.2	401.8	369.5	359.0
55°	428.7	406.1	366.9	335.2	324.0
57.5°	393.5	369.5	331.7	300.7	290.9
60°	359.7	335.2	297.2	266.3	255.7
62.5°	324.0	300.7	262.1	234.0	223.4
65°	290.3	266.3	229.1	200.9	190.3
67.5°	256.4	232.7	196.7	170.1	161.8
70°	222.1	198.1	162.9	141.2	132.8
72.5°	188.3	165.1	132.8	113.1	108.3
75°	154.6	133.5	104.0	88.6	83.7
77.5°	120.0	103.2	78.6	66.9	62.6
80°	91.4	74.6	54.9	48.5	47.2
82.5°	63.2	48.5	36.6	34.3	33.8
85°	38.6	25.9	22.5	21.8	21.1
87.5°	16.3	11.2	10.6	10.6	9.8
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)