

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: P888434

Luminaire Tested: **DPT5-6FO36-61S27-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: P888434
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: DPT5-6FO36-61S27-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

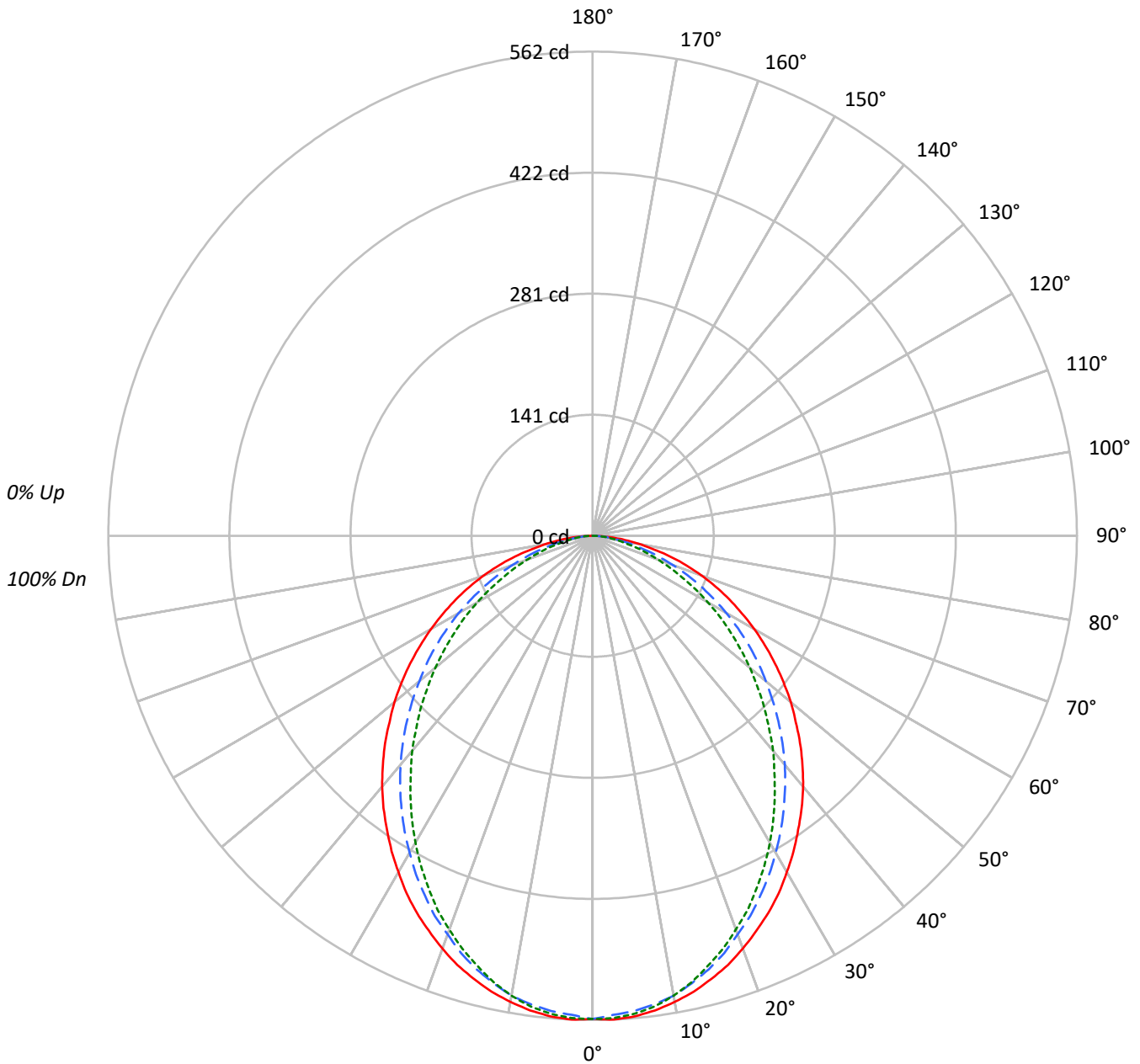
Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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°	5334	5334	5334
5°	5346	5285	5317
10°	5306	5235	5235
15°	5243	5129	5088
20°	5161	4982	4922
25°	5066	4836	4730
30°	4950	4665	4517
35°	4830	4490	4278
40°	4718	4307	4045
45°	4580	4101	3789
50°	4443	3879	3523
55°	4285	3668	3238
60°	4126	3407	2933
65°	3938	3108	2581
70°	3723	2731	2227
75°	3425	2304	1852
80°	3018	1813	1555
85°	2543	1484	1386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	4.0
10°-20°	147.5	11.1
20°-30°	213.9	16.1
30°-40°	243.7	18.4
40°-50°	237.5	17.9
50°-60°	199.9	15.1
60°-70°	140.1	10.6
70°-80°	71.8	5.4
80°-90°	17.9	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°	414.2	31.3
0°-40°	657.8	49.6
0°-60°	1095.2	82.7
0°-90°	1325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	561	561	561	561	561	
5°	560	558	554	558	557	53
15°	532	530	521	520	517	150
25°	483	476	461	455	451	222
35°	416	406	387	374	368	260
45°	340	328	305	288	282	263
55°	258	245	221	202	195	231
65°	175	160	138	121	115	173
75°	93	80	63	53	50	98
85°	23	16	14	13	13	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	560.8	560.8	560.8	560.8	560.8
2.5°	562.1	560.8	556.6	560.8	560.4
5°	560.0	558.3	553.6	557.8	556.9
7.5°	555.7	554.0	548.5	551.9	551.1
10°	549.4	548.1	542.1	543.5	542.1
12.5°	542.1	540.4	531.9	532.8	530.8
15°	532.5	529.9	520.9	520.5	516.8
17.5°	522.3	518.5	507.8	505.8	502.8
20°	509.9	505.8	492.2	490.1	486.3
22.5°	496.4	492.2	477.9	473.2	470.1
25°	482.8	476.5	460.8	455.3	450.7
27.5°	467.7	460.0	443.5	436.3	431.7
30°	450.7	442.7	424.8	415.2	411.3
32.5°	434.1	424.4	406.2	395.2	390.2
35°	416.0	405.8	386.7	374.5	368.5
37.5°	398.6	386.3	366.8	352.5	346.4
40°	380.0	367.2	346.9	330.8	325.8
42.5°	360.4	347.3	326.1	310.9	302.8
45°	340.5	328.4	304.9	288.0	281.7
47.5°	319.7	307.1	283.7	266.4	259.2
50°	300.3	286.3	262.2	244.4	238.1
52.5°	279.1	264.8	242.2	222.8	216.4
55°	258.4	244.8	221.2	202.1	195.3
57.5°	237.2	222.8	200.0	181.3	175.4
60°	216.9	202.1	179.1	160.5	154.2
62.5°	195.3	181.3	158.0	141.0	134.7
65°	175.0	160.5	138.1	121.1	114.7
67.5°	154.6	140.3	118.6	102.5	97.5
70°	133.9	119.4	98.2	85.1	80.1
72.5°	113.5	99.6	80.1	68.2	65.3
75°	93.2	80.5	62.7	53.4	50.4
77.5°	72.4	62.2	47.4	40.3	37.7
80°	55.1	44.9	33.1	29.2	28.4
82.5°	38.1	29.2	22.1	20.7	20.4
85°	23.3	15.6	13.6	13.1	12.7
87.5°	9.8	6.8	6.4	6.4	5.9
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)