

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: P888403

Luminaire Tested: **DPT5-6FO36-109S35-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: P888403
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: DPT5-6FO36-109S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

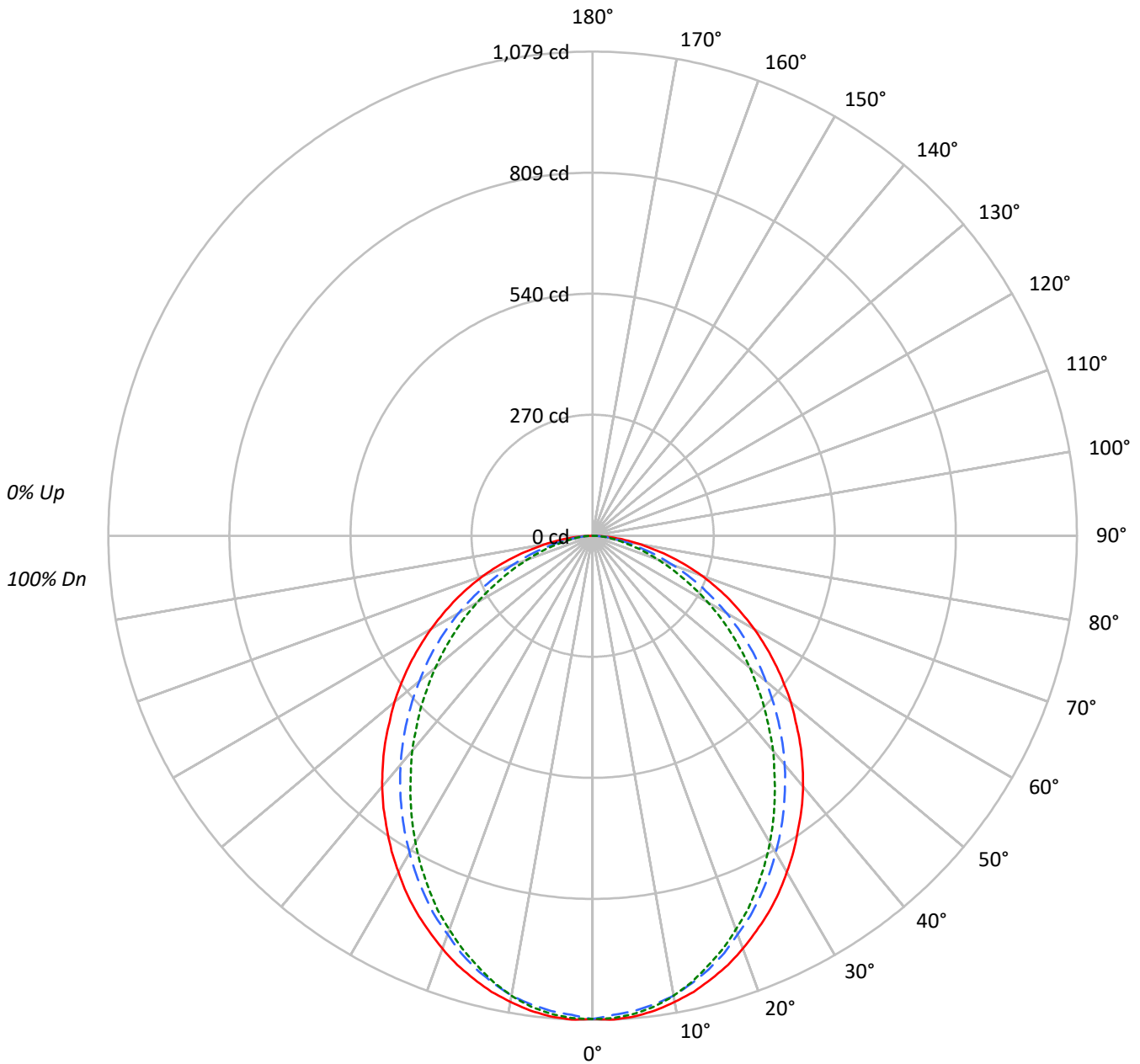
Lumens per Lamp: N/A
Luminaire Lumens: 2544.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
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°	10241	10241	10241
5°	10265	10147	10208
10°	10186	10052	10052
15°	10067	9848	9769
20°	9909	9564	9450
25°	9728	9285	9080
30°	9503	8958	8672
35°	9272	8621	8214
40°	9057	8268	7766
45°	8794	7875	7274
50°	8531	7448	6763
55°	8228	7042	6218
60°	7920	6543	5630
65°	7561	5968	4958
70°	7149	5244	4274
75°	6574	4424	3561
80°	5795	3478	2990
85°	4878	2848	2663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	4.0
10°-20°	283.2	11.1
20°-30°	410.6	16.1
30°-40°	467.8	18.4
40°-50°	456.0	17.9
50°-60°	383.8	15.1
60°-70°	268.9	10.6
70°-80°	137.9	5.4
80°-90°	34.4	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°	795.2	31.3
0°-40°	1263.0	49.6
0°-60°	2102.8	82.7
0°-90°	2544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1075	1072	1063	1071	1069	102
15°	1022	1017	1000	999	992	288
25°	927	915	885	874	865	427
35°	799	779	742	719	708	500
45°	654	630	586	553	541	504
55°	496	470	425	388	375	444
65°	336	308	265	232	220	333
75°	179	154	120	103	97	189
85°	45	30	26	25	24	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1079.2	1076.8	1068.7	1076.8	1075.9
5°	1075.2	1072.0	1062.9	1070.9	1069.3
7.5°	1067.0	1063.7	1053.1	1059.6	1058.1
10°	1054.8	1052.4	1040.9	1043.5	1040.9
12.5°	1040.9	1037.6	1021.3	1023.0	1019.0
15°	1022.4	1017.4	1000.2	999.4	992.2
17.5°	1002.8	995.5	975.0	971.1	965.3
20°	979.1	971.1	945.0	940.9	933.7
22.5°	953.1	945.0	917.5	908.5	902.6
25°	927.0	914.8	884.8	874.2	865.3
27.5°	897.9	883.1	851.4	837.7	828.8
30°	865.3	849.9	815.7	797.1	789.7
32.5°	833.5	814.9	779.9	758.8	749.2
35°	798.6	779.2	742.5	719.0	707.5
37.5°	765.3	741.6	704.2	676.7	665.1
40°	729.5	705.1	666.0	635.1	625.5
42.5°	692.0	666.8	626.1	596.9	581.4
45°	653.8	630.4	585.5	553.0	540.8
47.5°	613.8	589.7	544.7	511.6	497.7
50°	576.6	549.7	503.4	469.3	457.1
52.5°	535.8	508.4	465.1	427.7	415.5
55°	496.2	470.1	424.7	388.0	375.0
57.5°	455.4	427.7	383.9	348.0	336.7
60°	416.4	388.0	344.0	308.2	296.0
62.5°	375.0	348.0	303.4	270.8	258.6
65°	336.0	308.2	265.2	232.5	220.3
67.5°	296.7	269.3	227.6	196.9	187.2
70°	257.1	229.3	188.6	163.4	153.7
72.5°	218.0	191.1	153.7	130.9	125.4
75°	178.9	154.5	120.4	102.6	96.9
77.5°	138.9	119.5	91.0	77.4	72.4
80°	105.8	86.3	63.5	56.1	54.6
82.5°	73.2	56.1	42.4	39.7	39.1
85°	44.7	30.0	26.1	25.2	24.4
87.5°	18.9	13.0	12.2	12.2	11.3
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)