

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: P888282

Luminaire Tested: **DPT5-6FO55-85S35-A-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: P888282
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: DPT5-6FO55-85S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

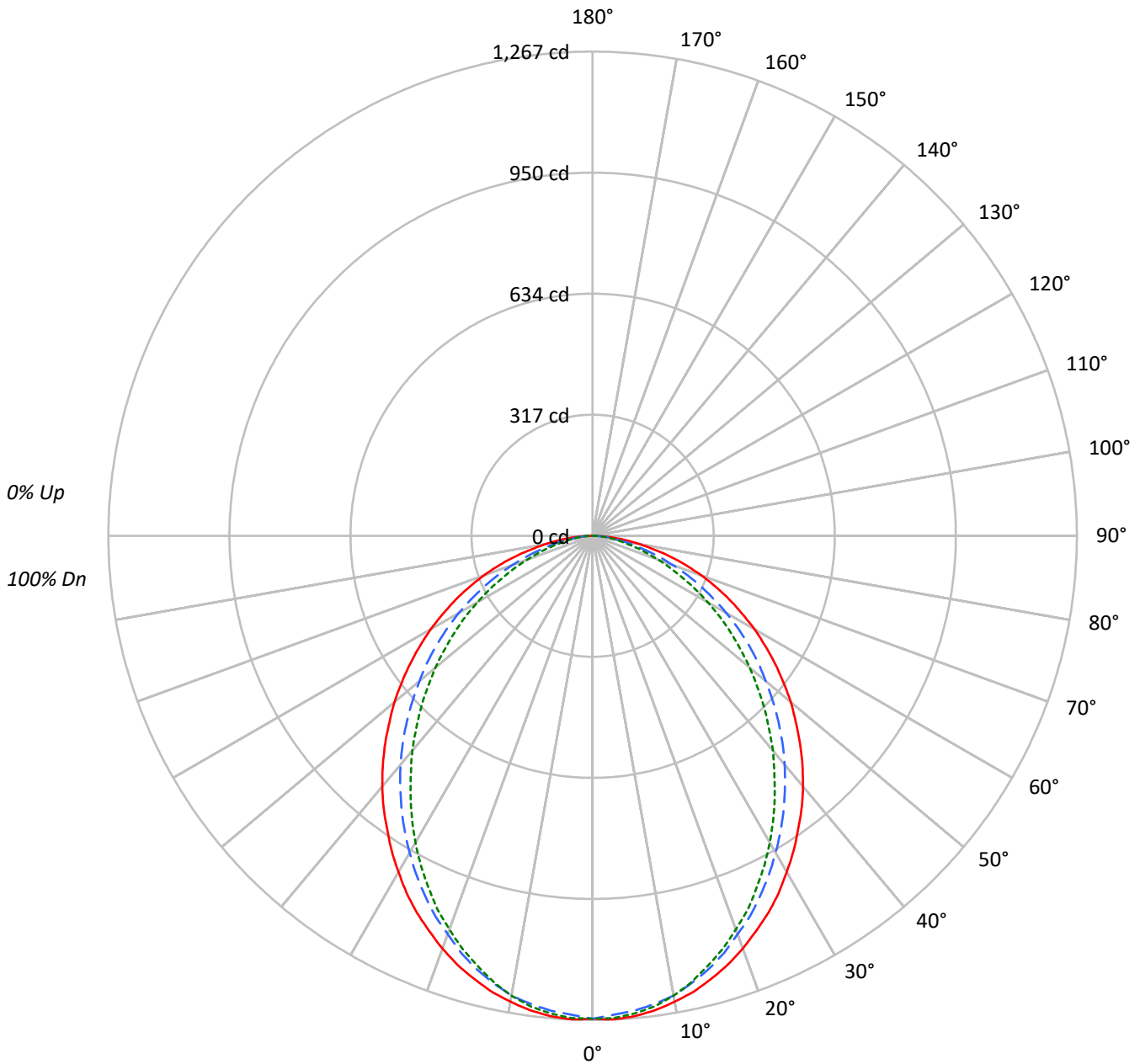
Lumens per Lamp: N/A
Luminaire Lumens: 2986.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 30.1
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°	8072	8072	8072
5°	8090	7998	8046
10°	8029	7923	7923
15°	7934	7762	7700
20°	7810	7538	7448
25°	7667	7318	7157
30°	7490	7060	6836
35°	7308	6794	6475
40°	7139	6518	6120
45°	6931	6207	5733
50°	6724	5871	5330
55°	6485	5549	4901
60°	6242	5156	4437
65°	5958	4704	3906
70°	5633	4132	3368
75°	5182	3487	2806
80°	4564	2740	2357
85°	3840	2242	2103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	4.0
10°-20°	332.4	11.1
20°-30°	482.0	16.1
30°-40°	549.1	18.4
40°-50°	535.2	17.9
50°-60°	450.4	15.1
60°-70°	315.7	10.6
70°-80°	161.8	5.4
80°-90°	40.4	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°	933.4	31.3
0°-40°	1482.5	49.6
0°-60°	2468.2	82.7
0°-90°	2986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2986.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1262	1258	1248	1257	1255	120
15°	1200	1194	1174	1173	1165	338
25°	1088	1074	1038	1026	1016	501
35°	937	915	872	844	830	587
45°	767	740	687	649	635	592
55°	582	552	498	455	440	521
65°	394	362	311	273	258	390
75°	210	181	141	120	114	222
85°	52	35	31	30	29	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.9	1263.9	1263.9	1263.9	1263.9
2.5°	1266.7	1263.9	1254.4	1263.9	1262.9
5°	1262.0	1258.2	1247.6	1257.0	1255.1
7.5°	1252.4	1248.5	1236.1	1243.7	1242.0
10°	1238.1	1235.2	1221.8	1224.8	1221.8
12.5°	1221.8	1217.9	1198.8	1200.7	1196.1
15°	1200.0	1194.1	1174.0	1173.1	1164.6
17.5°	1177.0	1168.5	1144.4	1139.8	1133.1
20°	1149.2	1139.8	1109.2	1104.4	1095.9
22.5°	1118.7	1109.2	1076.9	1066.3	1059.4
25°	1088.1	1073.7	1038.5	1026.1	1015.7
27.5°	1053.9	1036.6	999.4	983.3	972.8
30°	1015.7	997.6	957.4	935.6	927.0
32.5°	978.3	956.5	915.4	890.7	879.3
35°	937.4	914.6	871.5	843.9	830.5
37.5°	898.3	870.5	826.6	794.3	780.7
40°	856.3	827.6	781.8	745.5	734.1
42.5°	812.2	782.6	734.8	700.7	682.4
45°	767.4	740.0	687.2	649.1	634.8
47.5°	720.5	692.2	639.4	600.4	584.1
50°	676.8	645.2	590.9	550.9	536.5
52.5°	628.9	596.7	545.9	502.0	487.6
55°	582.4	551.7	498.4	455.4	440.2
57.5°	534.6	502.0	450.6	408.5	395.2
60°	488.7	455.4	403.7	361.8	347.4
62.5°	440.2	408.5	356.1	317.8	303.5
65°	394.3	361.8	311.3	272.9	258.5
67.5°	348.3	316.1	267.2	231.1	219.7
70°	301.7	269.1	221.3	191.8	180.4
72.5°	255.9	224.3	180.4	153.7	147.1
75°	210.0	181.3	141.3	120.4	113.7
77.5°	163.1	140.2	106.8	90.8	85.0
80°	124.1	101.3	74.5	65.9	64.1
82.5°	85.9	65.9	49.8	46.6	45.9
85°	52.4	35.2	30.6	29.6	28.7
87.5°	22.1	15.2	14.3	14.3	13.3
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)