

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: P888260

Luminaire Tested: **DPT5-6FO55-37S35-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: P888260
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: DPT5-6FO55-37S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

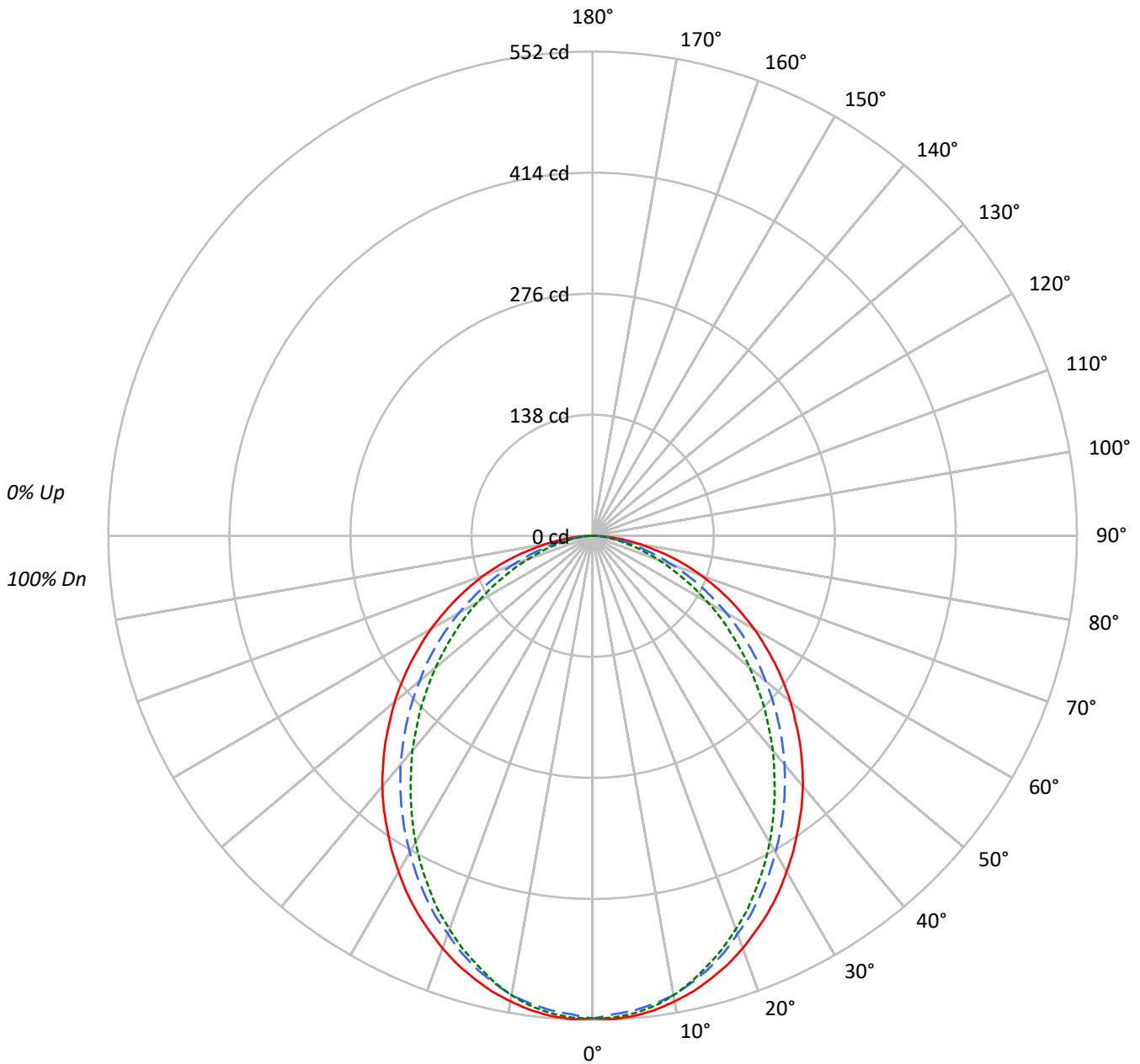
Lumens per Lamp: N/A
Luminaire Lumens: 1300.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P888260

CATALOG NUMBER: DPT5-6FO55-37S35-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888260

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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°	3514	3514	3514
5°	3522	3482	3503
10°	3495	3449	3449
15°	3454	3379	3352
20°	3400	3282	3242
25°	3338	3186	3116
30°	3261	3074	2976
35°	3182	2958	2818
40°	3108	2837	2664
45°	3017	2702	2496
50°	2927	2555	2321
55°	2823	2416	2133
60°	2718	2245	1931
65°	2595	2048	1702
70°	2454	1800	1468
75°	2255	1518	1221
80°	1986	1195	1026
85°	1671	975	916



TEST NUMBER: P888260

CATALOG NUMBER: DPT5-6FO55-37S35-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	4.0
10°-20°	144.7	11.1
20°-30°	209.8	16.1
30°-40°	239.1	18.4
40°-50°	233.0	17.9
50°-60°	196.1	15.1
60°-70°	137.4	10.6
70°-80°	70.5	5.4
80°-90°	17.6	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°	406.3	31.3
0°-40°	645.4	49.6
0°-60°	1074.5	82.7
0°-90°	1300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	549	548	543	547	546	52
15°	522	520	511	511	507	147
25°	474	468	452	447	442	218
35°	408	398	379	367	362	256
45°	334	322	299	283	276	258
55°	254	240	217	198	192	227
65°	172	158	136	119	113	170
75°	91	79	62	52	50	97
85°	23	15	13	13	12	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	550.3	550.3	550.3	550.3	550.3
2.5°	551.5	550.3	546.1	550.3	549.8
5°	549.4	547.8	543.2	547.3	546.4
7.5°	545.3	543.6	538.2	541.5	540.7
10°	539.0	537.8	531.9	533.2	531.9
12.5°	531.9	530.2	521.9	522.7	520.7
15°	522.4	519.9	511.1	510.7	507.0
17.5°	512.4	508.7	498.2	496.2	493.3
20°	500.3	496.2	482.9	480.8	477.1
22.5°	487.1	482.9	468.9	464.2	461.2
25°	473.7	467.5	452.1	446.7	442.2
27.5°	458.8	451.3	435.1	428.1	423.5
30°	442.2	434.3	416.8	407.3	403.6
32.5°	425.9	416.4	398.6	387.8	382.8
35°	408.1	398.2	379.4	367.4	361.5
37.5°	391.1	379.0	359.9	345.8	339.9
40°	372.8	360.3	340.3	324.5	319.6
42.5°	353.6	340.7	319.9	305.0	297.1
45°	334.1	322.2	299.2	282.6	276.4
47.5°	313.7	301.3	278.4	261.4	254.3
50°	294.6	280.9	257.2	239.8	233.6
52.5°	273.8	259.8	237.7	218.5	212.3
55°	253.5	240.2	217.0	198.3	191.6
57.5°	232.7	218.5	196.2	177.8	172.1
60°	212.8	198.3	175.8	157.5	151.2
62.5°	191.6	177.8	155.0	138.4	132.1
65°	171.7	157.5	135.5	118.8	112.6
67.5°	151.6	137.6	116.3	100.6	95.7
70°	131.4	117.2	96.4	83.5	78.6
72.5°	111.4	97.7	78.6	66.9	64.1
75°	91.4	78.9	61.5	52.4	49.5
77.5°	71.0	61.1	46.5	39.5	37.0
80°	54.0	44.1	32.5	28.7	27.9
82.5°	37.4	28.7	21.7	20.3	20.0
85°	22.8	15.3	13.3	12.9	12.5
87.5°	9.6	6.6	6.2	6.2	5.8
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)