

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: P888205

Luminaire Tested: **DPT5-6FO44-37S35-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: P888205
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: DPT5-6FO44-37S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

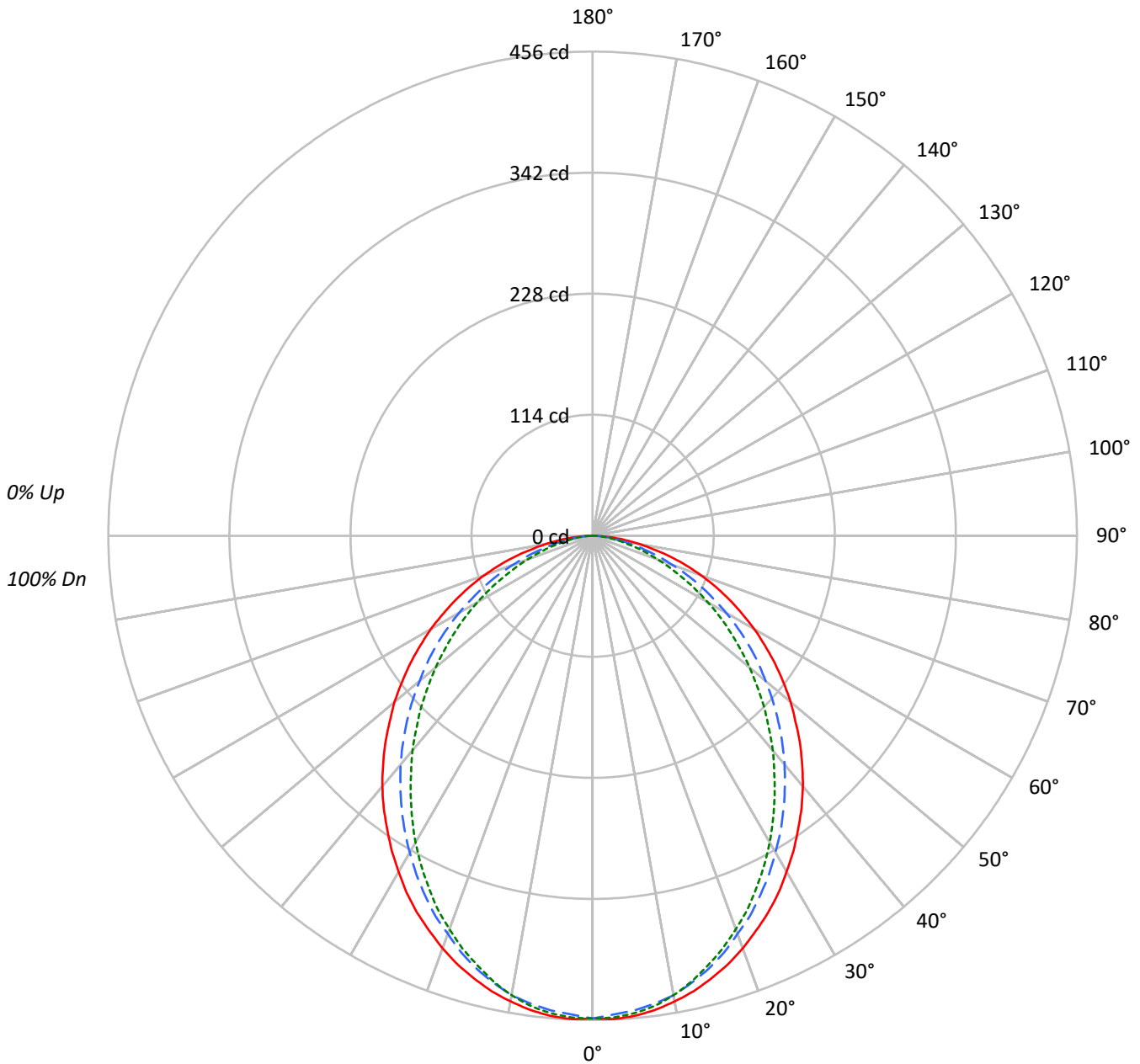
Lumens per Lamp: N/A
Luminaire Lumens: 1074.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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°	3514	3514	3514
5°	3522	3482	3503
10°	3496	3449	3449
15°	3454	3379	3353
20°	3400	3282	3243
25°	3339	3186	3116
30°	3261	3074	2976
35°	3182	2959	2819
40°	3108	2838	2664
45°	3018	2703	2496
50°	2927	2556	2321
55°	2824	2417	2134
60°	2718	2245	1933
65°	2594	2049	1701
70°	2452	1799	1467
75°	2255	1517	1222
80°	1986	1193	1028
85°	1676	976	914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	4.0
10°-20°	119.6	11.1
20°-30°	173.4	16.1
30°-40°	197.5	18.4
40°-50°	192.5	17.9
50°-60°	162.0	15.1
60°-70°	113.5	10.6
70°-80°	58.2	5.4
80°-90°	14.5	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°	335.7	31.3
0°-40°	533.2	49.6
0°-60°	887.7	82.7
0°-90°	1074.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1074.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	454	453	449	452	451	43
15°	432	430	422	422	419	122
25°	391	386	374	369	365	180
35°	337	329	314	304	299	211
45°	276	266	247	234	228	213
55°	210	198	179	164	158	187
65°	142	130	112	98	93	140
75°	76	65	51	43	41	80
85°	19	13	11	11	10	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	454.6	454.6	454.6	454.6	454.6
2.5°	455.6	454.6	451.2	454.6	454.2
5°	453.9	452.6	448.7	452.1	451.4
7.5°	450.5	449.1	444.6	447.3	446.7
10°	445.3	444.3	439.4	440.5	439.4
12.5°	439.4	438.0	431.2	431.9	430.2
15°	431.6	429.5	422.2	421.9	418.9
17.5°	423.3	420.3	411.6	410.0	407.5
20°	413.3	410.0	398.9	397.2	394.2
22.5°	402.4	398.9	387.3	383.5	381.0
25°	391.4	386.2	373.5	369.1	365.3
27.5°	379.1	372.8	359.5	353.7	349.9
30°	365.3	358.8	344.4	336.5	333.4
32.5°	351.9	344.0	329.3	320.3	316.3
35°	337.2	328.9	313.5	303.5	298.7
37.5°	323.1	313.1	297.3	285.7	280.8
40°	308.0	297.7	281.2	268.1	264.0
42.5°	292.1	281.5	264.3	252.0	245.5
45°	276.0	266.2	247.2	233.5	228.3
47.5°	259.1	249.0	230.0	216.0	210.1
50°	243.4	232.1	212.5	198.1	193.0
52.5°	226.2	214.6	196.3	180.6	175.4
55°	209.5	198.5	179.3	163.8	158.3
57.5°	192.3	180.6	162.1	146.9	142.2
60°	175.8	163.8	145.2	130.1	125.0
62.5°	158.3	146.9	128.1	114.3	109.2
65°	141.8	130.1	112.0	98.1	93.0
67.5°	125.3	113.7	96.1	83.1	79.0
70°	108.5	96.8	79.6	69.0	64.9
72.5°	92.0	80.7	64.9	55.3	52.9
75°	75.5	65.2	50.8	43.3	40.9
77.5°	58.7	50.4	38.4	32.7	30.6
80°	44.6	36.4	26.8	23.7	23.1
82.5°	30.9	23.7	17.9	16.7	16.5
85°	18.9	12.7	11.0	10.6	10.3
87.5°	8.0	5.5	5.2	5.2	4.8
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)