

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: P888149

Luminaire Tested: **DPT5-6FO36-37S30-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: P888149
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: DPT5-6FO36-37S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

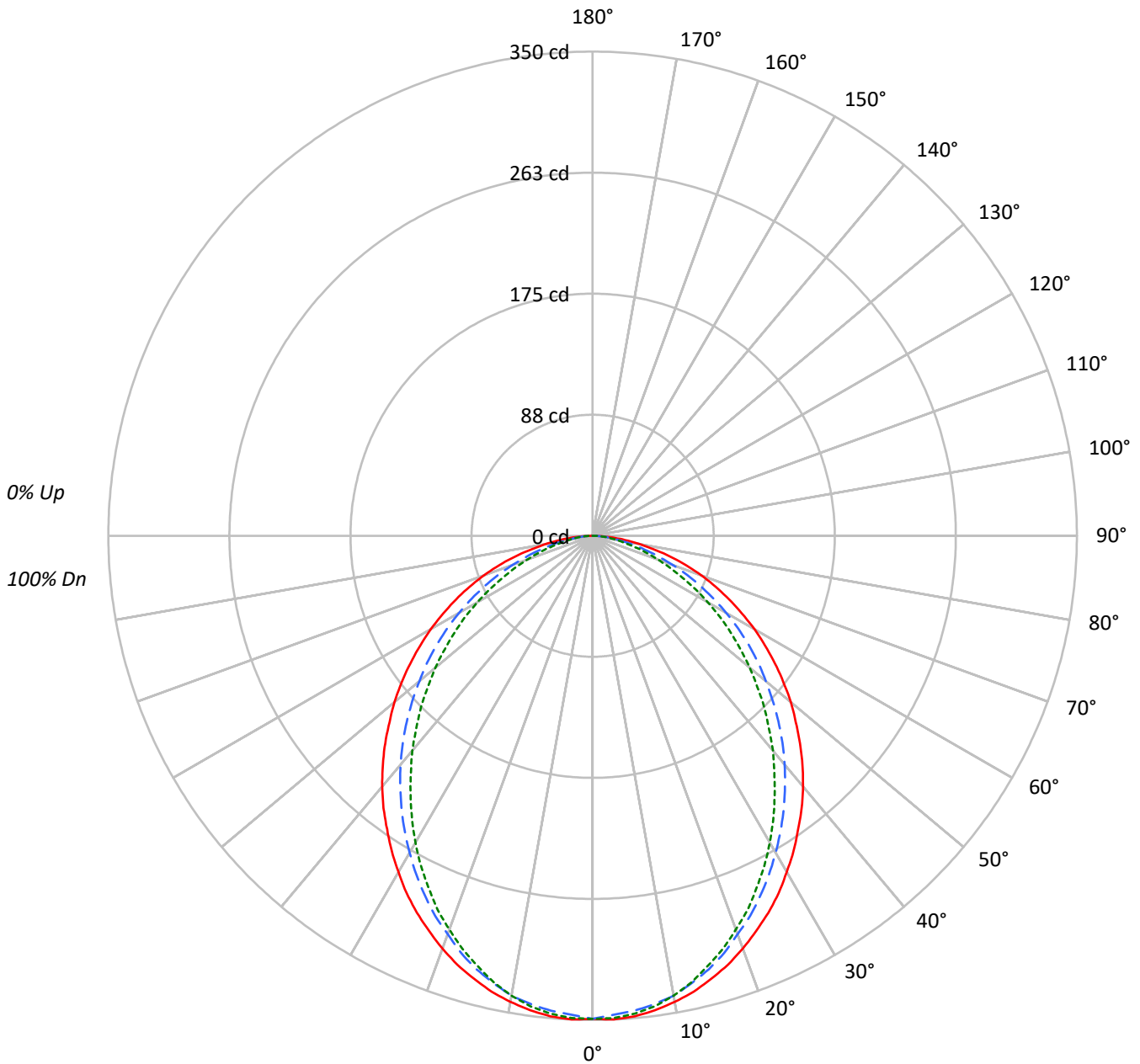
Lumens per Lamp: N/A
Luminaire Lumens: 825.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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

TEST NUMBER: P888149

CATALOG NUMBER: DPT5-6FO36-37S30-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888149

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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°	3321	3321	3321
5°	3329	3291	3311
10°	3304	3260	3260
15°	3264	3194	3168
20°	3213	3101	3065
25°	3154	3011	2945
30°	3082	2905	2812
35°	3007	2796	2663
40°	2937	2682	2518
45°	2851	2554	2359
50°	2767	2416	2193
55°	2668	2283	2016
60°	2568	2121	1826
65°	2451	1935	1607
70°	2319	1702	1388
75°	2131	1433	1154
80°	1879	1128	969
85°	1582	928	862



TEST NUMBER: P888149

CATALOG NUMBER: DPT5-6FO36-37S30-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	4.0
10°-20°	91.8	11.1
20°-30°	133.2	16.1
30°-40°	151.7	18.4
40°-50°	147.9	17.9
50°-60°	124.4	15.1
60°-70°	87.2	10.6
70°-80°	44.7	5.4
80°-90°	11.2	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°	257.9	31.3
0°-40°	409.6	49.6
0°-60°	681.9	82.7
0°-90°	825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	349	349	349	349	349	
5°	349	348	345	347	347	33
15°	332	330	324	324	322	93
25°	301	297	287	284	281	138
35°	259	253	241	233	229	162
45°	212	204	190	179	175	164
55°	161	152	138	126	122	144
65°	109	100	86	75	71	108
75°	58	50	39	33	31	61
85°	14	10	8	8	8	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	349.2	349.2	349.2	349.2	349.2
2.5°	350.0	349.2	346.6	349.2	348.9
5°	348.7	347.6	344.7	347.3	346.8
7.5°	346.0	344.9	341.5	343.6	343.1
10°	342.1	341.3	337.6	338.4	337.6
12.5°	337.6	336.5	331.2	331.7	330.5
15°	331.5	329.9	324.4	324.1	321.8
17.5°	325.2	322.8	316.2	314.9	313.1
20°	317.5	314.9	306.4	305.1	302.8
22.5°	309.1	306.4	297.5	294.6	292.7
25°	300.6	296.7	286.9	283.5	280.6
27.5°	291.2	286.4	276.1	271.7	268.8
30°	280.6	275.6	264.5	258.5	256.1
32.5°	270.3	264.3	252.9	246.1	242.9
35°	259.0	252.7	240.8	233.2	229.4
37.5°	248.2	240.5	228.4	219.5	215.7
40°	236.6	228.7	216.0	206.0	202.8
42.5°	224.4	216.2	203.0	193.6	188.5
45°	212.0	204.4	189.9	179.3	175.4
47.5°	199.1	191.2	176.7	165.9	161.4
50°	187.0	178.3	163.3	152.2	148.2
52.5°	173.8	164.9	150.8	138.7	134.7
55°	160.9	152.4	137.7	125.8	121.6
57.5°	147.7	138.7	124.5	112.9	109.2
60°	135.0	125.8	111.5	99.9	96.0
62.5°	121.6	112.9	98.4	87.8	83.9
65°	108.9	99.9	86.0	75.4	71.4
67.5°	96.2	87.3	73.8	63.8	60.7
70°	83.4	74.4	61.2	53.0	49.9
72.5°	70.7	62.0	49.9	42.5	40.7
75°	58.0	50.1	39.0	33.3	31.4
77.5°	45.1	38.7	29.5	25.1	23.5
80°	34.3	28.0	20.6	18.2	17.7
82.5°	23.7	18.2	13.7	12.9	12.7
85°	14.5	9.7	8.5	8.2	7.9
87.5°	6.1	4.2	4.0	4.0	3.7
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)