

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: P888424

Luminaire Tested: **DPT5-6FO36-37S30-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: P888424
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-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

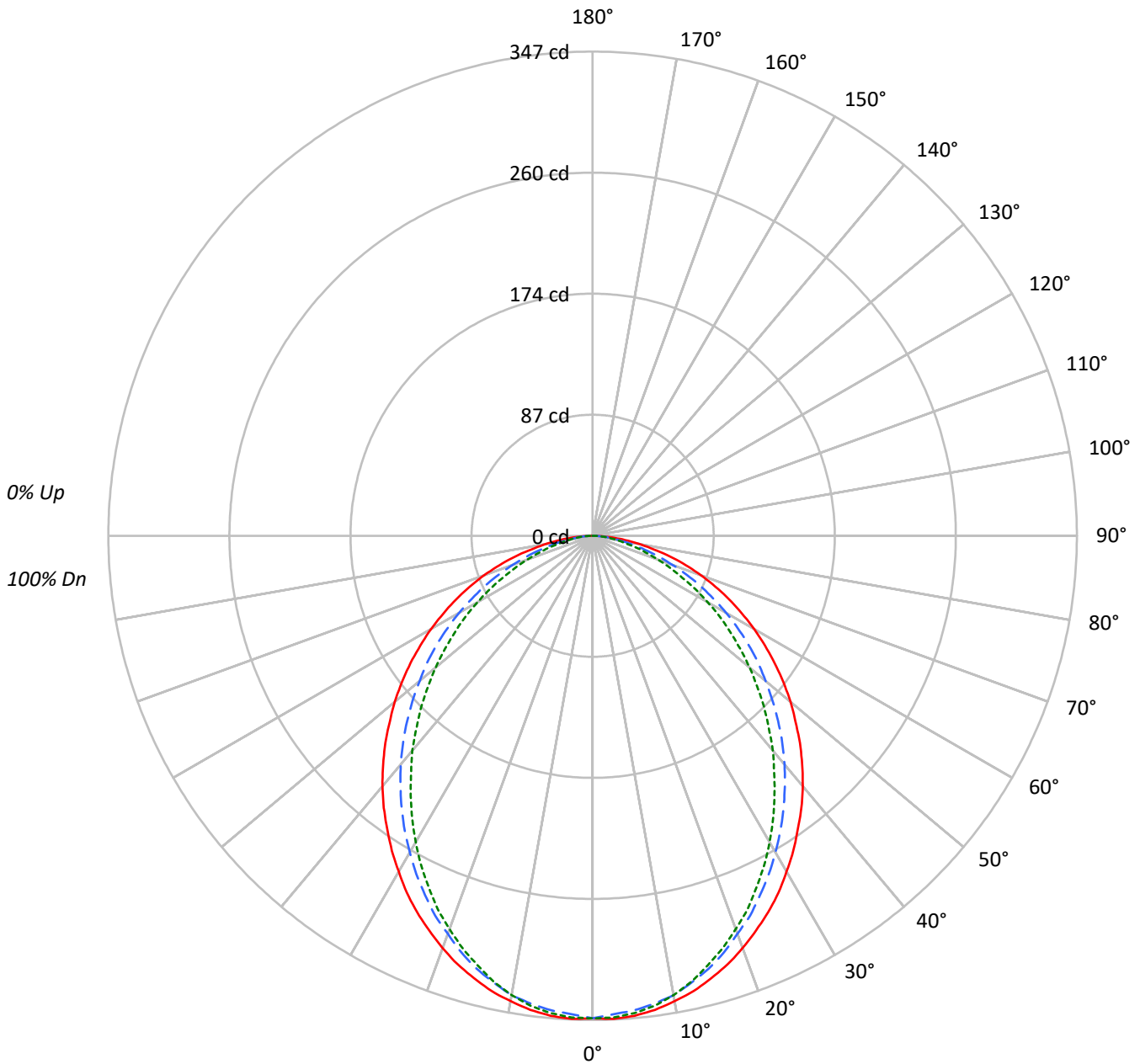
Lumens per Lamp: N/A
Luminaire Lumens: 817.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P888424

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

Luminous Intensity Polar Plot





TEST NUMBER: P888424

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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°	3289	3289	3289
5°	3297	3259	3278
10°	3271	3228	3228
15°	3232	3163	3137
20°	3182	3072	3034
25°	3124	2981	2916
30°	3052	2877	2785
35°	2978	2769	2638
40°	2909	2656	2494
45°	2824	2529	2336
50°	2740	2392	2172
55°	2641	2262	1996
60°	2543	2102	1809
65°	2428	1917	1591
70°	2297	1685	1374
75°	2113	1422	1143
80°	1862	1117	958
85°	1560	917	851



TEST NUMBER: P888424

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	4.0
10°-20°	90.9	11.1
20°-30°	131.9	16.1
30°-40°	150.3	18.4
40°-50°	146.4	17.9
50°-60°	123.2	15.1
60°-70°	86.4	10.6
70°-80°	44.3	5.4
80°-90°	11.0	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°	255.4	31.3
0°-40°	405.6	49.6
0°-60°	675.3	82.7
0°-90°	817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	346	346	346	346	346	
5°	345	344	341	344	343	33
15°	328	327	321	321	319	93
25°	298	294	284	281	278	137
35°	256	250	238	231	227	161
45°	210	202	188	178	174	162
55°	159	151	136	125	120	142
65°	108	99	85	75	71	107
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°	345.8	345.8	345.8	345.8	345.8
2.5°	346.6	345.8	343.2	345.8	345.5
5°	345.3	344.3	341.4	343.9	343.4
7.5°	342.7	341.6	338.2	340.3	339.8
10°	338.7	338.0	334.3	335.1	334.3
12.5°	334.3	333.2	328.0	328.5	327.3
15°	328.3	326.7	321.2	321.0	318.6
17.5°	322.0	319.7	313.1	311.9	310.0
20°	314.4	311.9	303.5	302.2	299.8
22.5°	306.1	303.5	294.7	291.8	289.9
25°	297.7	293.8	284.1	280.8	277.9
27.5°	288.4	283.6	273.4	269.0	266.2
30°	277.9	273.0	262.0	256.0	253.6
32.5°	267.7	261.7	250.5	243.7	240.6
35°	256.5	250.2	238.5	230.9	227.2
37.5°	245.8	238.2	226.2	217.3	213.6
40°	234.3	226.4	213.9	204.0	200.9
42.5°	222.2	214.1	201.1	191.7	186.7
45°	210.0	202.5	188.0	177.6	173.7
47.5°	197.1	189.4	174.9	164.3	159.8
50°	185.2	176.5	161.7	150.7	146.8
52.5°	172.1	163.3	149.4	137.3	133.4
55°	159.3	151.0	136.4	124.6	120.4
57.5°	146.3	137.3	123.3	111.8	108.1
60°	133.7	124.6	110.5	99.0	95.1
62.5°	120.4	111.8	97.4	87.0	83.0
65°	107.9	99.0	85.2	74.7	70.7
67.5°	95.3	86.5	73.1	63.2	60.1
70°	82.6	73.6	60.6	52.5	49.4
72.5°	70.0	61.4	49.4	42.1	40.3
75°	57.5	49.6	38.7	32.9	31.1
77.5°	44.6	38.4	29.2	24.9	23.3
80°	34.0	27.7	20.4	18.0	17.5
82.5°	23.5	18.0	13.6	12.7	12.5
85°	14.3	9.6	8.4	8.1	7.8
87.5°	6.1	4.2	3.9	3.9	3.6
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)