

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: P888155

Luminaire Tested: **DPT5-6FO36-37V60-A-XX-UDD_4000K**

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: P888155
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: DPT5-6FO36-37V60-A-XX-UDD_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

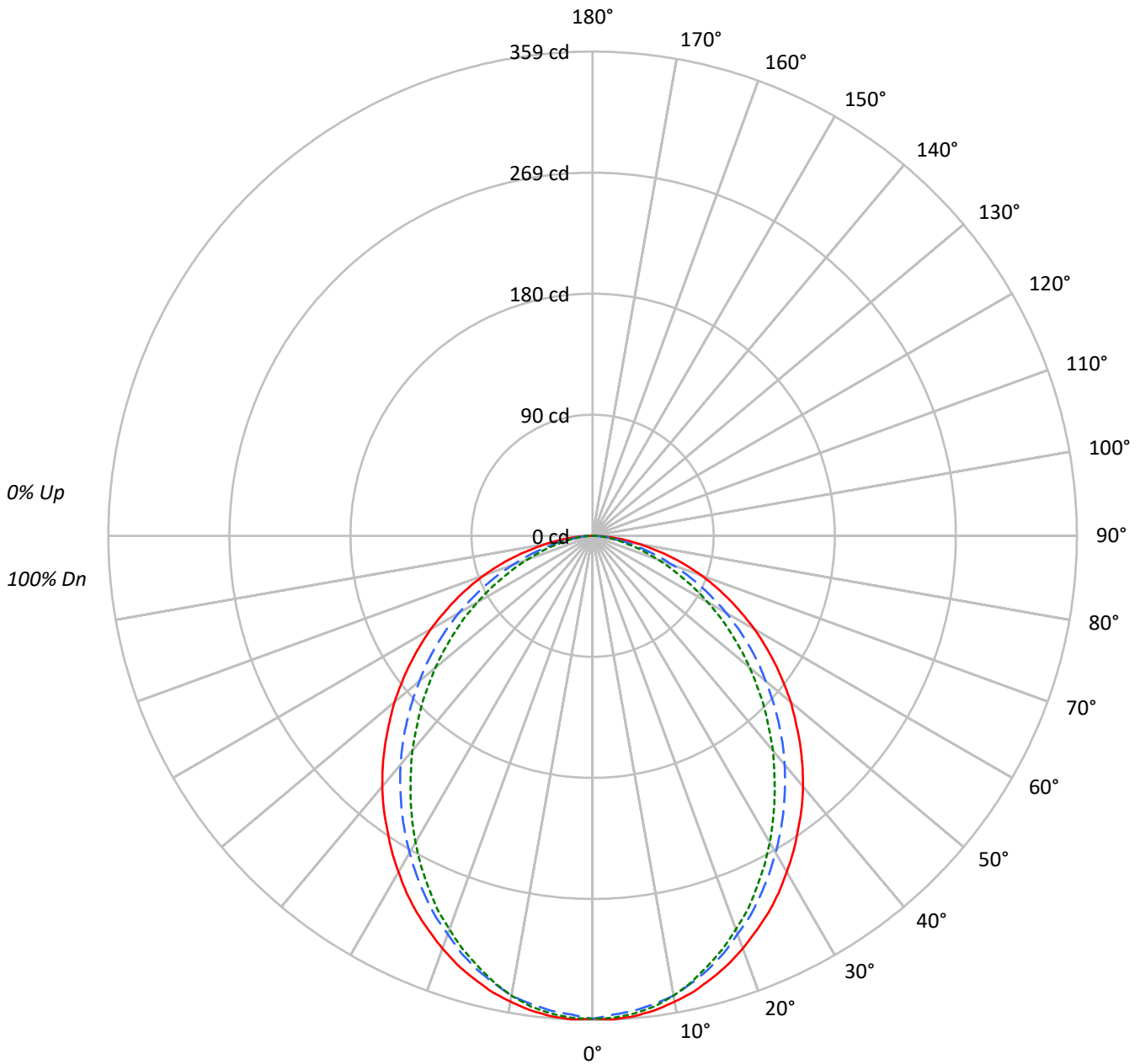
Lumens per Lamp: N/A
Luminaire Lumens: 846.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888155

CATALOG NUMBER: DPT5-6FO36-37V60-A-XX-UDD_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P888155

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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°	3406	3406	3406
5°	3413	3375	3395
10°	3388	3343	3343
15°	3348	3275	3249
20°	3295	3180	3143
25°	3235	3087	3020
30°	3161	2979	2884
35°	3084	2867	2732
40°	3012	2750	2582
45°	2924	2619	2420
50°	2836	2477	2249
55°	2736	2341	2068
60°	2634	2176	1872
65°	2514	1985	1647
70°	2377	1743	1421
75°	2186	1470	1183
80°	1928	1156	997
85°	1615	949	884



TEST NUMBER: P888155

CATALOG NUMBER: DPT5-6FO36-37V60-A-XX-UDD_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	4.0
10°-20°	94.2	11.1
20°-30°	136.6	16.1
30°-40°	155.6	18.4
40°-50°	151.6	17.9
50°-60°	127.6	15.1
60°-70°	89.4	10.6
70°-80°	45.9	5.4
80°-90°	11.4	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°	264.4	31.3
0°-40°	420.0	49.6
0°-60°	699.3	82.7
0°-90°	846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	358	358	358	358	358	
5°	358	356	354	356	356	34
15°	340	338	333	332	330	96
25°	308	304	294	291	288	142
35°	266	259	247	239	235	166
45°	217	210	195	184	180	168
55°	165	156	141	129	125	148
65°	112	102	88	77	73	111
75°	60	51	40	34	32	63
85°	15	10	9	8	8	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	358.1	358.1	358.1	358.1	358.1
2.5°	358.9	358.1	355.4	358.1	357.8
5°	357.5	356.5	353.5	356.1	355.6
7.5°	354.8	353.7	350.2	352.4	351.9
10°	350.8	350.0	346.2	347.0	346.2
12.5°	346.2	345.1	339.6	340.2	338.9
15°	340.0	338.3	332.6	332.4	330.0
17.5°	333.5	331.1	324.2	322.9	321.0
20°	325.6	322.9	314.2	312.9	310.5
22.5°	317.0	314.2	305.1	302.1	300.2
25°	308.3	304.2	294.2	290.7	287.8
27.5°	298.6	293.7	283.1	278.6	275.6
30°	287.8	282.6	271.3	265.1	262.6
32.5°	277.2	271.0	259.4	252.3	249.1
35°	265.6	259.1	246.9	239.1	235.3
37.5°	254.5	246.6	234.2	225.1	221.2
40°	242.6	234.5	221.5	211.2	208.0
42.5°	230.1	221.7	208.2	198.5	193.3
45°	217.4	209.6	194.7	183.9	179.9
47.5°	204.1	196.1	181.2	170.1	165.5
50°	191.7	182.8	167.4	156.1	152.0
52.5°	178.2	169.1	154.7	142.2	138.2
55°	165.0	156.3	141.2	129.0	124.7
57.5°	151.5	142.2	127.7	115.7	112.0
60°	138.5	129.0	114.4	102.5	98.4
62.5°	124.7	115.7	100.9	90.1	86.0
65°	111.7	102.5	88.2	77.3	73.2
67.5°	98.7	89.5	75.7	65.5	62.3
70°	85.5	76.3	62.7	54.3	51.1
72.5°	72.5	63.6	51.1	43.5	41.7
75°	59.5	51.4	40.0	34.1	32.2
77.5°	46.2	39.7	30.3	25.7	24.1
80°	35.2	28.7	21.1	18.7	18.2
82.5°	24.3	18.7	14.1	13.2	13.0
85°	14.8	10.0	8.7	8.4	8.1
87.5°	6.3	4.3	4.1	4.1	3.8
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)