

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: P888157

Luminaire Tested: **DPT5-6FO36-37V60-A-XX-UDD_5000K**

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: P888157
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_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

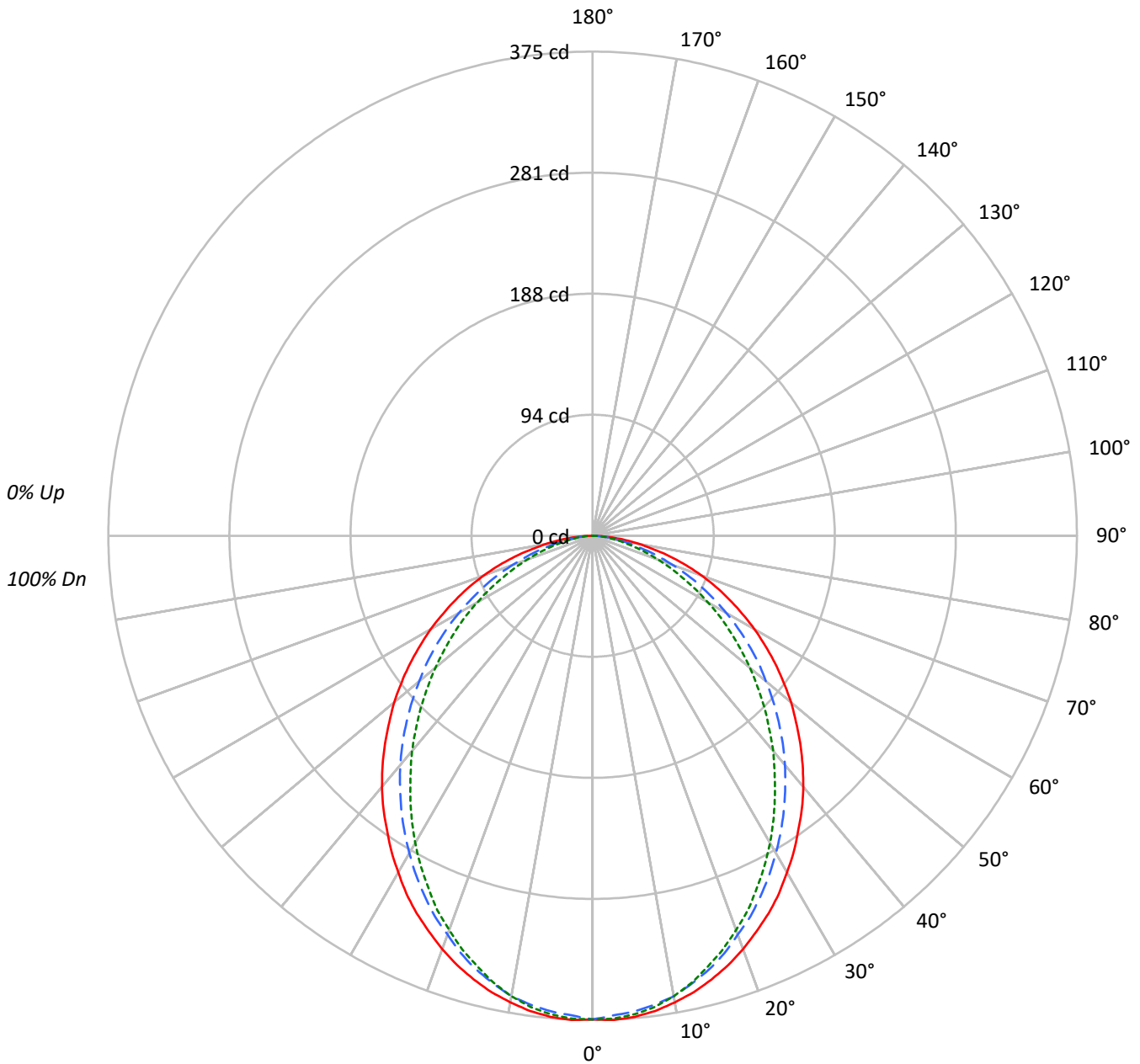
Lumens per Lamp: N/A
Luminaire Lumens: 885.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888157

CATALOG NUMBER: DPT5-6FO36-37V60-A-XX-UDD_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P888157

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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°	3563	3563	3563
5°	3571	3530	3551
10°	3543	3497	3497
15°	3502	3425	3399
20°	3447	3327	3287
25°	3384	3230	3159
30°	3306	3117	3017
35°	3225	2999	2857
40°	3151	2877	2702
45°	3059	2740	2530
50°	2968	2591	2353
55°	2862	2449	2164
60°	2754	2277	1959
65°	2631	2077	1724
70°	2486	1824	1488
75°	2286	1540	1238
80°	2016	1210	1041
85°	1691	993	928



TEST NUMBER: P888157

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	4.0
10°-20°	98.5	11.1
20°-30°	142.8	16.1
30°-40°	162.8	18.4
40°-50°	158.6	17.9
50°-60°	133.5	15.1
60°-70°	93.6	10.6
70°-80°	48.0	5.4
80°-90°	12.0	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°	276.6	31.3
0°-40°	439.4	49.6
0°-60°	731.5	82.7
0°-90°	885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	374	373	370	373	372	35
15°	356	354	348	348	345	100
25°	322	318	308	304	301	148
35°	278	271	258	250	246	174
45°	227	219	204	192	188	175
55°	173	164	148	135	130	154
65°	117	107	92	81	77	116
75°	62	54	42	36	34	66
85°	16	10	9	9	8	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	374.6	374.6	374.6	374.6	374.6
2.5°	375.4	374.6	371.8	374.6	374.3
5°	374.0	372.9	369.8	372.6	372.0
7.5°	371.2	370.0	366.4	368.6	368.1
10°	366.9	366.1	362.1	363.0	362.1
12.5°	362.1	361.0	355.3	355.9	354.5
15°	355.7	353.9	347.9	347.7	345.2
17.5°	348.8	346.3	339.2	337.8	335.8
20°	340.6	337.8	328.7	327.3	324.8
22.5°	331.6	328.7	319.2	316.0	314.0
25°	322.5	318.2	307.8	304.1	301.0
27.5°	312.4	307.2	296.2	291.4	288.3
30°	301.0	295.7	283.8	277.3	274.7
32.5°	290.0	283.5	271.3	264.0	260.6
35°	277.8	271.1	258.3	250.1	246.1
37.5°	266.2	258.0	245.0	235.4	231.4
40°	253.8	245.3	231.7	220.9	217.6
42.5°	240.7	232.0	217.8	207.7	202.3
45°	227.4	219.3	203.7	192.4	188.1
47.5°	213.5	205.1	189.5	178.0	173.1
50°	200.6	191.2	175.1	163.3	159.0
52.5°	186.4	176.9	161.8	148.8	144.5
55°	172.6	163.5	147.7	135.0	130.5
57.5°	158.4	148.8	133.6	121.1	117.1
60°	144.8	135.0	119.7	107.2	103.0
62.5°	130.5	121.1	105.5	94.2	90.0
65°	116.9	107.2	92.3	80.9	76.6
67.5°	103.2	93.7	79.2	68.5	65.1
70°	89.4	79.8	65.6	56.8	53.5
72.5°	75.8	66.5	53.5	45.6	43.6
75°	62.2	53.7	41.9	35.7	33.7
77.5°	48.3	41.6	31.6	26.9	25.2
80°	36.8	30.0	22.1	19.5	19.0
82.5°	25.5	19.5	14.7	13.8	13.6
85°	15.5	10.4	9.1	8.8	8.5
87.5°	6.6	4.5	4.3	4.3	3.9
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)