

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: P888156

Luminaire Tested: **DPT5-6FO36-37V60-A-XX-UDD_4500K**

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: P888156
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_4500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

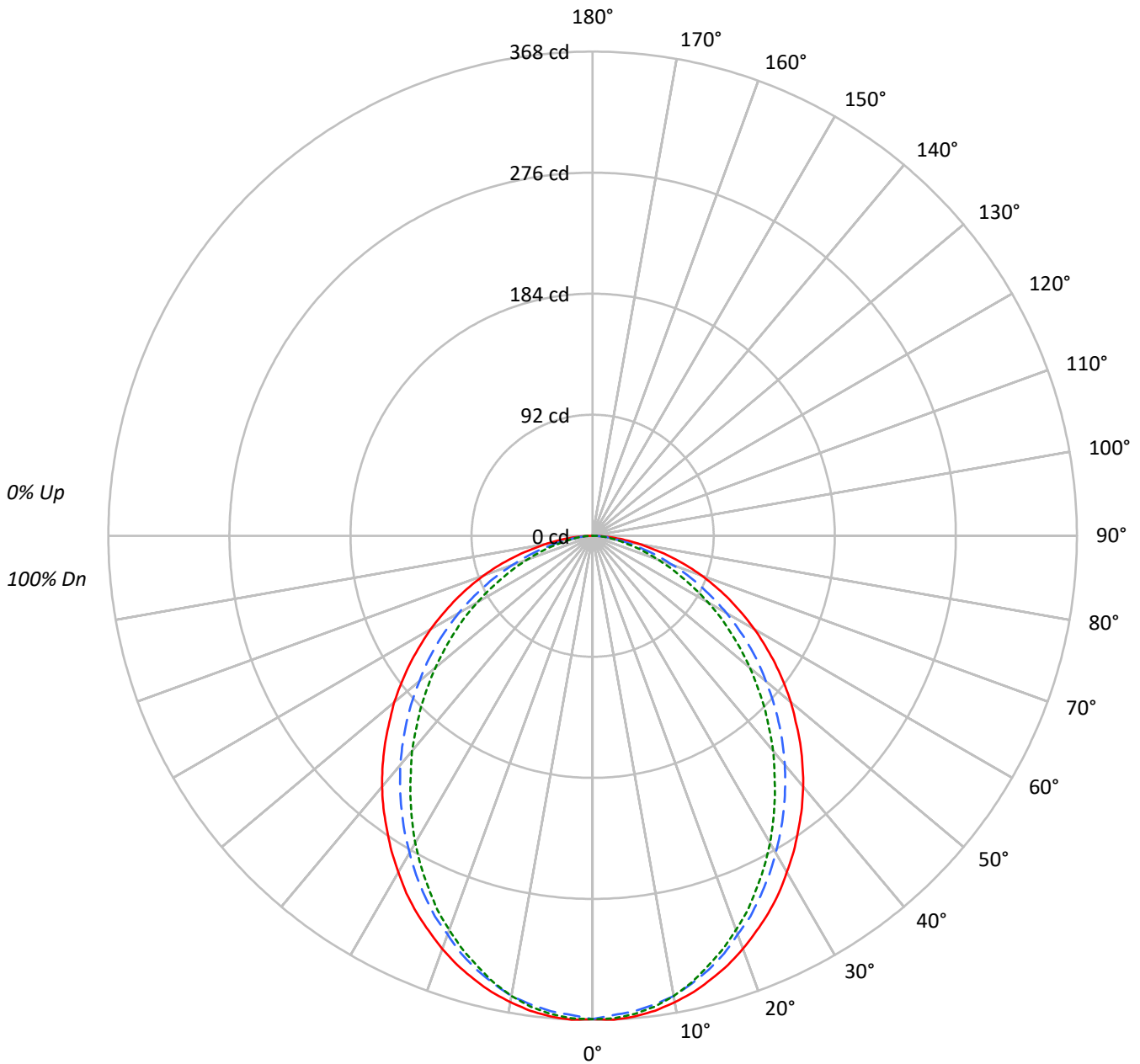
Lumens per Lamp: N/A
Luminaire Lumens: 868.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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

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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°	3494	3494	3494
5°	3502	3463	3483
10°	3476	3430	3430
15°	3434	3360	3333
20°	3381	3263	3225
25°	3319	3168	3098
30°	3242	3056	2960
35°	3164	2941	2803
40°	3090	2821	2649
45°	3001	2687	2482
50°	2910	2542	2308
55°	2807	2403	2122
60°	2703	2233	1921
65°	2579	2037	1690
70°	2439	1788	1457
75°	2242	1510	1213
80°	1977	1188	1019
85°	1659	971	906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	4.0
10°-20°	96.6	11.1
20°-30°	140.1	16.1
30°-40°	159.6	18.4
40°-50°	155.6	17.9
50°-60°	130.9	15.1
60°-70°	91.8	10.6
70°-80°	47.0	5.4
80°-90°	11.7	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°	271.3	31.3
0°-40°	430.9	49.6
0°-60°	717.5	82.7
0°-90°	868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	367	367	367	367	367	
5°	367	366	363	365	365	35
15°	349	347	341	341	338	98
25°	316	312	302	298	295	146
35°	272	266	253	245	241	171
45°	223	215	200	189	184	172
55°	169	160	145	132	128	151
65°	115	105	90	79	75	113
75°	61	53	41	35	33	65
85°	15	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°	367.4	367.4	367.4	367.4	367.4
2.5°	368.2	367.4	364.6	367.4	367.1
5°	366.8	365.8	362.7	365.4	364.8
7.5°	364.1	362.9	359.3	361.5	361.0
10°	359.9	359.1	355.2	356.0	355.2
12.5°	355.2	354.0	348.5	349.0	347.7
15°	348.8	347.1	341.3	341.0	338.5
17.5°	342.1	339.7	332.7	331.3	329.4
20°	334.1	331.3	322.4	321.0	318.6
22.5°	325.2	322.4	313.1	310.0	308.0
25°	316.3	312.1	301.9	298.3	295.2
27.5°	306.4	301.3	290.5	285.8	282.8
30°	295.2	290.0	278.3	272.0	269.5
32.5°	284.4	278.1	266.1	258.9	255.6
35°	272.5	265.9	253.3	245.3	241.4
37.5°	261.1	253.0	240.3	230.9	226.9
40°	248.9	240.6	227.2	216.7	213.4
42.5°	236.1	227.5	213.6	203.7	198.4
45°	223.1	215.1	199.8	188.7	184.5
47.5°	209.4	201.2	185.9	174.5	169.8
50°	196.7	187.6	171.8	160.1	156.0
52.5°	182.8	173.5	158.7	145.9	141.8
55°	169.3	160.4	144.9	132.4	128.0
57.5°	155.4	145.9	131.0	118.7	114.9
60°	142.1	132.4	117.4	105.2	101.0
62.5°	128.0	118.7	103.5	92.4	88.2
65°	114.6	105.2	90.5	79.3	75.1
67.5°	101.2	91.9	77.7	67.2	63.9
70°	87.7	78.2	64.3	55.7	52.4
72.5°	74.4	65.2	52.4	44.7	42.8
75°	61.0	52.7	41.1	35.0	33.0
77.5°	47.4	40.8	31.0	26.4	24.7
80°	36.1	29.4	21.7	19.1	18.6
82.5°	25.0	19.1	14.5	13.5	13.3
85°	15.2	10.2	8.9	8.6	8.3
87.5°	6.4	4.4	4.2	4.2	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)