

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: P888207

Luminaire Tested: **DPT5-6FO44-37V60-A-XX-UDD_2700K**

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: P888207
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: DPT5-6FO44-37V60-A-XX-UDD_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

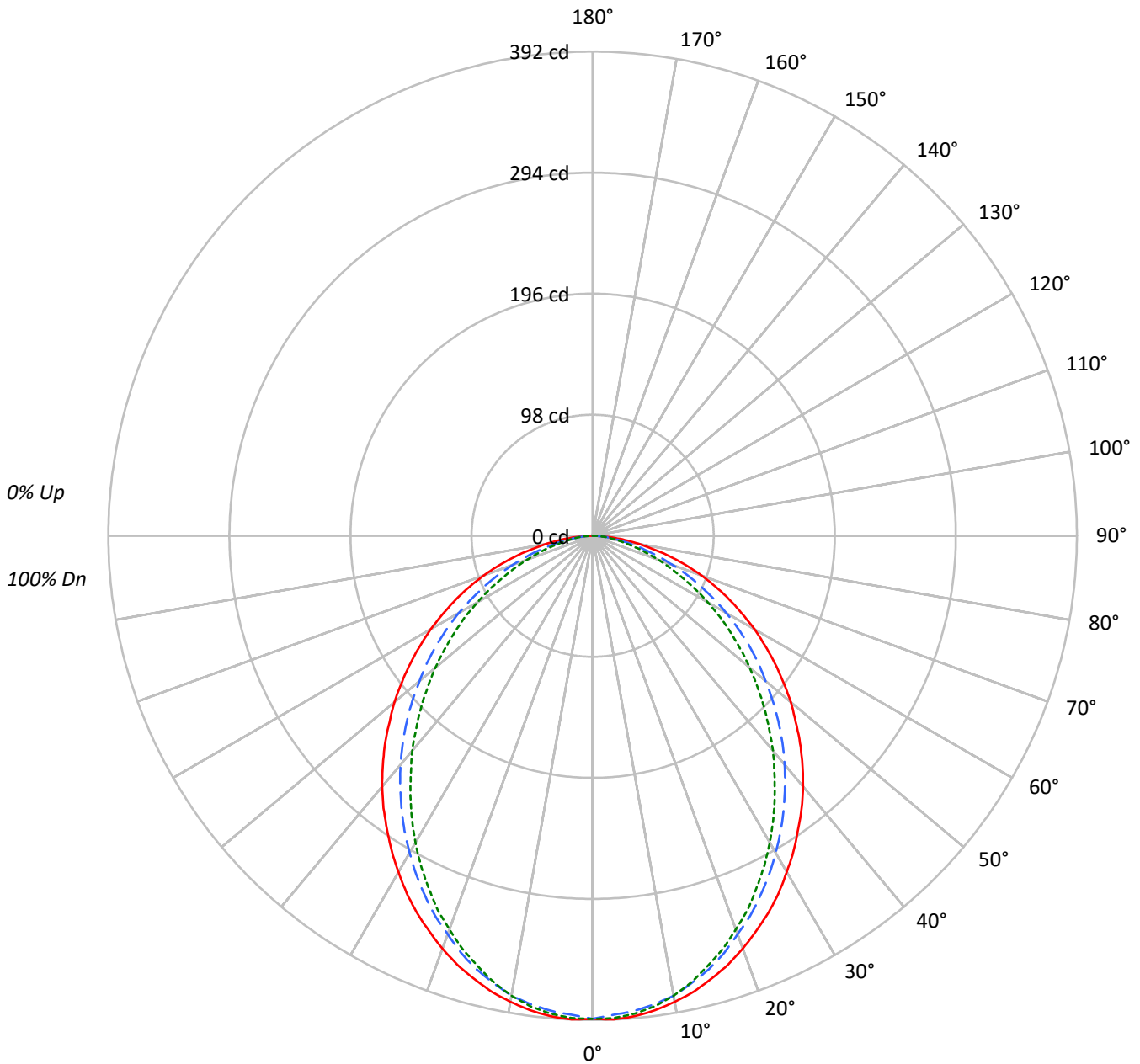
Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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°	3024	3024	3024
5°	3030	2996	3014
10°	3007	2968	2968
15°	2972	2908	2884
20°	2925	2823	2790
25°	2872	2742	2681
30°	2806	2645	2560
35°	2738	2545	2425
40°	2674	2441	2293
45°	2597	2325	2147
50°	2518	2199	1996
55°	2429	2078	1836
60°	2338	1931	1662
65°	2232	1762	1463
70°	2111	1548	1261
75°	1942	1305	1051
80°	1710	1028	881
85°	1437	843	789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	4.0
10°-20°	102.9	11.1
20°-30°	149.2	16.1
30°-40°	169.9	18.4
40°-50°	165.6	17.9
50°-60°	139.4	15.1
60°-70°	97.7	10.6
70°-80°	50.1	5.4
80°-90°	12.5	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°	288.8	31.3
0°-40°	458.8	49.6
0°-60°	763.8	82.7
0°-90°	924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	391	391	391	391	391	
5°	390	389	386	389	388	37
15°	371	370	363	363	360	105
25°	337	332	321	318	314	155
35°	290	283	270	261	257	182
45°	238	229	213	201	196	183
55°	180	171	154	141	136	161
65°	122	112	96	84	80	121
75°	65	56	44	37	35	69
85°	16	11	10	9	9	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	391.1	391.1	391.1	391.1	391.1
2.5°	392.0	391.1	388.2	391.1	390.8
5°	390.5	389.4	386.1	389.0	388.4
7.5°	387.5	386.3	382.5	384.9	384.3
10°	383.1	382.2	378.1	379.0	378.1
12.5°	378.1	376.9	370.9	371.5	370.1
15°	371.3	369.5	363.3	363.0	360.4
17.5°	364.2	361.6	354.1	352.7	350.6
20°	355.6	352.7	343.2	341.7	339.1
22.5°	346.2	343.2	333.2	330.0	327.8
25°	336.7	332.3	321.4	317.5	314.3
27.5°	326.1	320.8	309.3	304.3	301.0
30°	314.3	308.7	296.3	289.5	286.8
32.5°	302.7	296.0	283.3	275.6	272.1
35°	290.1	283.0	269.7	261.1	257.0
37.5°	278.0	269.4	255.8	245.8	241.6
40°	265.0	256.1	241.9	230.7	227.2
42.5°	251.3	242.2	227.4	216.8	211.2
45°	237.5	229.0	212.7	200.9	196.4
47.5°	223.0	214.2	197.9	185.8	180.8
50°	209.4	199.7	182.8	170.5	166.0
52.5°	194.6	184.7	168.9	155.3	150.9
55°	180.2	170.7	154.2	140.9	136.2
57.5°	165.4	155.3	139.4	126.4	122.3
60°	151.2	140.9	124.9	111.9	107.5
62.5°	136.2	126.4	110.2	98.4	93.9
65°	122.0	111.9	96.3	84.4	80.0
67.5°	107.8	97.8	82.7	71.5	68.0
70°	93.4	83.3	68.5	59.3	55.8
72.5°	79.2	69.4	55.8	47.6	45.5
75°	65.0	56.1	43.7	37.3	35.2
77.5°	50.5	43.4	33.0	28.1	26.3
80°	38.4	31.3	23.1	20.4	19.8
82.5°	26.6	20.4	15.4	14.4	14.2
85°	16.2	10.9	9.5	9.2	8.9
87.5°	6.8	4.7	4.4	4.4	4.1
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)