

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: P888212

Luminaire Tested: **DPT5-6FO44-37V60-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: P888212
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_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

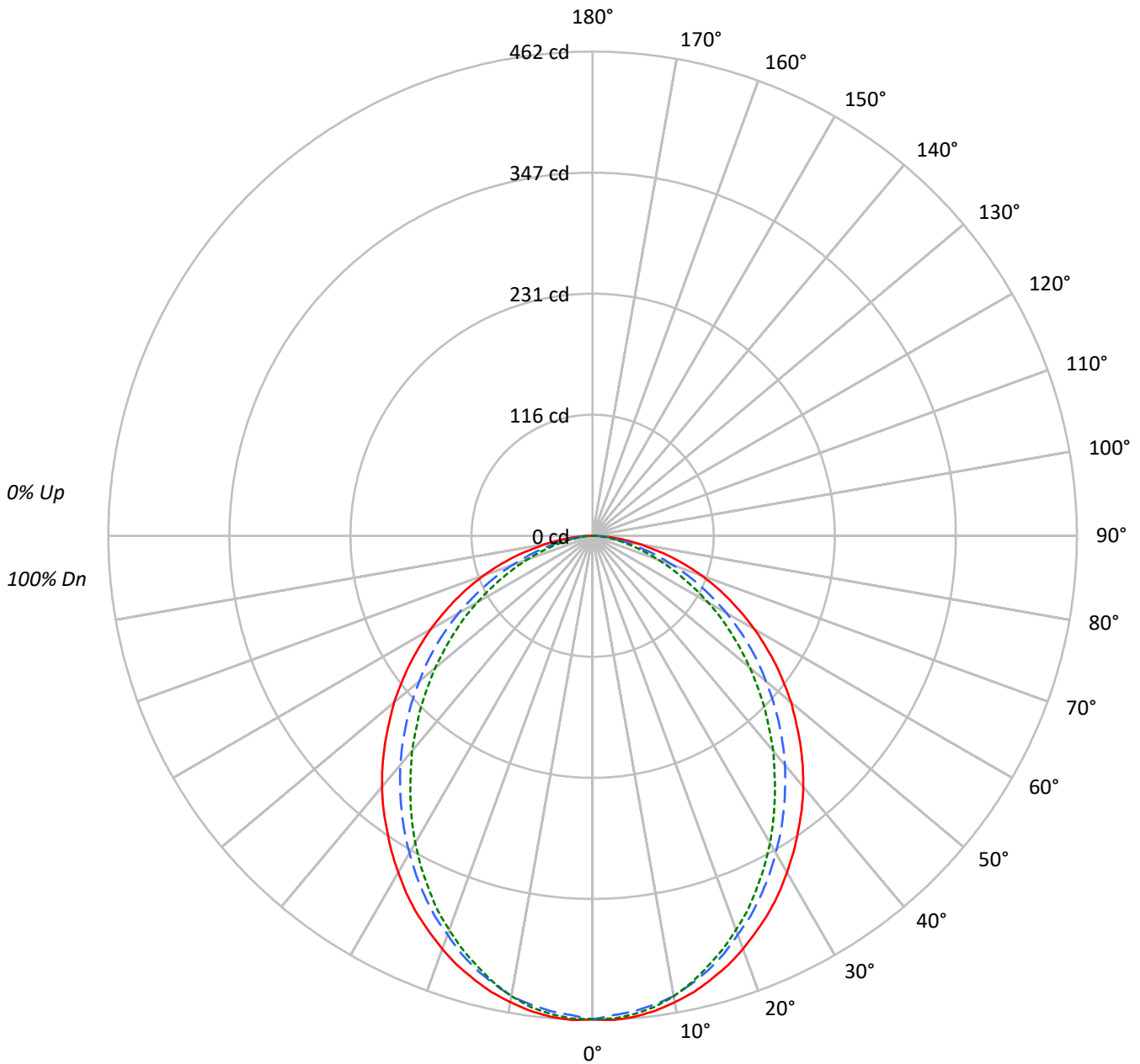
Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	3567	3567	3567
5°	3575	3534	3555
10°	3547	3501	3501
15°	3506	3430	3402
20°	3451	3331	3291
25°	3388	3234	3163
30°	3310	3120	3021
35°	3230	3002	2861
40°	3155	2880	2705
45°	3062	2743	2533
50°	2971	2594	2355
55°	2865	2453	2166
60°	2758	2279	1961
65°	2632	2078	1727
70°	2489	1826	1490
75°	2291	1541	1240
80°	2017	1211	1042
85°	1694	993	931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	4.0
10°-20°	121.3	11.1
20°-30°	175.9	16.1
30°-40°	200.5	18.4
40°-50°	195.4	17.9
50°-60°	164.4	15.1
60°-70°	115.2	10.6
70°-80°	59.1	5.4
80°-90°	14.7	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°	340.7	31.3
0°-40°	541.2	49.6
0°-60°	901.0	82.7
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	461	461	461	461	461	
5°	461	459	455	459	458	44
15°	438	436	428	428	425	123
25°	397	392	379	375	371	183
35°	342	334	318	308	303	214
45°	280	270	251	237	232	216
55°	213	201	182	166	161	190
65°	144	132	114	100	94	142
75°	77	66	52	44	42	81
85°	19	13	11	11	10	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	461.4	461.4	461.4	461.4	461.4
2.5°	462.4	461.4	457.9	461.4	461.0
5°	460.7	459.3	455.4	458.9	458.1
7.5°	457.2	455.8	451.2	454.0	453.4
10°	451.9	450.9	446.0	447.1	446.0
12.5°	446.0	444.6	437.6	438.3	436.6
15°	438.0	435.9	428.5	428.2	425.1
17.5°	429.6	426.5	417.7	416.1	413.6
20°	419.5	416.1	404.9	403.1	400.0
22.5°	408.4	404.9	393.1	389.2	386.7
25°	397.2	392.0	379.1	374.6	370.8
27.5°	384.7	378.4	364.8	358.9	355.1
30°	370.8	364.2	349.5	341.5	338.4
32.5°	357.1	349.2	334.2	325.1	321.0
35°	342.2	333.8	318.1	308.1	303.1
37.5°	327.9	317.8	301.7	290.0	285.0
40°	312.6	302.1	285.4	272.1	268.0
42.5°	296.5	285.7	268.2	255.8	249.1
45°	280.1	270.1	250.9	237.0	231.7
47.5°	263.0	252.7	233.4	219.2	213.2
50°	247.0	235.5	215.7	201.1	195.8
52.5°	229.6	217.8	199.3	183.2	178.0
55°	212.6	201.4	182.0	166.2	160.7
57.5°	195.1	183.2	164.5	149.1	144.3
60°	178.4	166.2	147.4	132.1	126.8
62.5°	160.7	149.1	130.0	116.0	110.8
65°	143.9	132.1	113.6	99.6	94.4
67.5°	127.1	115.4	97.5	84.4	80.2
70°	110.1	98.2	80.8	70.0	65.9
72.5°	93.4	81.9	65.9	56.1	53.7
75°	76.7	66.2	51.6	44.0	41.5
77.5°	59.5	51.2	39.0	33.2	31.0
80°	45.3	37.0	27.2	24.0	23.4
82.5°	31.3	24.0	18.2	17.0	16.7
85°	19.1	12.9	11.2	10.8	10.5
87.5°	8.1	5.6	5.2	5.2	4.8
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)