

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: P888163

Luminaire Tested: **DPT5-6FO36-61V60-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: P888163
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: DPT5-6FO36-61V60-A-XX-UDD_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

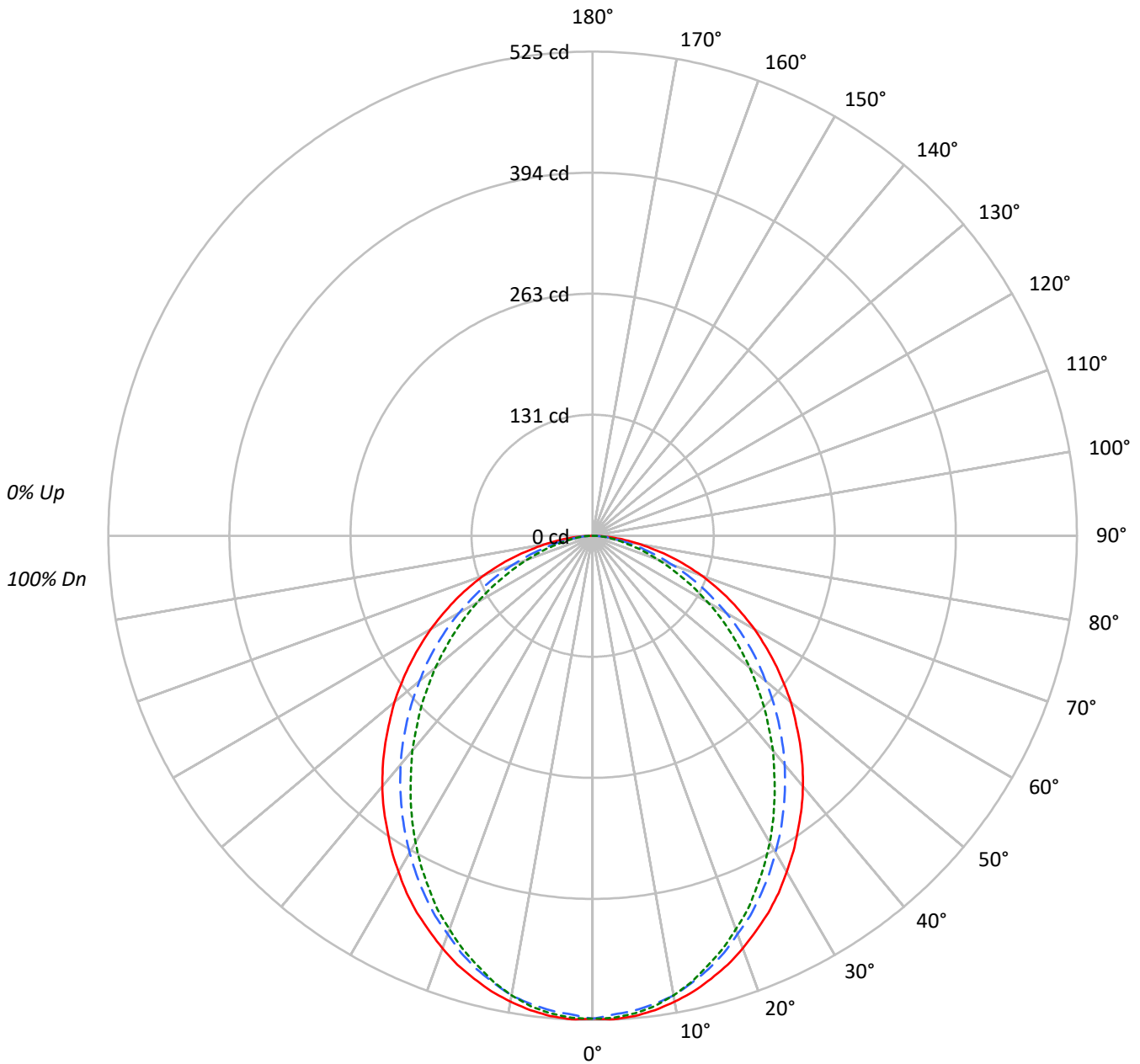
Lumens per Lamp: N/A
Luminaire Lumens: 1237.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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°	4980	4980	4980
5°	4991	4934	4963
10°	4953	4888	4888
15°	4894	4788	4750
20°	4819	4651	4595
25°	4731	4514	4416
30°	4621	4355	4217
35°	4508	4191	3994
40°	4404	4021	3775
45°	4276	3829	3537
50°	4149	3622	3289
55°	4001	3424	3024
60°	3852	3180	2737
65°	3677	2903	2410
70°	3476	2550	2077
75°	3197	2150	1731
80°	2815	1692	1457
85°	2368	1386	1299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	4.0
10°-20°	137.7	11.1
20°-30°	199.7	16.1
30°-40°	227.5	18.4
40°-50°	221.7	17.9
50°-60°	186.6	15.1
60°-70°	130.8	10.6
70°-80°	67.0	5.4
80°-90°	16.7	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°	386.7	31.3
0°-40°	614.1	49.6
0°-60°	1022.5	82.7
0°-90°	1237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	523	521	517	521	520	50
15°	497	495	486	486	482	140
25°	451	445	430	425	421	207
35°	388	379	361	350	344	243
45°	318	306	285	269	263	245
55°	241	229	206	189	182	216
65°	163	150	129	113	107	162
75°	87	75	58	50	47	92
85°	22	15	13	12	12	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	523.6	523.6	523.6	523.6	523.6
2.5°	524.8	523.6	519.6	523.6	523.2
5°	522.8	521.2	516.8	520.7	519.9
7.5°	518.8	517.2	512.1	515.2	514.5
10°	512.9	511.7	506.1	507.4	506.1
12.5°	506.1	504.5	496.6	497.4	495.5
15°	497.1	494.7	486.3	486.0	482.4
17.5°	487.6	484.1	474.1	472.2	469.4
20°	476.1	472.2	459.5	457.5	454.0
22.5°	463.4	459.5	446.1	441.7	438.9
25°	450.8	444.8	430.2	425.1	420.8
27.5°	436.6	429.4	414.0	407.3	403.0
30°	420.8	413.3	396.6	387.6	384.0
32.5°	405.3	396.3	379.2	369.0	364.3
35°	388.3	378.9	361.0	349.6	344.0
37.5°	372.1	360.6	342.4	329.1	323.4
40°	354.7	342.9	323.9	308.8	304.1
42.5°	336.5	324.2	304.4	290.3	282.7
45°	317.9	306.5	284.7	268.9	263.0
47.5°	298.5	286.7	264.9	248.7	242.0
50°	280.4	267.3	244.8	228.2	222.3
52.5°	260.6	247.2	226.1	208.0	202.0
55°	241.3	228.6	206.5	188.7	182.4
57.5°	221.5	208.0	186.7	169.2	163.7
60°	202.5	188.7	167.2	149.9	143.9
62.5°	182.4	169.2	147.5	131.7	125.7
65°	163.4	149.9	129.0	113.0	107.1
67.5°	144.3	130.9	110.7	95.7	91.0
70°	125.0	111.5	91.7	79.4	74.7
72.5°	106.0	92.9	74.7	63.7	61.0
75°	87.0	75.1	58.5	49.9	47.1
77.5°	67.6	58.1	44.2	37.6	35.2
80°	51.4	42.0	30.9	27.3	26.6
82.5°	35.6	27.3	20.6	19.3	19.0
85°	21.7	14.6	12.7	12.3	11.9
87.5°	9.2	6.3	5.9	5.9	5.5
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)