

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: P888164

Luminaire Tested: **DPT5-6FO36-61V60-A-XX-UDD_3000K**

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: P888164
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_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

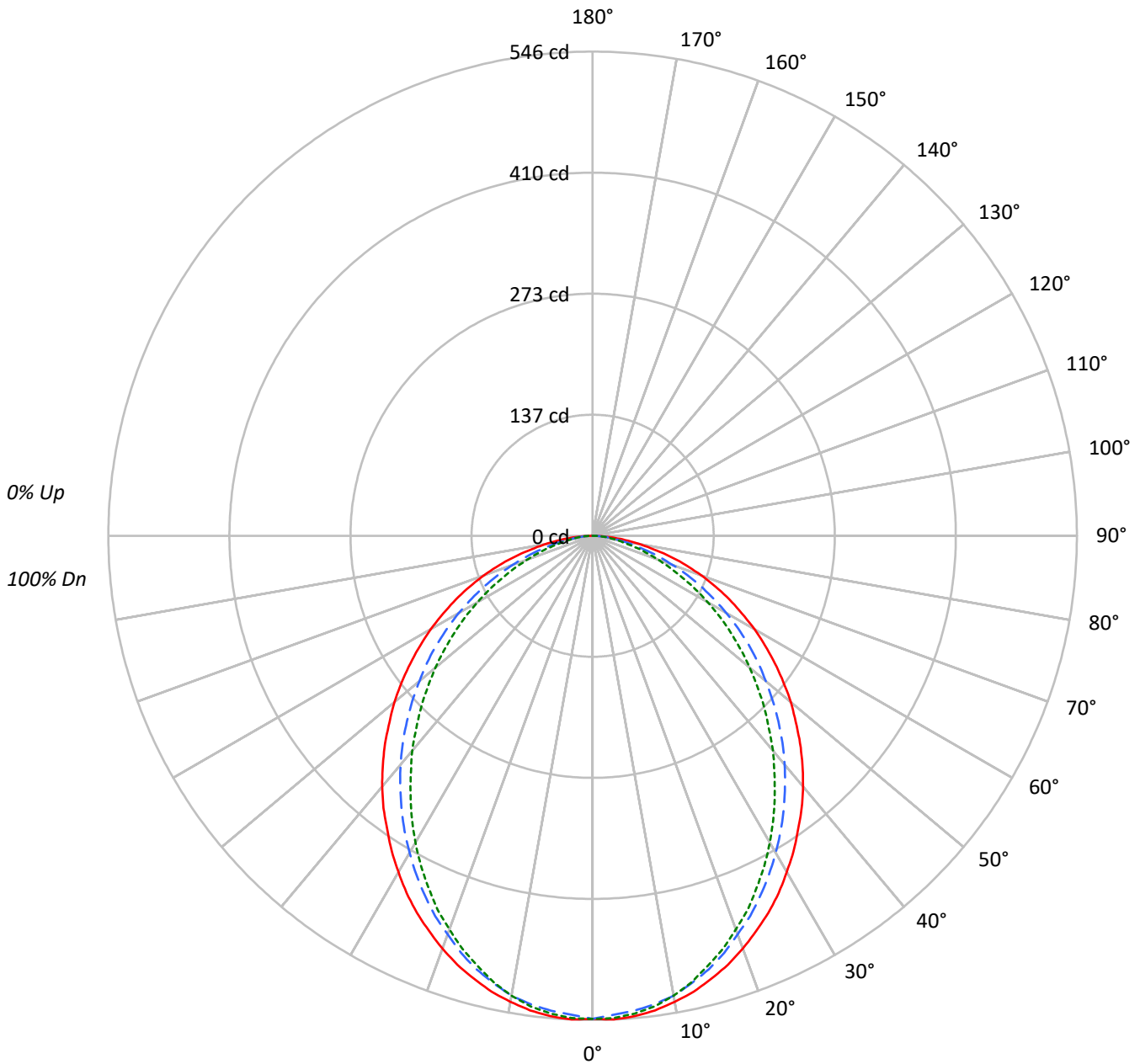
Lumens per Lamp: N/A
Luminaire Lumens: 1287.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5181	5181	5181
5°	5193	5133	5164
10°	5153	5086	5086
15°	5092	4982	4942
20°	5013	4839	4780
25°	4922	4697	4594
30°	4808	4532	4387
35°	4691	4361	4155
40°	4582	4183	3928
45°	4449	3984	3680
50°	4316	3768	3421
55°	4162	3562	3145
60°	4006	3310	2847
65°	3826	3020	2507
70°	3615	2653	2163
75°	3326	2238	1801
80°	2930	1758	1512
85°	2466	1440	1353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	4.0
10°-20°	143.3	11.1
20°-30°	207.7	16.1
30°-40°	236.7	18.4
40°-50°	230.7	17.9
50°-60°	194.1	15.1
60°-70°	136.0	10.6
70°-80°	69.8	5.4
80°-90°	17.4	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°	402.3	31.3
0°-40°	639.0	49.6
0°-60°	1063.8	82.7
0°-90°	1287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	545	545	545	545	545	
5°	544	542	538	542	541	52
15°	517	515	506	506	502	146
25°	469	463	448	442	438	216
35°	404	394	376	364	358	253
45°	331	319	296	280	274	255
55°	251	238	215	196	190	224
65°	170	156	134	118	111	168
75°	90	78	61	52	49	96
85°	23	15	13	13	12	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	544.8	544.8	544.8	544.8	544.8
2.5°	546.0	544.8	540.6	544.8	544.3
5°	543.9	542.3	537.7	541.8	540.9
7.5°	539.8	538.1	532.8	536.1	535.3
10°	533.6	532.4	526.6	527.9	526.6
12.5°	526.6	524.9	516.7	517.5	515.5
15°	517.2	514.7	506.0	505.6	501.9
17.5°	507.3	503.6	493.2	491.3	488.4
20°	495.3	491.3	478.1	476.0	472.3
22.5°	482.2	478.1	464.2	459.6	456.6
25°	469.0	462.8	447.6	442.3	437.8
27.5°	454.2	446.8	430.7	423.8	419.3
30°	437.8	430.0	412.7	403.3	399.5
32.5°	421.7	412.3	394.6	383.9	379.0
35°	404.0	394.2	375.6	363.7	357.9
37.5°	387.2	375.2	356.3	342.4	336.5
40°	369.1	356.7	336.9	321.3	316.4
42.5°	350.1	337.3	316.7	302.0	294.1
45°	330.8	318.9	296.2	279.8	273.6
47.5°	310.5	298.3	275.6	258.8	251.8
50°	291.7	278.1	254.7	237.4	231.2
52.5°	271.1	257.2	235.3	216.4	210.2
55°	251.0	237.8	214.8	196.3	189.7
57.5°	230.4	216.4	194.2	176.1	170.3
60°	210.6	196.3	174.0	155.9	149.7
62.5°	189.7	176.1	153.5	137.0	130.8
65°	170.0	155.9	134.2	117.6	111.4
67.5°	150.1	136.2	115.2	99.6	94.7
70°	130.0	116.0	95.4	82.7	77.8
72.5°	110.3	96.7	77.8	66.2	63.4
75°	90.5	78.2	60.9	51.9	49.0
77.5°	70.3	60.4	46.0	39.2	36.6
80°	53.5	43.7	32.1	28.4	27.6
82.5°	37.0	28.4	21.4	20.1	19.8
85°	22.6	15.2	13.2	12.7	12.4
87.5°	9.5	6.6	6.2	6.2	5.7
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)