

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: P888265

Luminaire Tested: **DPT5-6FO55-37V60-A-XX-UDD_4000K**

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: P888265
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: DPT5-6FO55-37V60-A-XX-UDD_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

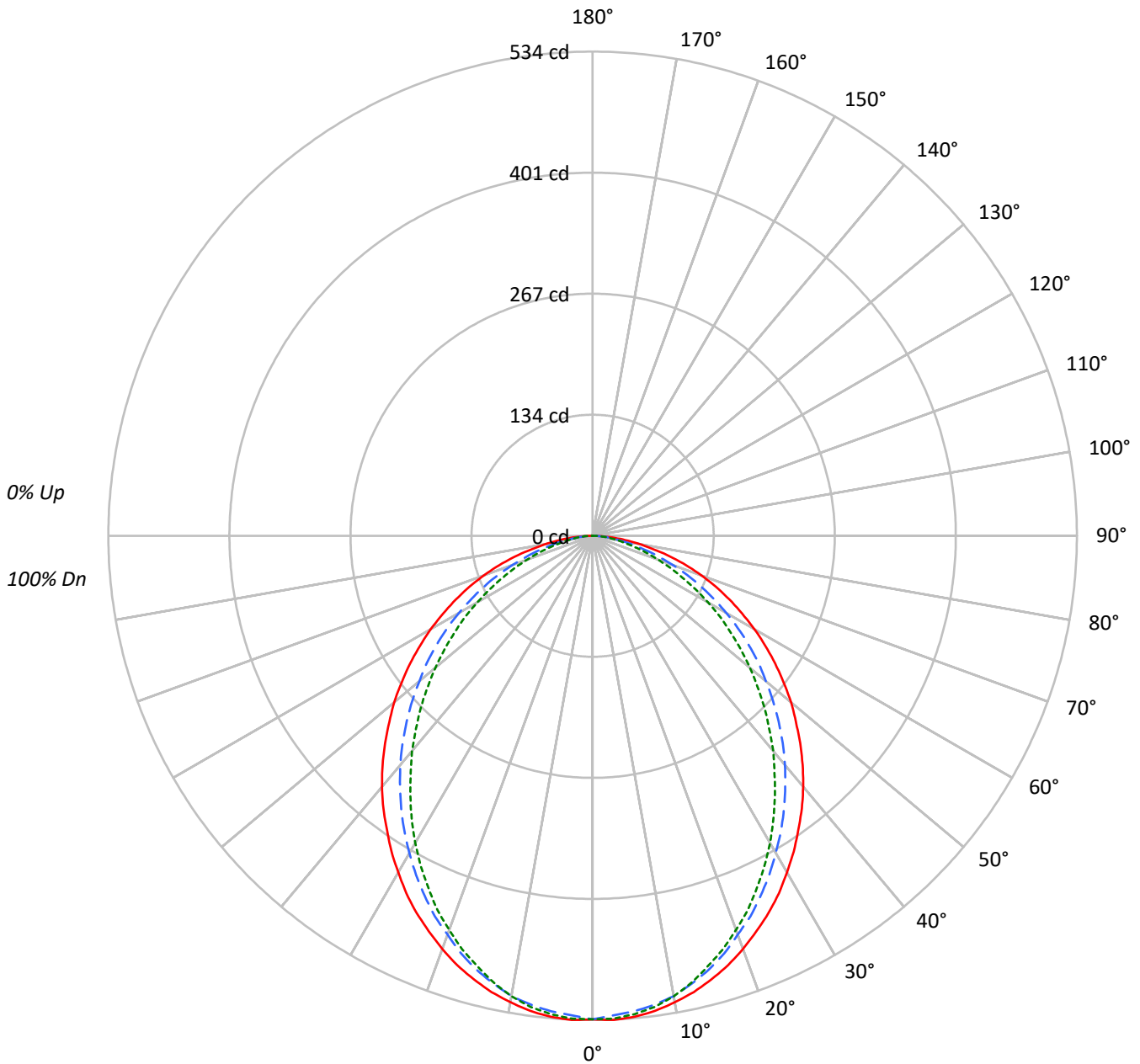
Lumens per Lamp: N/A
Luminaire Lumens: 1260.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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°	3406	3406	3406
5°	3414	3375	3395
10°	3388	3343	3343
15°	3348	3275	3249
20°	3295	3181	3143
25°	3235	3088	3020
30°	3161	2979	2884
35°	3084	2867	2732
40°	3012	2750	2583
45°	2924	2619	2420
50°	2838	2477	2249
55°	2736	2342	2068
60°	2634	2176	1872
65°	2515	1986	1649
70°	2377	1744	1421
75°	2186	1471	1184
80°	1927	1158	993
85°	1619	945	887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	4.0
10°-20°	140.3	11.1
20°-30°	203.4	16.1
30°-40°	231.7	18.4
40°-50°	225.9	17.9
50°-60°	190.1	15.1
60°-70°	133.2	10.6
70°-80°	68.3	5.4
80°-90°	17.0	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°	393.8	31.3
0°-40°	625.6	49.6
0°-60°	1041.5	82.7
0°-90°	1260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	533	533	533	533	533	
5°	532	531	526	530	530	51
15°	506	504	495	495	491	143
25°	459	453	438	433	429	211
35°	396	386	368	356	350	248
45°	324	312	290	274	268	250
55°	246	233	210	192	186	220
65°	166	153	131	115	109	165
75°	89	76	60	51	48	94
85°	22	15	13	12	12	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	533.3	533.3	533.3	533.3	533.3
2.5°	534.5	533.3	529.3	533.3	532.9
5°	532.5	530.9	526.5	530.4	529.6
7.5°	528.5	526.8	521.6	524.8	524.1
10°	522.4	521.2	515.5	516.8	515.5
12.5°	515.5	513.9	505.8	506.7	504.7
15°	506.4	503.9	495.4	495.0	491.4
17.5°	496.6	493.1	482.9	481.0	478.1
20°	484.9	481.0	468.0	466.0	462.4
22.5°	472.1	468.0	454.4	449.9	447.0
25°	459.1	453.1	438.2	433.0	428.6
27.5°	444.7	437.4	421.7	414.9	410.5
30°	428.6	421.0	404.0	394.8	391.1
32.5°	412.8	403.6	386.3	375.8	371.0
35°	395.6	385.9	367.8	356.1	350.4
37.5°	379.0	367.3	348.8	335.2	329.4
40°	361.3	349.2	329.9	314.6	309.8
42.5°	342.7	330.3	310.1	295.7	288.0
45°	323.8	312.2	290.0	273.9	267.9
47.5°	304.0	292.1	269.8	253.4	246.5
50°	285.6	272.3	249.3	232.4	226.4
52.5°	265.4	251.8	230.4	211.8	205.8
55°	245.7	232.8	210.3	192.2	185.7
57.5°	225.6	211.8	190.2	172.4	166.8
60°	206.2	192.2	170.4	152.6	146.6
62.5°	185.7	172.4	150.3	134.1	128.1
65°	166.4	152.6	131.4	115.1	109.1
67.5°	147.0	133.4	112.7	97.5	92.7
70°	127.3	113.6	93.4	80.9	76.1
72.5°	108.0	94.7	76.1	64.9	62.1
75°	88.6	76.5	59.6	50.8	48.0
77.5°	68.8	59.2	45.1	38.3	35.9
80°	52.4	42.7	31.5	27.8	27.0
82.5°	36.2	27.8	21.0	19.7	19.4
85°	22.1	14.9	12.9	12.5	12.1
87.5°	9.3	6.4	6.1	6.1	5.6
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)