

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: P888275

Luminaire Tested: **DPT5-6FO55-61V60-A-XX-UDD_3500K**

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: P888275
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: DPT5-6FO55-61V60-A-XX-UDD_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

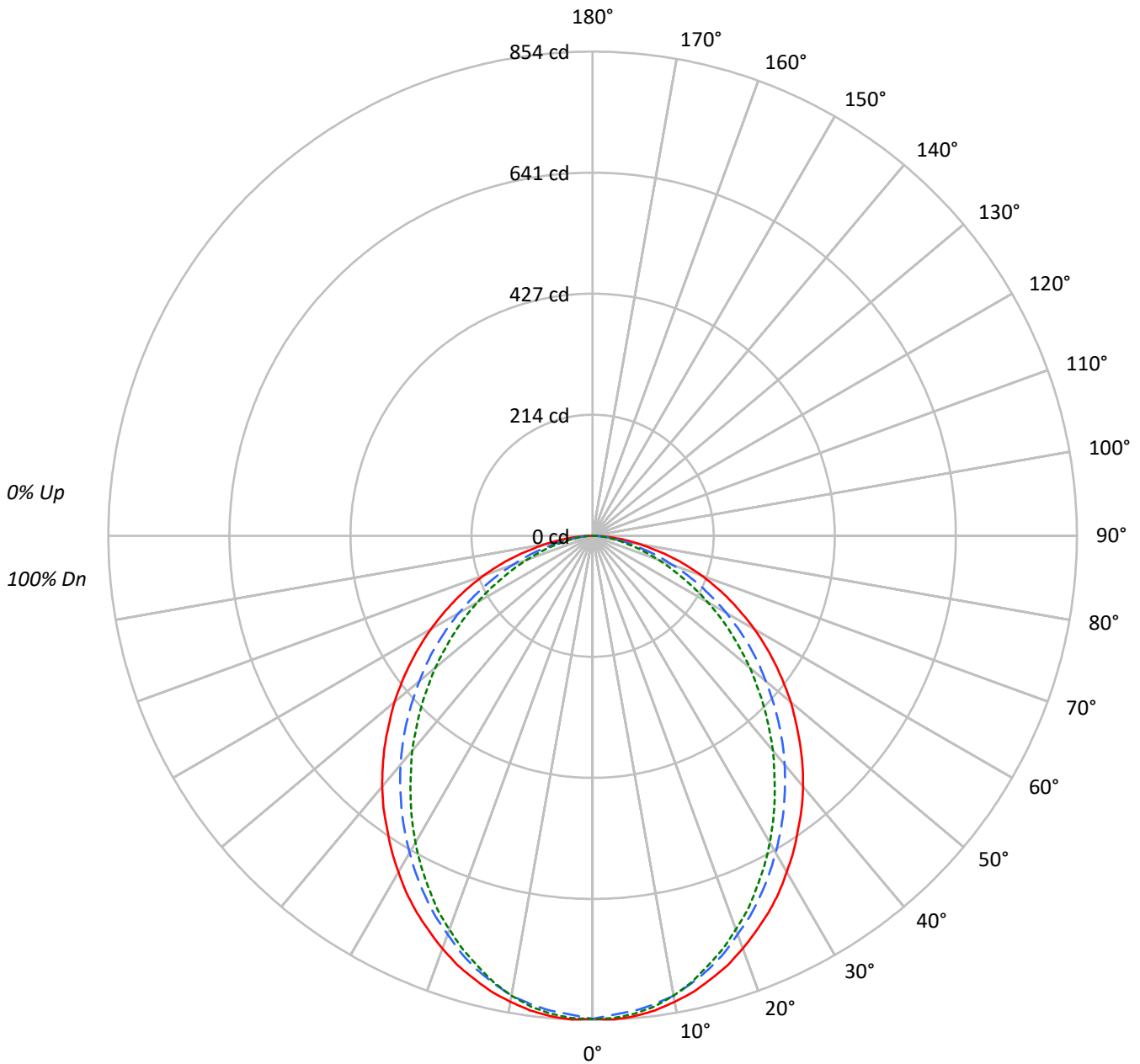
Lumens per Lamp: N/A
Luminaire Lumens: 2013.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	5442	5442	5442
5°	5454	5392	5424
10°	5412	5342	5342
15°	5349	5232	5191
20°	5265	5081	5021
25°	5169	4933	4825
30°	5049	4759	4608
35°	4926	4580	4364
40°	4813	4393	4126
45°	4672	4184	3865
50°	4532	3957	3594
55°	4371	3741	3305
60°	4209	3477	2991
65°	4017	3172	2634
70°	3798	2786	2271
75°	3494	2352	1890
80°	3078	1850	1589
85°	2587	1517	1414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	4.0
10°-20°	224.1	11.1
20°-30°	324.9	16.1
30°-40°	370.2	18.4
40°-50°	360.8	17.9
50°-60°	303.7	15.1
60°-70°	212.8	10.6
70°-80°	109.1	5.4
80°-90°	27.2	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°	629.2	31.3
0°-40°	999.4	49.6
0°-60°	1663.9	82.7
0°-90°	2013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	851	848	841	847	846	81
15°	809	805	791	791	785	228
25°	734	724	700	692	685	338
35°	632	616	588	569	560	396
45°	517	499	463	438	428	399
55°	393	372	336	307	297	351
65°	266	244	210	184	174	263
75°	142	122	95	81	77	150
85°	35	24	21	20	19	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	852.1	852.1	852.1	852.1	852.1
2.5°	854.0	852.1	845.6	852.1	851.3
5°	850.7	848.2	841.1	847.4	846.1
7.5°	844.3	841.7	833.3	838.5	837.3
10°	834.6	832.7	823.7	825.7	823.7
12.5°	823.7	821.0	808.1	809.4	806.3
15°	809.0	805.0	791.4	790.8	785.1
17.5°	793.5	787.7	771.5	768.4	763.8
20°	774.7	768.4	747.7	744.5	738.8
22.5°	754.2	747.7	726.0	718.8	714.2
25°	733.5	723.9	700.1	691.7	684.7
27.5°	710.5	698.8	673.7	662.9	655.8
30°	684.7	672.5	645.4	630.8	624.9
32.5°	659.5	644.8	617.1	600.4	592.8
35°	631.9	616.5	587.5	568.9	559.8
37.5°	605.6	586.8	557.2	535.5	526.3
40°	577.3	557.9	527.0	502.5	494.9
42.5°	547.5	527.6	495.4	472.3	460.1
45°	517.3	498.8	463.3	437.6	427.9
47.5°	485.7	466.6	431.0	404.8	393.8
50°	456.2	435.0	398.3	371.4	361.7
52.5°	424.0	402.3	368.0	338.4	328.7
55°	392.6	372.0	336.0	307.0	296.8
57.5°	360.4	338.4	303.8	275.4	266.4
60°	329.5	307.0	272.2	243.9	234.2
62.5°	296.8	275.4	240.1	214.3	204.6
65°	265.8	243.9	209.9	183.9	174.3
67.5°	234.8	213.1	180.1	155.8	148.1
70°	203.4	181.4	149.2	129.3	121.6
72.5°	172.5	151.2	121.6	103.6	99.2
75°	141.6	122.2	95.3	81.2	76.6
77.5°	109.9	94.5	72.0	61.2	57.3
80°	83.7	68.3	50.3	44.4	43.2
82.5°	57.9	44.4	33.5	31.4	30.9
85°	35.3	23.8	20.7	19.9	19.3
87.5°	14.9	10.3	9.7	9.7	9.0
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)