

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: P888271

Luminaire Tested: **DPT5-6FO55-61S35-A-XX-UDD**

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: P888271
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: DPT5-6FO55-61S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

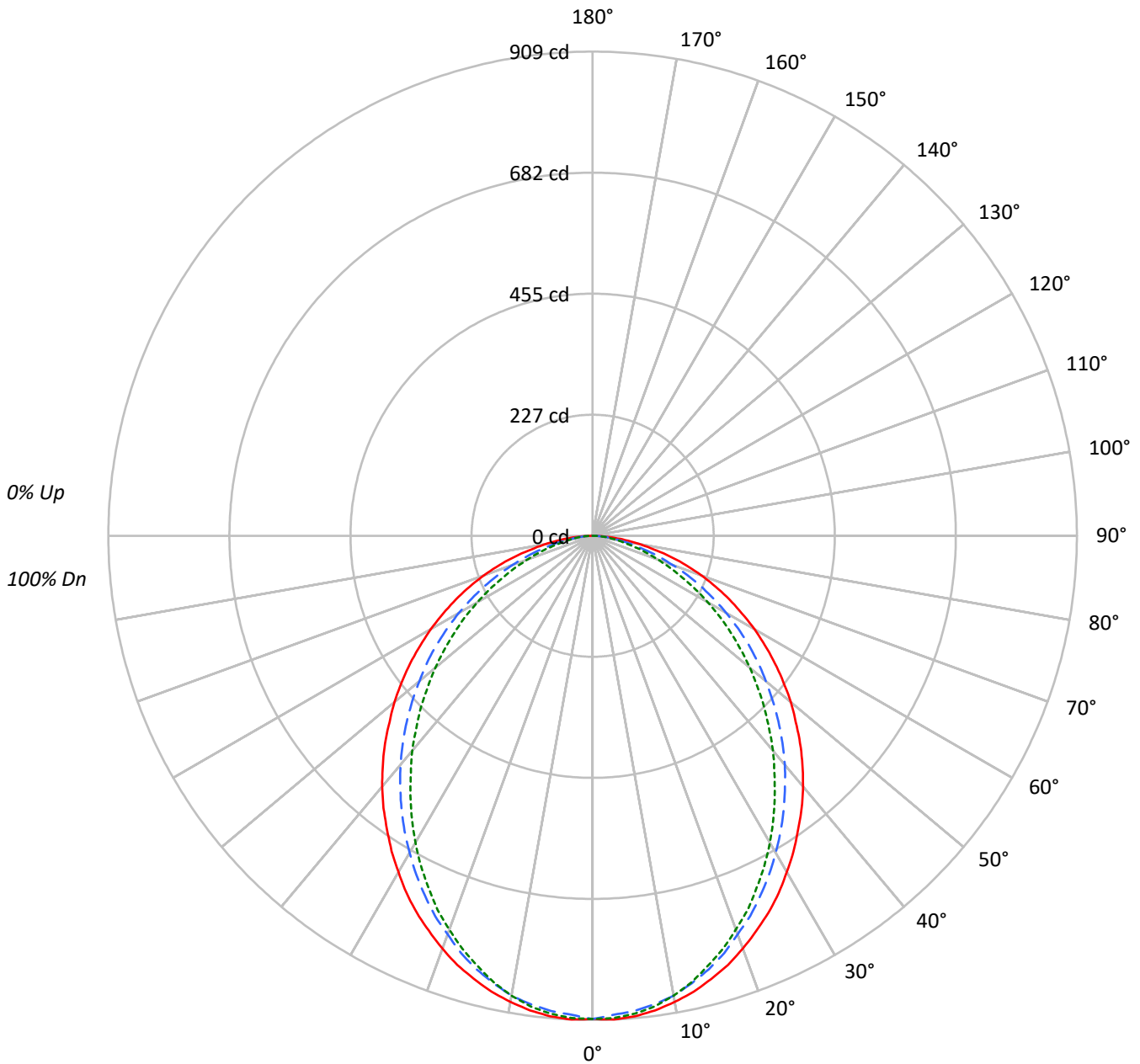
Lumens per Lamp: N/A
Luminaire Lumens: 2143.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888271

CATALOG NUMBER: DPT5-6FO55-61S35-A-XX-UDD

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°	5793	5793	5793
5°	5806	5740	5774
10°	5762	5686	5686
15°	5694	5570	5526
20°	5605	5410	5345
25°	5503	5252	5136
30°	5375	5067	4906
35°	5245	4877	4647
40°	5124	4678	4393
45°	4975	4454	4115
50°	4826	4214	3825
55°	4654	3983	3517
60°	4479	3700	3184
65°	4276	3376	2803
70°	4043	2965	2418
75°	3718	2502	2013
80°	3277	1968	1692
85°	2755	1612	1509



TEST NUMBER: P888271

CATALOG NUMBER: DPT5-6FO55-61S35-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	4.0
10°-20°	238.6	11.1
20°-30°	345.9	16.1
30°-40°	394.1	18.4
40°-50°	384.1	17.9
50°-60°	323.3	15.1
60°-70°	226.5	10.6
70°-80°	116.1	5.4
80°-90°	29.0	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°	669.8	31.3
0°-40°	1064.0	49.6
0°-60°	1771.4	82.7
0°-90°	2143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	906	903	895	902	901	86
15°	861	857	842	842	836	243
25°	781	771	745	736	729	359
35°	673	656	626	606	596	421
45°	551	531	493	466	456	425
55°	418	396	358	327	316	374
65°	283	260	223	196	186	280
75°	151	130	101	86	82	159
85°	38	25	22	21	21	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	907.1	907.1	907.1	907.1	907.1
2.5°	909.1	907.1	900.2	907.1	906.3
5°	905.7	903.0	895.4	902.1	900.7
7.5°	898.8	896.0	887.1	892.6	891.3
10°	888.5	886.5	876.8	879.0	876.8
12.5°	876.8	874.0	860.3	861.7	858.4
15°	861.2	857.0	842.5	841.9	835.8
17.5°	844.7	838.6	821.3	818.0	813.2
20°	824.7	818.0	796.0	792.6	786.5
22.5°	802.9	796.0	772.9	765.3	760.3
25°	780.9	770.6	745.3	736.4	728.9
27.5°	756.4	743.9	717.2	705.7	698.2
30°	728.9	716.0	687.1	671.5	665.3
32.5°	702.1	686.5	657.0	639.2	631.1
35°	672.8	656.4	625.5	605.7	596.0
37.5°	644.7	624.7	593.2	570.1	560.3
40°	614.6	594.0	561.1	535.0	526.9
42.5°	582.9	561.7	527.4	502.9	489.8
45°	550.8	531.1	493.2	465.9	455.6
47.5°	517.1	496.8	458.9	430.9	419.2
50°	485.7	463.1	424.1	395.3	385.0
52.5°	451.4	428.3	391.8	360.3	350.0
55°	418.0	396.0	357.7	326.8	315.9
57.5°	383.7	360.3	323.4	293.2	283.6
60°	350.7	326.8	289.7	259.6	249.3
62.5°	315.9	293.2	255.6	228.1	217.8
65°	283.0	259.6	223.4	195.8	185.5
67.5°	250.0	226.8	191.8	165.8	157.7
70°	216.5	193.2	158.8	137.6	129.5
72.5°	183.6	161.0	129.5	110.3	105.6
75°	150.7	130.1	101.4	86.4	81.6
77.5°	117.0	100.6	76.6	65.2	61.0
80°	89.1	72.7	53.5	47.3	46.0
82.5°	61.6	47.3	35.7	33.4	32.9
85°	37.6	25.3	22.0	21.2	20.6
87.5°	15.9	10.9	10.3	10.3	9.5
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)