

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: P888161

Luminaire Tested: **DPT5-6FO36-61S35-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: P888161
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: DPT5-6FO36-61S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

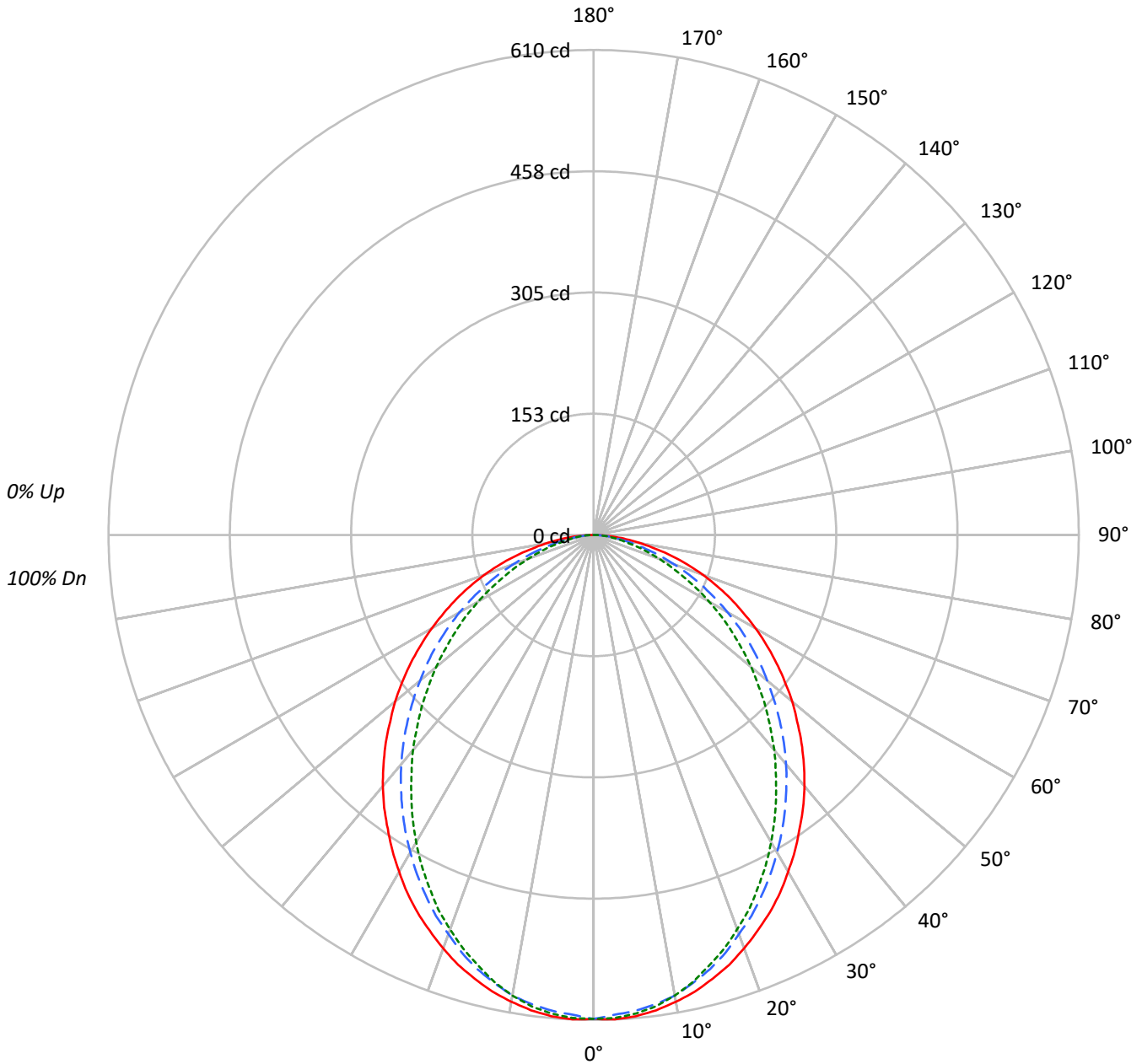
Lumens per Lamp: N/A
Luminaire Lumens: 1438.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5789	5789	5789
5°	5802	5736	5770
10°	5758	5682	5682
15°	5690	5567	5522
20°	5601	5406	5342
25°	5499	5248	5132
30°	5371	5064	4902
35°	5241	4873	4643
40°	5120	4674	4389
45°	4971	4451	4112
50°	4822	4211	3823
55°	4651	3979	3515
60°	4478	3698	3182
65°	4273	3373	2802
70°	4040	2964	2416
75°	3715	2499	2010
80°	3275	1966	1692
85°	2750	1615	1506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	4.0
10°-20°	160.1	11.1
20°-30°	232.1	16.1
30°-40°	264.5	18.4
40°-50°	257.8	17.9
50°-60°	216.9	15.1
60°-70°	152.0	10.6
70°-80°	77.9	5.4
80°-90°	19.4	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°	449.5	31.3
0°-40°	713.9	49.6
0°-60°	1188.6	82.7
0°-90°	1438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	608	606	601	605	604	58
15°	578	575	565	565	561	163
25°	524	517	500	494	489	241
35°	451	440	420	406	400	283
45°	370	356	331	313	306	285
55°	280	266	240	219	212	251
65°	190	174	150	131	124	188
75°	101	87	68	58	55	107
85°	25	17	15	14	14	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	608.7	608.7	608.7	608.7	608.7
2.5°	610.0	608.7	604.1	608.7	608.2
5°	607.7	605.9	600.8	605.4	604.4
7.5°	603.1	601.3	595.3	599.0	598.1
10°	596.2	594.9	588.4	589.8	588.4
12.5°	588.4	586.5	577.3	578.2	576.0
15°	577.9	575.1	565.4	564.9	560.8
17.5°	566.8	562.7	551.1	548.9	545.7
20°	553.4	548.9	534.1	531.8	527.8
22.5°	538.8	534.1	518.6	513.5	510.2
25°	524.0	517.1	500.1	494.2	489.1
27.5°	507.5	499.2	481.3	473.5	468.5
30°	489.1	480.4	461.1	450.6	446.4
32.5°	471.1	460.6	440.9	428.9	423.5
35°	451.4	440.4	419.7	406.4	399.9
37.5°	432.6	419.2	398.1	382.5	376.0
40°	412.4	398.6	376.5	359.0	353.5
42.5°	391.1	376.9	353.9	337.4	328.6
45°	369.6	356.4	330.9	312.6	305.7
47.5°	347.0	333.3	307.9	289.2	281.3
50°	325.9	310.7	284.6	265.3	258.4
52.5°	302.9	287.4	262.9	241.7	234.8
55°	280.5	265.7	240.0	219.3	212.0
57.5°	257.4	241.7	217.0	196.7	190.3
60°	235.4	219.3	194.4	174.2	167.3
62.5°	212.0	196.7	171.5	153.1	146.2
65°	189.9	174.2	149.9	131.4	124.5
67.5°	167.7	152.2	128.7	111.3	105.8
70°	145.3	129.6	106.6	92.4	86.9
72.5°	123.2	108.0	86.9	74.0	70.9
75°	101.1	87.3	68.0	58.0	54.7
77.5°	78.5	67.5	51.4	43.7	40.9
80°	59.8	48.8	35.9	31.7	30.9
82.5°	41.4	31.7	24.0	22.4	22.1
85°	25.2	17.0	14.8	14.2	13.8
87.5°	10.7	7.3	6.9	6.9	6.4
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)