

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: P888162

Luminaire Tested: **DPT5-6FO36-61S40-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: P888162
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: DPT5-6FO36-61S40-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

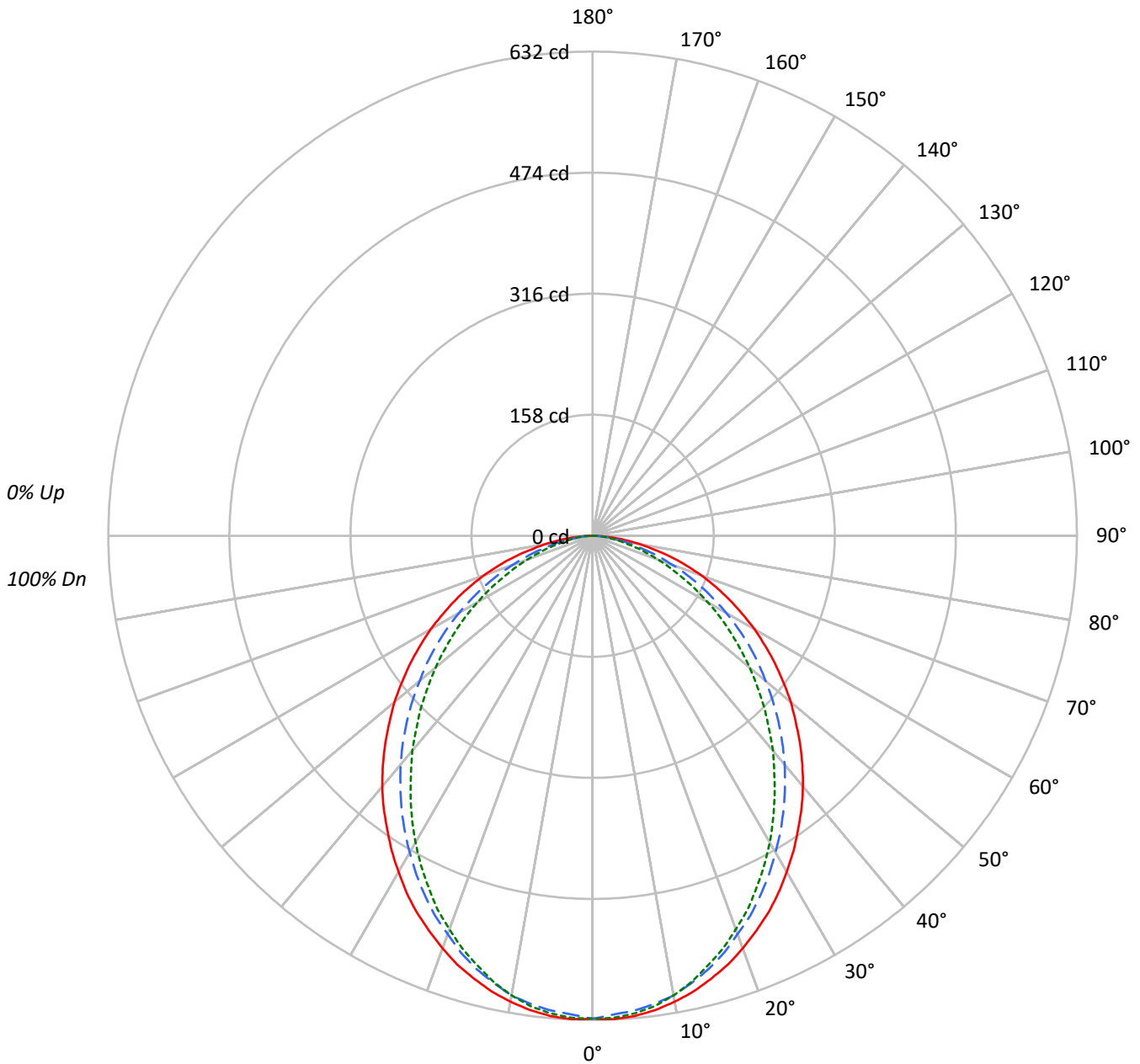
Lumens per Lamp: N/A
Luminaire Lumens: 1489.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5994	5994	5994
5°	6008	5939	5974
10°	5962	5883	5883
15°	5892	5764	5718
20°	5799	5598	5531
25°	5694	5435	5315
30°	5562	5243	5076
35°	5427	5046	4808
40°	5301	4839	4545
45°	5147	4609	4257
50°	4994	4359	3958
55°	4815	4122	3640
60°	4635	3829	3294
65°	4424	3493	2901
70°	4185	3070	2503
75°	3847	2591	2083
80°	3390	2037	1753
85°	2848	1670	1560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	4.0
10°-20°	165.8	11.1
20°-30°	240.3	16.1
30°-40°	273.8	18.4
40°-50°	266.9	17.9
50°-60°	224.6	15.1
60°-70°	157.4	10.6
70°-80°	80.7	5.4
80°-90°	20.1	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°	465.4	31.3
0°-40°	739.3	49.6
0°-60°	1230.8	82.7
0°-90°	1489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	630	630	630	630	630	
5°	629	627	622	627	626	60
15°	598	596	585	585	581	169
25°	543	535	518	512	506	250
35°	467	456	435	421	414	293
45°	383	369	343	324	316	295
55°	290	275	249	227	220	260
65°	197	180	155	136	129	195
75°	105	90	70	60	57	111
85°	26	18	15	15	14	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	630.3	630.3	630.3	630.3	630.3
2.5°	631.7	630.3	625.5	630.3	629.7
5°	629.3	627.4	622.1	626.8	625.8
7.5°	624.5	622.6	616.4	620.2	619.3
10°	617.4	616.0	609.2	610.7	609.2
12.5°	609.2	607.3	597.8	598.7	596.4
15°	598.4	595.5	585.4	585.0	580.7
17.5°	586.9	582.7	570.7	568.4	565.0
20°	573.0	568.4	553.1	550.7	546.5
22.5°	557.9	553.1	537.0	531.7	528.3
25°	542.6	535.4	517.9	511.7	506.5
27.5°	525.5	516.9	498.3	490.3	485.1
30°	506.5	497.5	477.4	466.6	462.2
32.5°	487.8	477.0	456.5	444.1	438.5
35°	467.4	456.1	434.6	420.8	414.1
37.5°	447.9	434.1	412.2	396.1	389.3
40°	427.0	412.7	389.8	371.7	366.1
42.5°	405.0	390.3	366.4	349.4	340.3
45°	382.7	369.0	342.7	323.7	316.5
47.5°	359.3	345.2	318.8	299.4	291.3
50°	337.5	321.8	294.6	274.7	267.5
52.5°	313.6	297.6	272.2	250.3	243.2
55°	290.4	275.1	248.6	227.1	219.5
57.5°	266.6	250.3	224.7	203.7	197.1
60°	243.7	227.1	201.3	180.4	173.2
62.5°	219.5	203.7	177.6	158.5	151.3
65°	196.6	180.4	155.2	136.1	128.9
67.5°	173.7	157.6	133.2	115.2	109.6
70°	150.5	134.2	110.4	95.6	90.0
72.5°	127.6	111.9	90.0	76.6	73.4
75°	104.7	90.4	70.5	60.0	56.7
77.5°	81.3	69.9	53.2	45.3	42.4
80°	61.9	50.5	37.2	32.8	32.0
82.5°	42.8	32.8	24.8	23.2	22.9
85°	26.1	17.6	15.3	14.7	14.3
87.5°	11.0	7.6	7.2	7.2	6.6
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)