

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: P888160

Luminaire Tested: **DPT5-6FO36-61S30-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: P888160  
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: DPT5-6FO36-61S30-A-XX-UDD  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

**Summary**

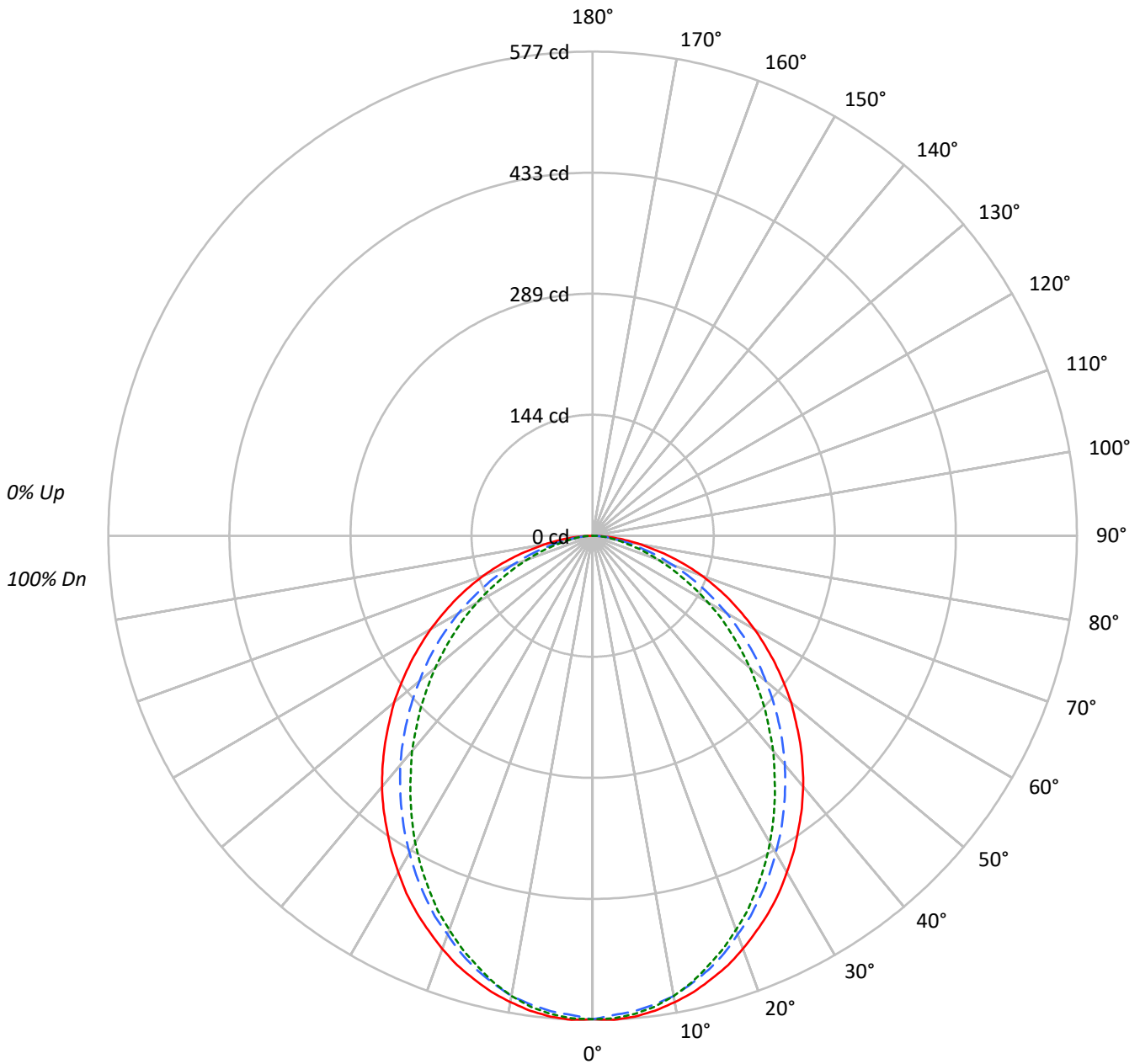
Lumens per Lamp: N/A  
Luminaire Lumens: 1361.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5479	5479	5479
5°	5491	5429	5461
10°	5450	5378	5378
15°	5385	5269	5226
20°	5301	5116	5055
25°	5204	4967	4858
30°	5083	4792	4640
35°	4961	4612	4394
40°	4846	4424	4154
45°	4705	4213	3891
50°	4564	3985	3618
55°	4401	3767	3326
60°	4238	3500	3011
65°	4044	3193	2651
70°	3823	2806	2286
75°	3517	2366	1903
80°	3100	1862	1599
85°	2608	1528	1429



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.2	4.0
10°-20°	151.5	11.1
20°-30°	219.7	16.1
30°-40°	250.3	18.4
40°-50°	244.0	17.9
50°-60°	205.3	15.1
60°-70°	143.9	10.6
70°-80°	73.8	5.4
80°-90°	18.4	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°	425.4	31.3
0°-40°	675.7	49.6
0°-60°	1125.0	82.7
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	575	574	569	573	572	55
15°	547	544	535	535	531	154
25°	496	489	473	468	463	228
35°	427	417	397	385	378	268
45°	350	337	313	296	289	270
55°	265	252	227	208	201	237
65°	180	165	142	124	118	178
75°	96	83	64	55	52	101
85°	24	16	14	14	13	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	576.1	576.1	576.1	576.1	576.1
2.5°	577.4	576.1	571.7	576.1	575.6
5°	575.2	573.5	568.7	572.9	572.0
7.5°	570.8	569.1	563.4	566.9	566.1
10°	564.3	563.0	556.9	558.2	556.9
12.5°	556.9	555.1	546.4	547.3	545.2
15°	546.9	544.3	535.1	534.7	530.8
17.5°	536.5	532.6	521.6	519.5	516.4
20°	523.8	519.5	505.5	503.4	499.5
22.5°	509.9	505.5	490.9	486.0	482.9
25°	495.9	489.4	473.3	467.7	462.9
27.5°	480.4	472.5	455.5	448.2	443.4
30°	462.9	454.7	436.4	426.5	422.5
32.5°	445.9	436.0	417.3	406.0	400.8
35°	427.3	416.8	397.2	384.6	378.5
37.5°	409.4	396.8	376.7	362.0	355.8
40°	390.3	377.2	356.3	339.8	334.6
42.5°	370.2	356.7	334.9	319.4	311.0
45°	349.8	337.3	313.2	295.9	289.3
47.5°	328.4	315.5	291.4	273.7	266.3
50°	308.5	294.1	269.3	251.1	244.5
52.5°	286.7	272.0	248.8	228.8	222.3
55°	265.4	251.5	227.2	207.6	200.6
57.5°	243.7	228.8	205.4	186.2	180.1
60°	222.8	207.6	184.0	164.9	158.3
62.5°	200.6	186.2	162.3	144.9	138.3
65°	179.7	164.9	141.9	124.4	117.8
67.5°	158.7	144.1	121.8	105.3	100.2
70°	137.5	122.7	100.9	87.4	82.2
72.5°	116.6	102.3	82.2	70.1	67.1
75°	95.7	82.6	64.4	54.9	51.8
77.5°	74.3	63.9	48.7	41.4	38.7
80°	56.6	46.2	34.0	30.0	29.2
82.5°	39.1	30.0	22.7	21.2	20.9
85°	23.9	16.1	14.0	13.5	13.1
87.5°	10.1	6.9	6.5	6.5	6.1
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)