

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: P888435

Luminaire Tested: **DPT5-6FO36-61S30-F-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: P888435  
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-F-XX-UDD  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

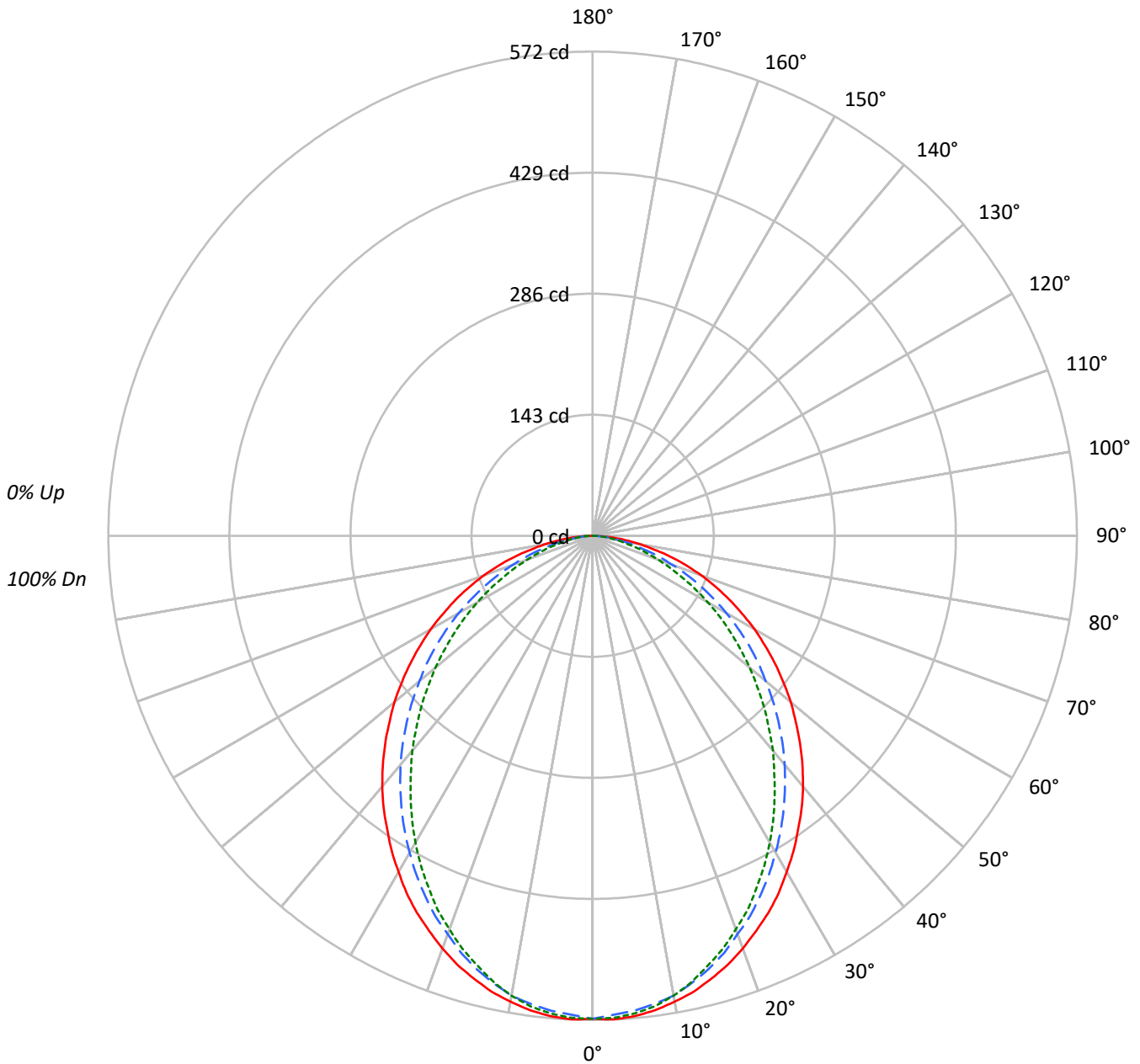
Lumens per Lamp: N/A  
Luminaire Lumens: 1348.0 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

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°	5427	5427	5427
5°	5439	5377	5409
10°	5397	5327	5327
15°	5334	5218	5176
20°	5251	5068	5007
25°	5155	4919	4811
30°	5035	4746	4596
35°	4913	4567	4353
40°	4800	4381	4114
45°	4659	4172	3855
50°	4520	3946	3584
55°	4359	3731	3295
60°	4196	3468	2983
65°	4006	3162	2626
70°	3787	2778	2266
75°	3484	2344	1885
80°	3067	1846	1583
85°	2586	1506	1408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.7	4.0
10°-20°	150.1	11.1
20°-30°	217.6	16.1
30°-40°	247.9	18.4
40°-50°	241.6	17.9
50°-60°	203.3	15.1
60°-70°	142.5	10.6
70°-80°	73.1	5.4
80°-90°	18.2	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°	421.4	31.3
0°-40°	669.3	49.6
0°-60°	1114.2	82.7
0°-90°	1348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	571	571	571	571	571	
5°	570	568	563	568	567	54
15°	542	539	530	530	526	153
25°	491	485	469	463	458	226
35°	423	413	393	381	375	265
45°	346	334	310	293	287	267
55°	263	249	225	206	199	235
65°	178	163	140	123	117	176
75°	95	82	64	54	51	100
85°	24	16	14	13	13	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	570.6	570.6	570.6	570.6	570.6
2.5°	571.9	570.6	566.3	570.6	570.1
5°	569.7	568.0	563.2	567.5	566.6
7.5°	565.4	563.6	558.0	561.5	560.7
10°	558.9	557.6	551.6	552.9	551.6
12.5°	551.6	549.8	541.2	542.0	540.0
15°	541.7	539.1	530.0	529.6	525.7
17.5°	531.3	527.5	516.6	514.5	511.5
20°	518.8	514.5	500.7	498.6	494.7
22.5°	505.0	500.7	486.2	481.4	478.3
25°	491.2	484.7	468.8	463.2	458.5
27.5°	475.8	467.9	451.2	443.9	439.2
30°	458.5	450.4	432.2	422.4	418.5
32.5°	441.6	431.8	413.3	402.1	397.0
35°	423.2	412.9	393.4	381.0	374.9
37.5°	405.5	393.0	373.1	358.6	352.4
40°	386.6	373.6	352.9	336.5	331.4
42.5°	366.7	353.3	331.7	316.3	308.1
45°	346.4	334.1	310.2	293.0	286.6
47.5°	325.3	312.5	288.6	271.1	263.7
50°	305.5	291.3	266.7	248.7	242.2
52.5°	283.9	269.4	246.4	226.6	220.1
55°	262.9	249.1	225.0	205.6	198.7
57.5°	241.3	226.6	203.4	184.4	178.4
60°	220.6	205.6	182.3	163.3	156.8
62.5°	198.7	184.4	160.8	143.5	137.0
65°	178.0	163.3	140.5	123.2	116.7
67.5°	157.2	142.7	120.6	104.3	99.2
70°	136.2	121.5	99.9	86.6	81.5
72.5°	115.5	101.3	81.5	69.4	66.4
75°	94.8	81.9	63.8	54.4	51.3
77.5°	73.6	63.3	48.2	41.0	38.4
80°	56.0	45.7	33.7	29.7	28.9
82.5°	38.8	29.7	22.5	21.0	20.7
85°	23.7	15.9	13.8	13.3	12.9
87.5°	10.0	6.9	6.5	6.5	6.0
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)