

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: P888442

Luminaire Tested: **DPT5-6FO36-61V60-F-XX-UDD\_4500K**

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: P888442  
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: DPT5-6FO36-61V60-F-XX-UDD\_4500K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

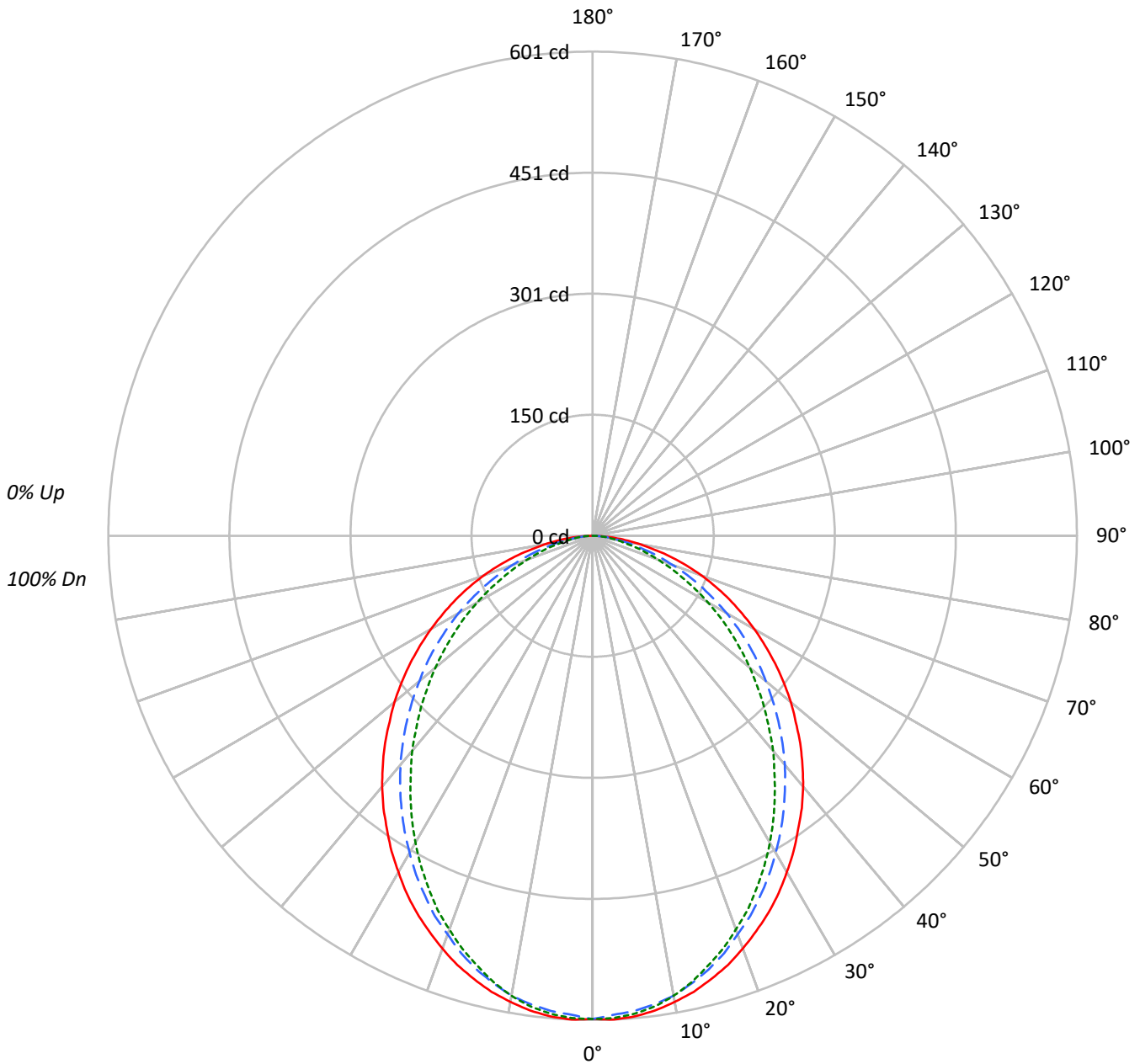
Lumens per Lamp: N/A  
Luminaire Lumens: 1417.0 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

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°	5704	5704	5704
5°	5718	5653	5686
10°	5674	5599	5599
15°	5607	5485	5441
20°	5519	5327	5263
25°	5418	5171	5058
30°	5293	4989	4831
35°	5164	4802	4576
40°	5046	4606	4325
45°	4898	4386	4051
50°	4752	4149	3767
55°	4583	3921	3464
60°	4411	3644	3137
65°	4210	3324	2761
70°	3982	2920	2380
75°	3664	2466	1981
80°	3226	1939	1665
85°	2717	1582	1484



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	4.0
10°-20°	157.7	11.1
20°-30°	228.7	16.1
30°-40°	260.6	18.4
40°-50°	254.0	17.9
50°-60°	213.8	15.1
60°-70°	149.8	10.6
70°-80°	76.8	5.4
80°-90°	19.2	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°	442.9	31.3
0°-40°	703.5	49.6
0°-60°	1171.3	82.7
0°-90°	1417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	600	600	600	600	600	
5°	599	597	592	596	596	57
15°	570	567	557	557	553	161
25°	516	510	493	487	482	238
35°	445	434	414	400	394	279
45°	364	351	326	308	301	281
55°	276	262	236	216	209	247
65°	187	172	148	130	123	185
75°	100	86	67	57	54	105
85°	25	17	14	14	14	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	599.8	599.8	599.8	599.8	599.8
2.5°	601.1	599.8	595.2	599.8	599.3
5°	598.9	597.1	592.1	596.5	595.6
7.5°	594.3	592.5	586.6	590.2	589.4
10°	587.5	586.2	579.8	581.2	579.8
12.5°	579.8	577.9	568.9	569.8	567.6
15°	569.5	566.7	557.1	556.7	552.6
17.5°	558.5	554.5	543.1	540.9	537.7
20°	545.3	540.9	526.3	524.1	520.0
22.5°	530.9	526.3	511.1	506.0	502.7
25°	516.3	509.5	492.8	486.9	482.0
27.5°	500.1	491.9	474.3	466.6	461.6
30°	482.0	473.4	454.3	444.0	439.9
32.5°	464.3	453.9	434.4	422.7	417.3
35°	444.8	434.0	413.6	400.5	394.1
37.5°	426.3	413.1	392.2	376.9	370.5
40°	406.4	392.7	371.0	353.8	348.4
42.5°	385.4	371.4	348.7	332.5	323.8
45°	364.2	351.2	326.1	308.0	301.2
47.5°	341.9	328.5	303.4	284.9	277.2
50°	321.2	306.2	280.4	261.4	254.6
52.5°	298.5	283.2	259.1	238.2	231.4
55°	276.4	261.8	236.5	216.1	208.9
57.5°	253.7	238.2	213.8	193.9	187.5
60°	231.9	216.1	191.6	171.7	164.9
62.5°	208.9	193.9	169.0	150.8	144.0
65°	187.1	171.7	147.7	129.5	122.7
67.5°	165.3	150.0	126.8	109.7	104.3
70°	143.2	127.7	105.0	91.0	85.6
72.5°	121.4	106.5	85.6	72.9	69.8
75°	99.7	86.0	67.1	57.1	53.9
77.5°	77.4	66.5	50.7	43.1	40.3
80°	58.9	48.1	35.4	31.3	30.4
82.5°	40.8	31.3	23.6	22.1	21.8
85°	24.9	16.7	14.5	14.0	13.6
87.5°	10.5	7.2	6.8	6.8	6.3
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)