

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: P888488

Luminaire Tested: **DPT5-6FO44-37V60-F-XX-UDD\_6500K**

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: P888488  
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: DPT5-6FO44-37V60-F-XX-UDD\_6500K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

**Summary**

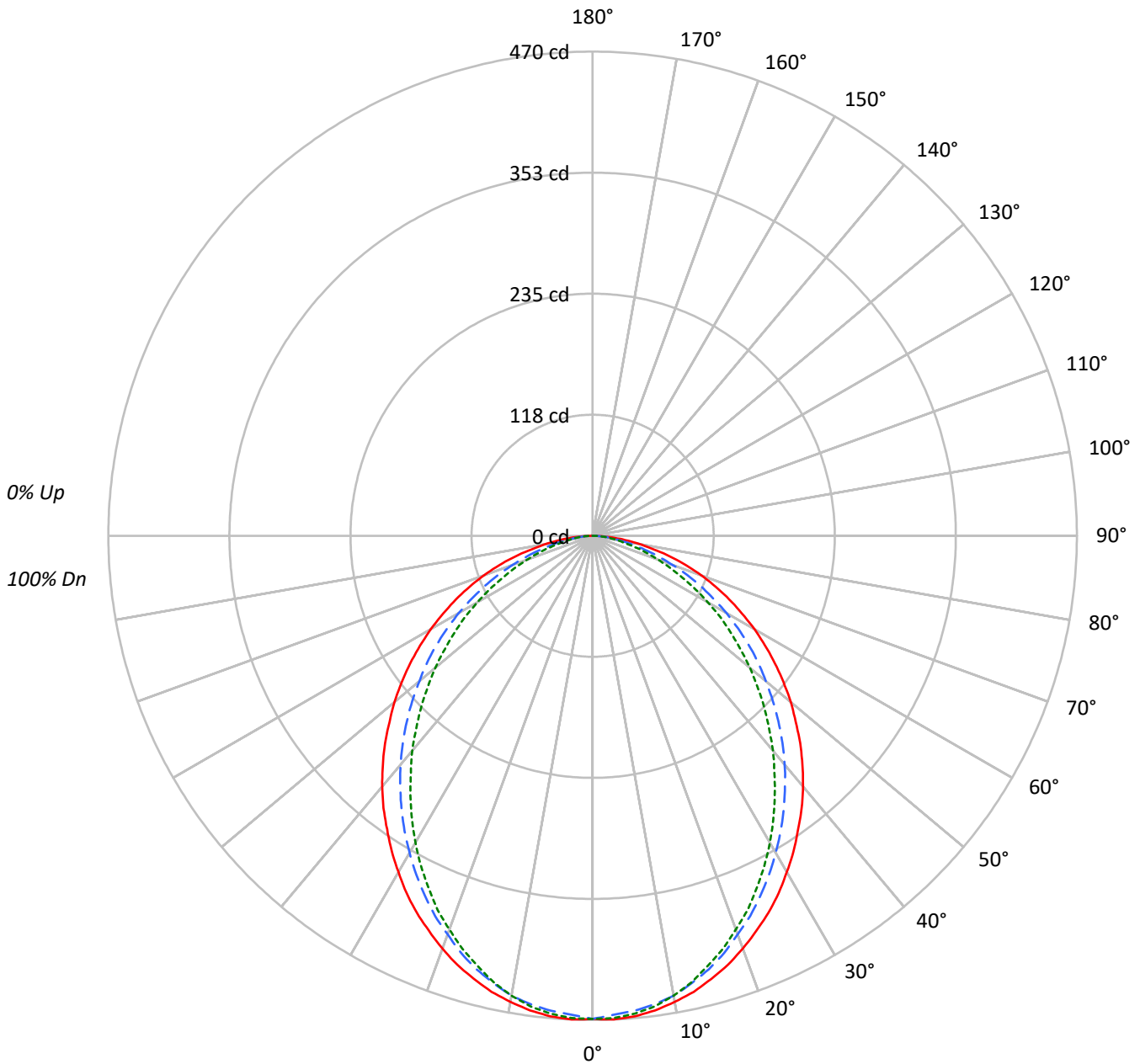
Lumens per Lamp: N/A  
Luminaire Lumens: 1108.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.8  
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°	3626	3626	3626
5°	3634	3592	3614
10°	3606	3559	3559
15°	3564	3486	3458
20°	3508	3386	3345
25°	3444	3287	3215
30°	3364	3172	3071
35°	3282	3052	2909
40°	3206	2928	2749
45°	3114	2788	2575
50°	3020	2638	2395
55°	2913	2493	2201
60°	2803	2316	1993
65°	2676	2113	1754
70°	2532	1856	1514
75°	2327	1565	1260
80°	2052	1233	1060
85°	1721	1011	940



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.1	4.0
10°-20°	123.3	11.1
20°-30°	178.9	16.1
30°-40°	203.8	18.4
40°-50°	198.6	17.9
50°-60°	167.1	15.1
60°-70°	117.1	10.6
70°-80°	60.0	5.4
80°-90°	15.0	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°	346.3	31.3
0°-40°	550.1	49.6
0°-60°	915.9	82.7
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	468	467	463	466	466	44
15°	445	443	436	435	432	126
25°	404	398	385	381	377	186
35°	348	339	323	313	308	218
45°	285	275	255	241	236	220
55°	216	205	185	169	163	193
65°	146	134	116	101	96	145
75°	78	67	52	45	42	82
85°	19	13	11	11	11	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	469.0	469.0	469.0	469.0	469.0
2.5°	470.0	469.0	465.4	469.0	468.6
5°	468.3	466.9	462.9	466.4	465.7
7.5°	464.7	463.3	458.7	461.5	460.8
10°	459.4	458.3	453.4	454.5	453.4
12.5°	453.4	451.9	444.8	445.5	443.8
15°	445.3	443.1	435.6	435.3	432.1
17.5°	436.7	433.6	424.6	422.9	420.4
20°	426.4	422.9	411.6	409.8	406.6
22.5°	415.1	411.6	399.6	395.7	393.1
25°	403.8	398.4	385.4	380.8	376.9
27.5°	391.1	384.6	370.8	364.9	361.0
30°	376.9	370.2	355.3	347.2	344.0
32.5°	363.0	354.9	339.7	330.5	326.3
35°	347.8	339.4	323.4	313.1	308.2
37.5°	333.3	323.0	306.7	294.7	289.7
40°	317.7	307.1	290.1	276.6	272.4
42.5°	301.4	290.4	272.7	260.0	253.2
45°	284.8	274.6	255.0	240.9	235.5
47.5°	267.3	256.8	237.3	222.8	216.8
50°	251.1	239.4	219.3	204.4	199.1
52.5°	233.4	221.4	202.6	186.3	180.9
55°	216.1	204.7	185.0	169.0	163.3
57.5°	198.4	186.3	167.2	151.6	146.7
60°	181.3	169.0	149.8	134.2	128.9
62.5°	163.3	151.6	132.1	117.9	112.6
65°	146.3	134.2	115.5	101.2	95.9
67.5°	129.2	117.3	99.1	85.7	81.5
70°	112.0	99.9	82.1	71.2	67.0
72.5°	94.9	83.2	67.0	57.0	54.6
75°	77.9	67.3	52.4	44.7	42.2
77.5°	60.5	52.0	39.6	33.7	31.5
80°	46.1	37.6	27.7	24.4	23.8
82.5°	31.9	24.4	18.5	17.3	17.0
85°	19.4	13.1	11.4	11.0	10.6
87.5°	8.2	5.7	5.3	5.3	4.9
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)