

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: P888268

Luminaire Tested: **DPT5-6FO55-37V60-A-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: P888268  
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: DPT5-6FO55-37V60-A-XX-UDD\_6500K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

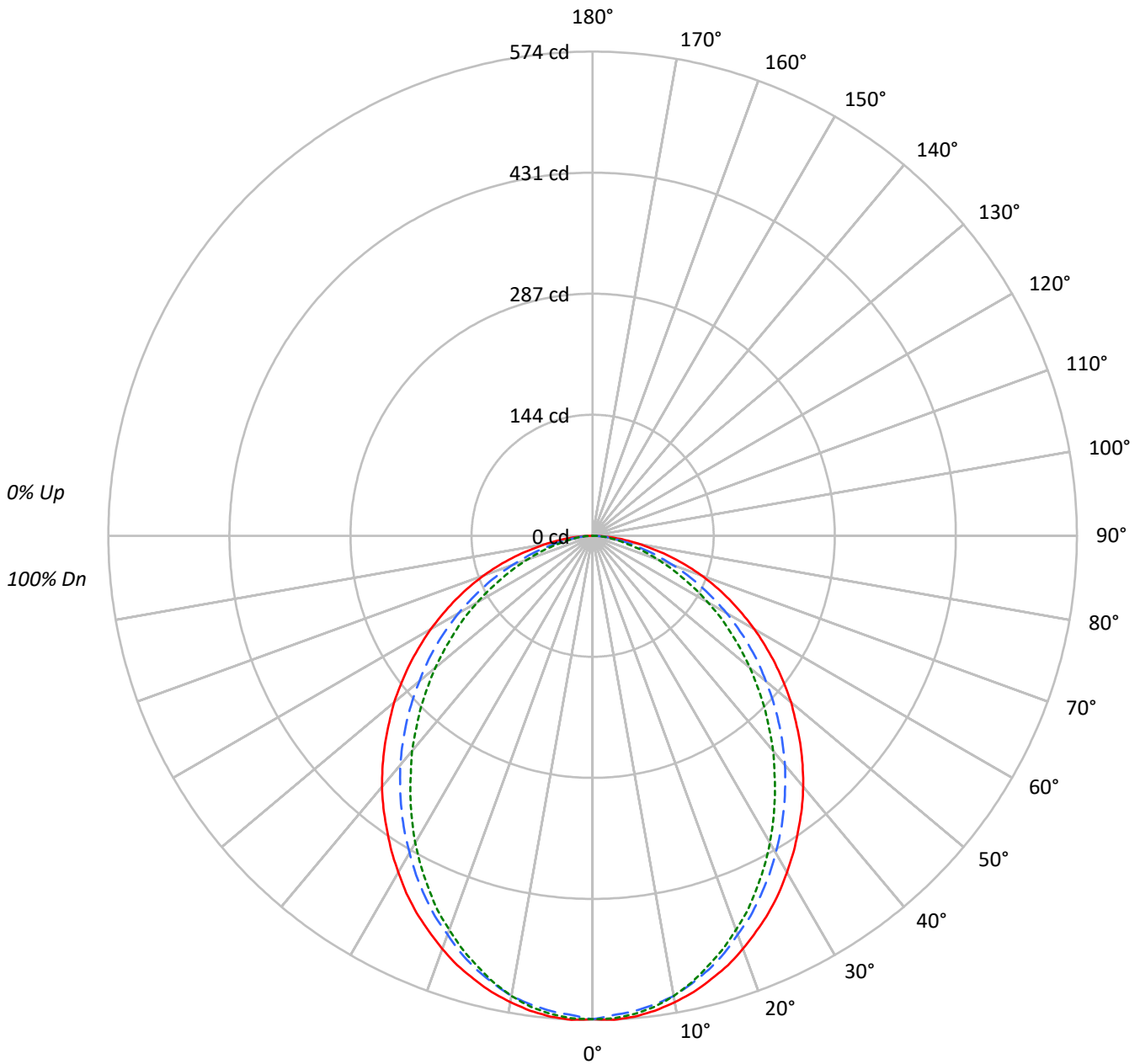
Lumens per Lamp: N/A  
Luminaire Lumens: 1354.0 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.1  
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°	3660	3660	3660
5°	3668	3627	3648
10°	3641	3593	3593
15°	3597	3519	3492
20°	3541	3418	3377
25°	3477	3318	3246
30°	3397	3201	3099
35°	3314	3081	2936
40°	3237	2955	2775
45°	3143	2814	2599
50°	3049	2662	2417
55°	2941	2516	2222
60°	2830	2339	2012
65°	2702	2134	1771
70°	2554	1875	1527
75°	2349	1582	1271
80°	2071	1243	1070
85°	1744	1019	953



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.9	4.0
10°-20°	150.7	11.1
20°-30°	218.6	16.1
30°-40°	249.0	18.4
40°-50°	242.7	17.9
50°-60°	204.2	15.1
60°-70°	143.1	10.6
70°-80°	73.4	5.4
80°-90°	18.3	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°	423.2	31.3
0°-40°	672.2	49.6
0°-60°	1119.2	82.7
0°-90°	1354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1354.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	573	573	573	573	573	
5°	572	571	566	570	569	54
15°	544	542	532	532	528	153
25°	493	487	471	465	461	227
35°	425	415	395	383	377	266
45°	348	336	312	294	288	268
55°	264	250	226	206	200	236
65°	179	164	141	124	117	177
75°	95	82	64	55	52	101
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°	573.1	573.1	573.1	573.1	573.1
2.5°	574.4	573.1	568.8	573.1	572.6
5°	572.2	570.6	565.7	570.0	569.1
7.5°	567.9	566.1	560.5	564.0	563.2
10°	561.4	560.1	554.0	555.4	554.0
12.5°	554.0	552.2	543.6	544.5	542.4
15°	544.1	541.5	532.3	531.9	528.1
17.5°	533.7	529.8	518.9	516.8	513.8
20°	521.1	516.8	502.9	500.8	496.9
22.5°	507.3	502.9	488.3	483.5	480.4
25°	493.4	486.9	470.9	465.3	460.6
27.5°	477.9	470.0	453.2	445.9	441.1
30°	460.6	452.4	434.1	424.3	420.3
32.5°	443.6	433.7	415.1	403.9	398.7
35°	425.1	414.7	395.2	382.7	376.6
37.5°	407.3	394.7	374.8	360.2	354.0
40°	388.3	375.3	354.5	338.0	332.9
42.5°	368.3	354.9	333.2	317.7	309.4
45°	348.0	335.5	311.6	294.3	287.8
47.5°	326.7	313.9	289.9	272.3	264.9
50°	306.9	292.6	267.9	249.8	243.3
52.5°	285.2	270.6	247.5	227.6	221.1
55°	264.1	250.2	226.0	206.5	199.6
57.5°	242.4	227.6	204.3	185.2	179.2
60°	221.6	206.5	183.1	164.0	157.5
62.5°	199.6	185.2	161.5	144.1	137.6
65°	178.8	164.0	141.2	123.7	117.2
67.5°	157.9	143.3	121.2	104.8	99.6
70°	136.8	122.0	100.4	87.0	81.8
72.5°	116.0	101.7	81.8	69.7	66.7
75°	95.2	82.2	64.1	54.6	51.5
77.5°	73.9	63.6	48.4	41.2	38.5
80°	56.3	45.9	33.8	29.9	29.1
82.5°	38.9	29.9	22.6	21.1	20.8
85°	23.8	16.0	13.9	13.4	13.0
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)