

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: P888272

Luminaire Tested: **DPT5-6FO55-61S40-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: P888272  
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: DPT5-6FO55-61S40-A-XX-UDD  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

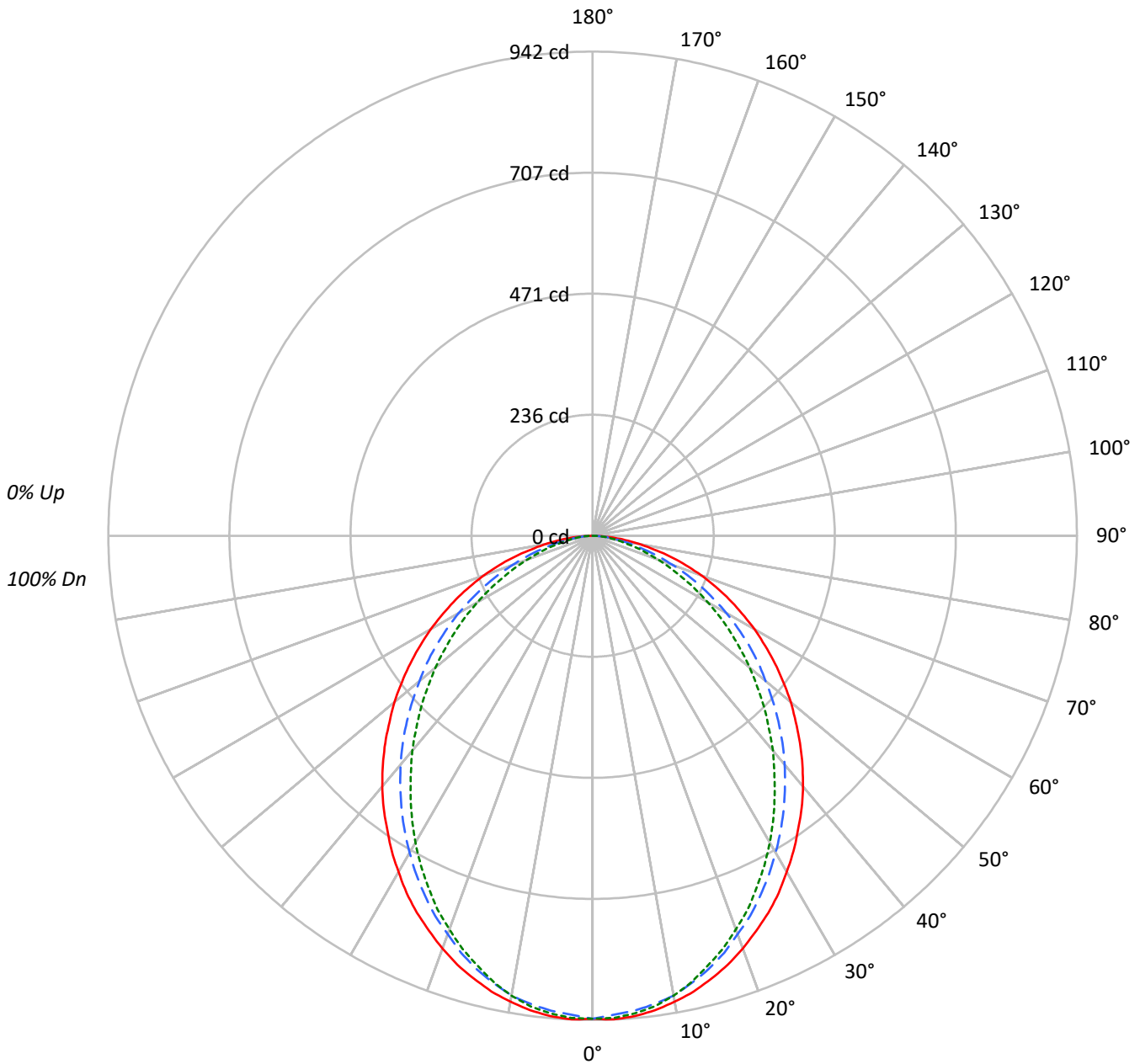
Lumens per Lamp: N/A  
Luminaire Lumens: 2220.0 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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°	6001	6001	6001
5°	6015	5947	5982
10°	5969	5890	5890
15°	5899	5771	5724
20°	5807	5604	5538
25°	5701	5441	5321
30°	5568	5249	5082
35°	5433	5052	4813
40°	5307	4845	4550
45°	5153	4614	4262
50°	4998	4365	3963
55°	4821	4126	3644
60°	4640	3834	3299
65°	4431	3497	2904
70°	4188	3073	2504
75°	3852	2593	2085
80°	3395	2037	1754
85°	2858	1671	1561



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.4	4.0
10°-20°	247.1	11.1
20°-30°	358.3	16.1
30°-40°	408.3	18.4
40°-50°	397.9	17.9
50°-60°	334.9	15.1
60°-70°	234.7	10.6
70°-80°	120.3	5.4
80°-90°	30.0	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°	693.9	31.3
0°-40°	1102.2	49.6
0°-60°	1835.0	82.7
0°-90°	2220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2220.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	938	936	928	934	933	89
15°	892	888	873	872	866	252
25°	809	798	772	763	755	372
35°	697	680	648	627	617	436
45°	570	550	511	483	472	440
55°	433	410	371	339	327	387
65°	293	269	231	203	192	290
75°	156	135	105	90	84	165
85°	39	26	23	22	21	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	939.7	939.7	939.7	939.7	939.7
2.5°	941.8	939.7	932.6	939.7	938.9
5°	938.2	935.5	927.6	934.5	933.1
7.5°	931.1	928.2	919.0	924.7	923.4
10°	920.5	918.4	908.3	910.6	908.3
12.5°	908.3	905.5	891.2	892.7	889.3
15°	892.2	887.8	872.8	872.1	865.8
17.5°	875.0	868.7	850.8	847.4	842.4
20°	854.4	847.4	824.6	821.1	814.8
22.5°	831.7	824.6	800.7	792.8	787.6
25°	809.0	798.3	772.1	762.9	755.1
27.5°	783.6	770.6	743.0	731.0	723.3
30°	755.1	741.7	711.8	695.6	689.2
32.5°	727.3	711.1	680.6	662.2	653.7
35°	696.9	679.9	648.0	627.4	617.4
37.5°	667.8	647.2	614.5	590.6	580.4
40°	636.6	615.3	581.2	554.2	545.8
42.5°	603.9	581.9	546.3	520.9	507.4
45°	570.5	550.1	510.9	482.6	471.9
47.5°	535.7	514.6	475.4	446.4	434.3
50°	503.1	479.7	439.3	409.5	398.9
52.5°	467.6	443.6	405.9	373.2	362.6
55°	433.0	410.2	370.6	338.6	327.3
57.5°	397.4	373.2	335.0	303.7	293.8
60°	363.3	338.6	300.2	269.0	258.3
62.5°	327.3	303.7	264.7	236.3	225.6
65°	293.2	269.0	231.4	202.9	192.2
67.5°	258.9	235.0	198.7	171.8	163.4
70°	224.3	200.1	164.6	142.6	134.1
72.5°	190.2	166.8	134.1	114.3	109.4
75°	156.1	134.8	105.1	89.5	84.5
77.5°	121.2	104.3	79.4	67.5	63.2
80°	92.3	75.3	55.4	49.0	47.7
82.5°	63.8	49.0	37.0	34.6	34.1
85°	39.0	26.2	22.8	22.0	21.3
87.5°	16.5	11.3	10.7	10.7	9.9
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)