

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: P888274

Luminaire Tested: **DPT5-6FO55-61V60-A-XX-UDD\_3000K**

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: P888274  
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: DPT5-6FO55-61V60-A-XX-UDD\_3000K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

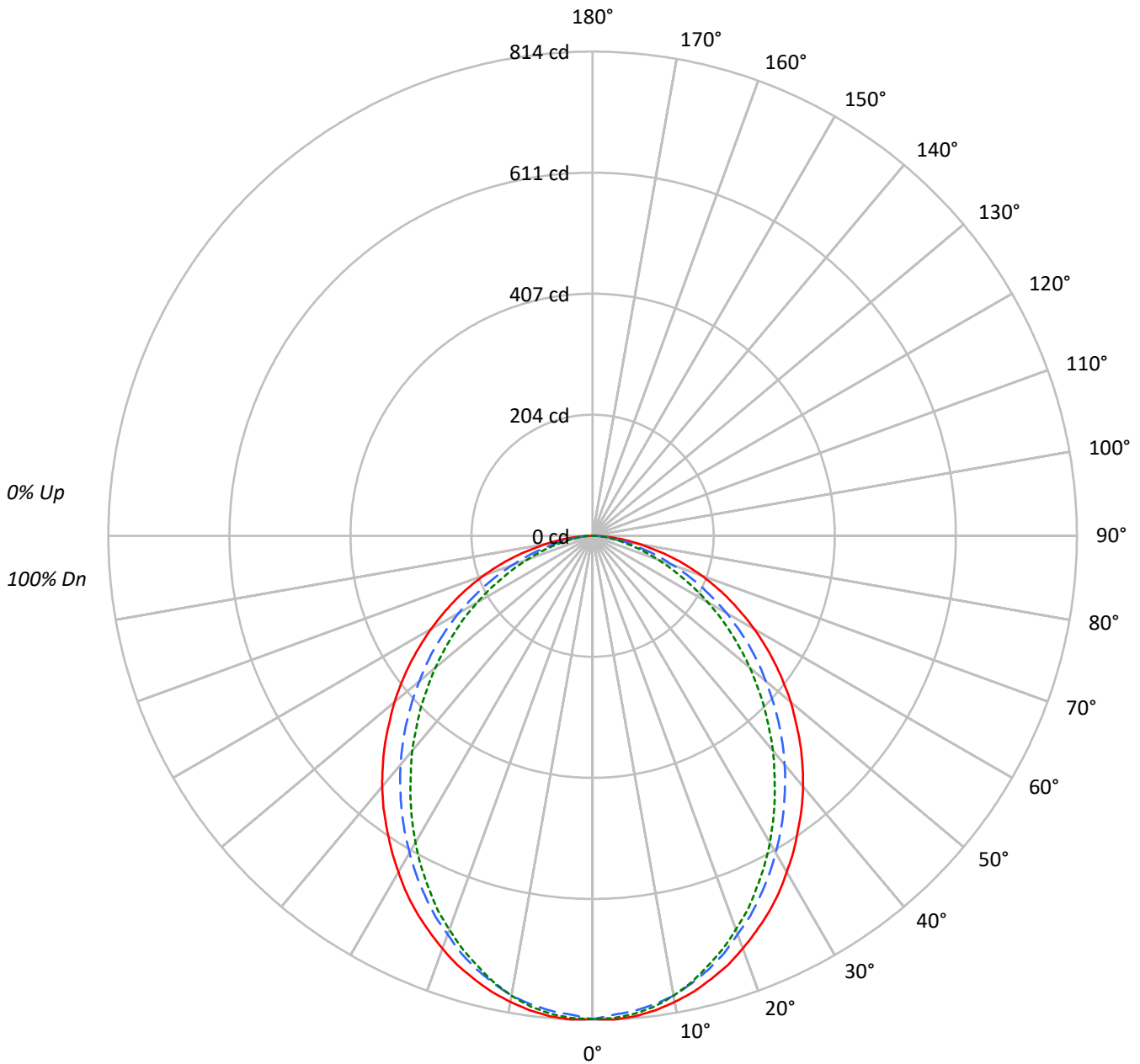
Lumens per Lamp: N/A  
Luminaire Lumens: 1919.0 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')  
CIE Type: Direct

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°	5188	5188	5188
5°	5199	5140	5171
10°	5160	5092	5092
15°	5099	4988	4948
20°	5019	4844	4787
25°	4928	4703	4599
30°	4813	4537	4393
35°	4696	4367	4161
40°	4588	4188	3933
45°	4454	3988	3685
50°	4321	3772	3426
55°	4168	3566	3150
60°	4012	3314	2852
65°	3829	3024	2510
70°	3621	2655	2166
75°	3331	2240	1804
80°	2935	1762	1515
85°	2469	1444	1348



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.4	4.0
10°-20°	213.6	11.1
20°-30°	309.8	16.1
30°-40°	352.9	18.4
40°-50°	344.0	17.9
50°-60°	289.5	15.1
60°-70°	202.9	10.6
70°-80°	104.0	5.4
80°-90°	25.9	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°	599.8	31.3
0°-40°	952.7	49.6
0°-60°	1586.2	82.7
0°-90°	1919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1919.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	811	809	802	808	807	77
15°	771	767	754	754	748	217
25°	699	690	667	659	653	322
35°	602	588	560	542	534	377
45°	493	476	442	417	408	380
55°	374	355	320	293	283	335
65°	253	232	200	175	166	251
75°	135	116	91	77	73	143
85°	34	23	20	19	18	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	812.3	812.3	812.3	812.3	812.3
2.5°	814.1	812.3	806.1	812.3	811.6
5°	811.0	808.6	801.8	807.8	806.6
7.5°	804.9	802.4	794.4	799.3	798.2
10°	795.7	793.8	785.2	787.1	785.2
12.5°	785.2	782.7	770.4	771.6	768.7
15°	771.2	767.4	754.5	753.9	748.4
17.5°	756.4	750.9	735.5	732.5	728.2
20°	738.5	732.5	712.8	709.7	704.3
22.5°	719.0	712.8	692.1	685.3	680.8
25°	699.3	690.1	667.4	659.4	652.7
27.5°	677.3	666.2	642.3	631.9	625.2
30°	652.7	641.1	615.3	601.3	595.7
32.5°	628.7	614.7	588.3	572.4	565.1
35°	602.4	587.8	560.1	542.4	533.7
37.5°	577.3	559.4	531.2	510.5	501.7
40°	550.3	531.9	502.4	479.1	471.8
42.5°	522.0	503.0	472.3	450.3	438.6
45°	493.2	475.6	441.6	417.2	408.0
47.5°	463.0	444.8	410.9	385.9	375.4
50°	434.9	414.7	379.7	354.0	344.8
52.5°	404.2	383.5	350.8	322.6	313.4
55°	374.3	354.6	320.3	292.7	282.9
57.5°	343.5	322.6	289.6	262.5	254.0
60°	314.1	292.7	259.5	232.5	223.3
62.5°	282.9	262.5	228.8	204.3	195.0
65°	253.4	232.5	200.1	175.4	166.1
67.5°	223.8	203.1	171.7	148.5	141.2
70°	193.9	173.0	142.2	123.2	116.0
72.5°	164.4	144.2	116.0	98.8	94.6
75°	135.0	116.5	90.8	77.4	73.1
77.5°	104.8	90.1	68.6	58.4	54.6
80°	79.8	65.1	47.9	42.3	41.2
82.5°	55.2	42.3	32.0	29.9	29.5
85°	33.7	22.6	19.7	19.0	18.4
87.5°	14.2	9.8	9.2	9.2	8.5
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)