

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: P888278

Luminaire Tested: **DPT5-6FO55-61V60-A-XX-UDD\_5000K**

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: P888278  
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\_5000K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

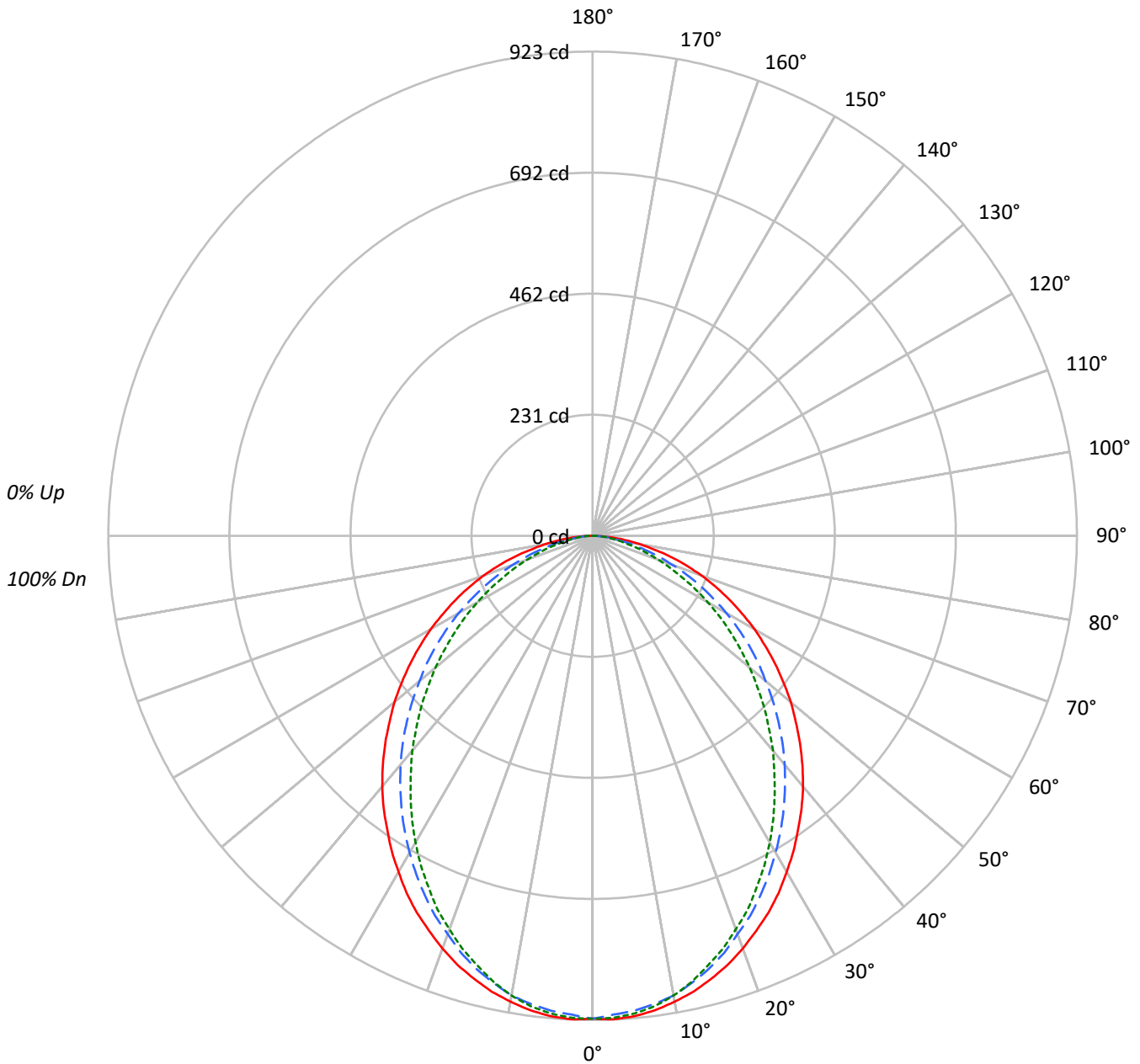
Lumens per Lamp: N/A  
Luminaire Lumens: 2175.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P888278

CATALOG NUMBER: DPT5-6FO55-61V60-A-XX-UDD\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P888278

CATALOG NUMBER: DPT5-6FO55-61V60-A-XX-UDD\_5000K

**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°	5879	5879	5879
5°	5893	5826	5861
10°	5848	5771	5771
15°	5779	5654	5609
20°	5689	5491	5425
25°	5585	5330	5213
30°	5455	5143	4979
35°	5323	4949	4716
40°	5200	4747	4458
45°	5049	4521	4176
50°	4897	4276	3883
55°	4723	4043	3570
60°	4547	3756	3233
65°	4340	3426	2845
70°	4104	3010	2454
75°	3775	2539	2043
80°	3325	1997	1717
85°	2799	1634	1531



TEST NUMBER: P888278

CATALOG NUMBER: DPT5-6FO55-61V60-A-XX-UDD\_5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.6	4.0
10°-20°	242.1	11.1
20°-30°	351.1	16.1
30°-40°	400.0	18.4
40°-50°	389.9	17.9
50°-60°	328.1	15.1
60°-70°	229.9	10.6
70°-80°	117.9	5.4
80°-90°	29.4	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°	679.8	31.3
0°-40°	1079.8	49.6
0°-60°	1797.8	82.7
0°-90°	2175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	919	916	909	916	914	87
15°	874	870	855	854	848	246
25°	793	782	756	747	740	365
35°	683	666	635	615	605	428
45°	559	539	501	473	462	431
55°	424	402	363	332	321	379
65°	287	264	227	199	188	284
75°	153	132	103	88	83	162
85°	38	26	22	22	21	44
90°	0	0	0	0	0	



TEST NUMBER: P888278

CATALOG NUMBER: DPT5-6FO55-61V60-A-XX-UDD\_5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	920.6	920.6	920.6	920.6	920.6
2.5°	922.7	920.6	913.7	920.6	919.9
5°	919.2	916.5	908.8	915.6	914.2
7.5°	912.3	909.4	900.4	905.9	904.6
10°	901.8	899.7	889.9	892.1	889.9
12.5°	889.9	887.1	873.2	874.6	871.2
15°	874.1	869.8	855.1	854.5	848.3
17.5°	857.3	851.1	833.6	830.2	825.3
20°	837.1	830.2	807.9	804.4	798.2
22.5°	814.9	807.9	784.4	776.7	771.7
25°	792.6	782.1	756.4	747.4	739.8
27.5°	767.7	755.0	727.9	716.2	708.6
30°	739.8	726.7	697.4	681.5	675.2
32.5°	712.6	696.7	666.8	648.8	640.5
35°	682.8	666.2	634.8	614.7	604.9
37.5°	654.3	634.0	602.1	578.6	568.7
40°	623.7	602.8	569.4	543.0	534.7
42.5°	591.6	570.1	535.3	510.4	497.1
45°	559.0	539.0	500.6	472.8	462.4
47.5°	524.8	504.2	465.7	437.4	425.5
50°	492.9	470.0	430.4	401.2	390.8
52.5°	458.1	434.7	397.6	365.6	355.2
55°	424.2	401.9	363.1	331.7	320.6
57.5°	389.4	365.6	328.2	297.5	287.9
60°	356.0	331.7	294.1	263.5	253.1
62.5°	320.6	297.5	259.4	231.5	221.1
65°	287.2	263.5	226.7	198.8	188.3
67.5°	253.7	230.2	194.6	168.3	160.1
70°	219.8	196.0	161.2	139.7	131.4
72.5°	186.4	163.4	131.4	112.0	107.2
75°	153.0	132.1	102.9	87.7	82.8
77.5°	118.8	102.1	77.8	66.2	61.9
80°	90.4	73.8	54.3	48.0	46.7
82.5°	62.6	48.0	36.2	33.9	33.4
85°	38.2	25.7	22.3	21.5	20.9
87.5°	16.1	11.1	10.4	10.4	9.7
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)