

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: P888136

Luminaire Tested: **DPT5-6FO36-109V60-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: P888136  
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: DPT5-6FO36-109V60-A-XX-UDD\_6500K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

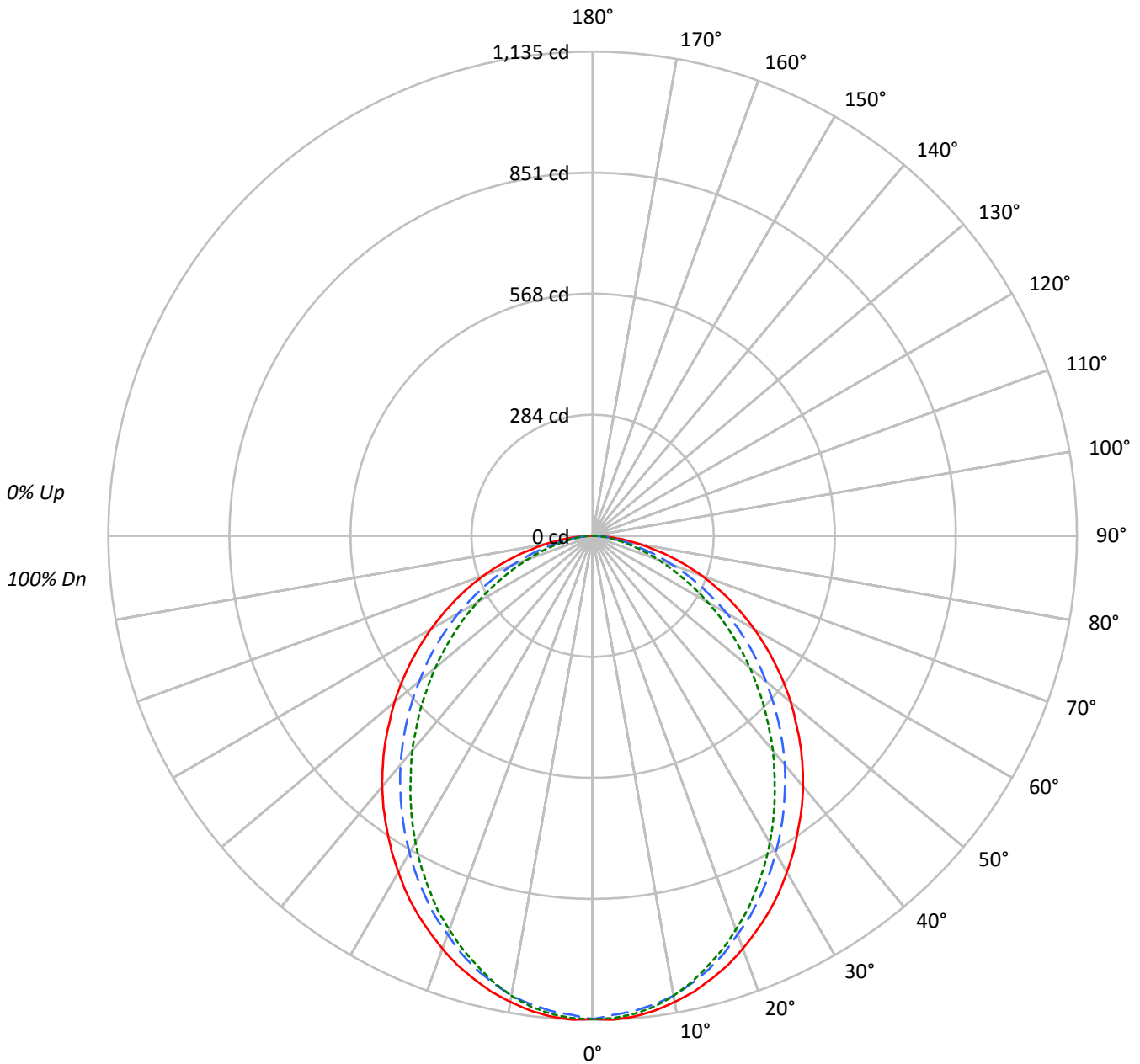
Lumens per Lamp: N/A  
Luminaire Lumens: 2676.0 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.7  
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: P888136

CATALOG NUMBER: DPT5-6FO36-109V60-A-XX-UDD\_6500K

### Luminous Intensity Polar Plot





TEST NUMBER: P888136

CATALOG NUMBER: DPT5-6FO36-109V60-A-XX-UDD\_6500K

**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°	10773	10773	10773
5°	10798	10674	10738
10°	10715	10574	10574
15°	10588	10359	10276
20°	10424	10060	9940
25°	10232	9767	9551
30°	9996	9422	9123
35°	9754	9068	8640
40°	9527	8698	8168
45°	9250	8284	7652
50°	8974	7834	7114
55°	8654	7407	6541
60°	8331	6882	5921
65°	7953	6279	5214
70°	7519	5517	4496
75°	6916	4652	3744
80°	6090	3659	3144
85°	5129	3001	2804



TEST NUMBER: P888136

CATALOG NUMBER: DPT5-6FO36-109V60-A-XX-UDD\_6500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.6	4.0
10°-20°	297.9	11.1
20°-30°	431.9	16.1
30°-40°	492.1	18.4
40°-50°	479.6	17.9
50°-60°	403.7	15.1
60°-70°	282.9	10.6
70°-80°	145.0	5.4
80°-90°	36.2	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°	836.4	31.3
0°-40°	1328.6	49.6
0°-60°	2211.9	82.7
0°-90°	2676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1131	1128	1118	1126	1125	107
15°	1075	1070	1052	1051	1044	303
25°	975	962	931	920	910	449
35°	840	820	781	756	744	526
45°	688	663	616	582	569	530
55°	522	494	447	408	394	467
65°	353	324	279	244	232	350
75°	188	162	127	108	102	199
85°	47	32	28	26	26	54
90°	0	0	0	0	0	



TEST NUMBER: P888136

CATALOG NUMBER: DPT5-6FO36-109V60-A-XX-UDD\_6500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1132.7	1132.7	1132.7	1132.7	1132.7
2.5°	1135.2	1132.7	1124.1	1132.7	1131.7
5°	1131.0	1127.6	1118.1	1126.5	1124.8
7.5°	1122.4	1118.9	1107.8	1114.6	1113.0
10°	1109.5	1107.0	1094.9	1097.6	1094.9
12.5°	1094.9	1091.4	1074.3	1076.0	1071.9
15°	1075.4	1070.2	1052.1	1051.3	1043.7
17.5°	1054.8	1047.2	1025.6	1021.5	1015.4
20°	1029.9	1021.5	994.0	989.7	982.1
22.5°	1002.6	994.0	965.1	955.6	949.4
25°	975.1	962.3	930.7	919.6	910.2
27.5°	944.5	928.9	895.6	881.2	871.8
30°	910.2	894.0	858.0	838.5	830.7
32.5°	876.7	857.2	820.4	798.2	788.0
35°	840.1	819.6	781.0	756.3	744.2
37.5°	805.0	780.1	740.7	711.9	699.6
40°	767.4	741.7	700.6	668.1	657.9
42.5°	727.9	701.4	658.5	627.9	611.6
45°	687.7	663.1	615.9	581.7	568.9
47.5°	645.7	620.3	573.0	538.1	523.5
50°	606.5	578.2	529.5	493.7	480.8
52.5°	563.7	534.8	489.2	449.9	437.0
55°	521.9	494.5	446.7	408.1	394.5
57.5°	479.1	449.9	403.9	366.1	354.2
60°	438.0	408.1	361.8	324.2	311.3
62.5°	394.5	366.1	319.1	284.8	272.0
65°	353.4	324.2	279.0	244.5	231.7
67.5°	312.1	283.3	239.5	207.1	196.9
70°	270.4	241.2	198.4	171.9	161.7
72.5°	229.3	201.1	161.7	137.7	131.9
75°	188.2	162.5	126.6	107.9	101.9
77.5°	146.1	125.7	95.7	81.4	76.2
80°	111.2	90.8	66.8	59.0	57.4
82.5°	77.0	59.0	44.6	41.7	41.1
85°	47.0	31.6	27.5	26.5	25.7
87.5°	19.8	13.6	12.9	12.9	11.9
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)