

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: P888386

Luminaire Tested: **DPT5-4F029-61V60-F-XX-UDD\_4000K**

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: P888386  
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: DPT5-4F029-61V60-F-XX-UDD\_4000K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

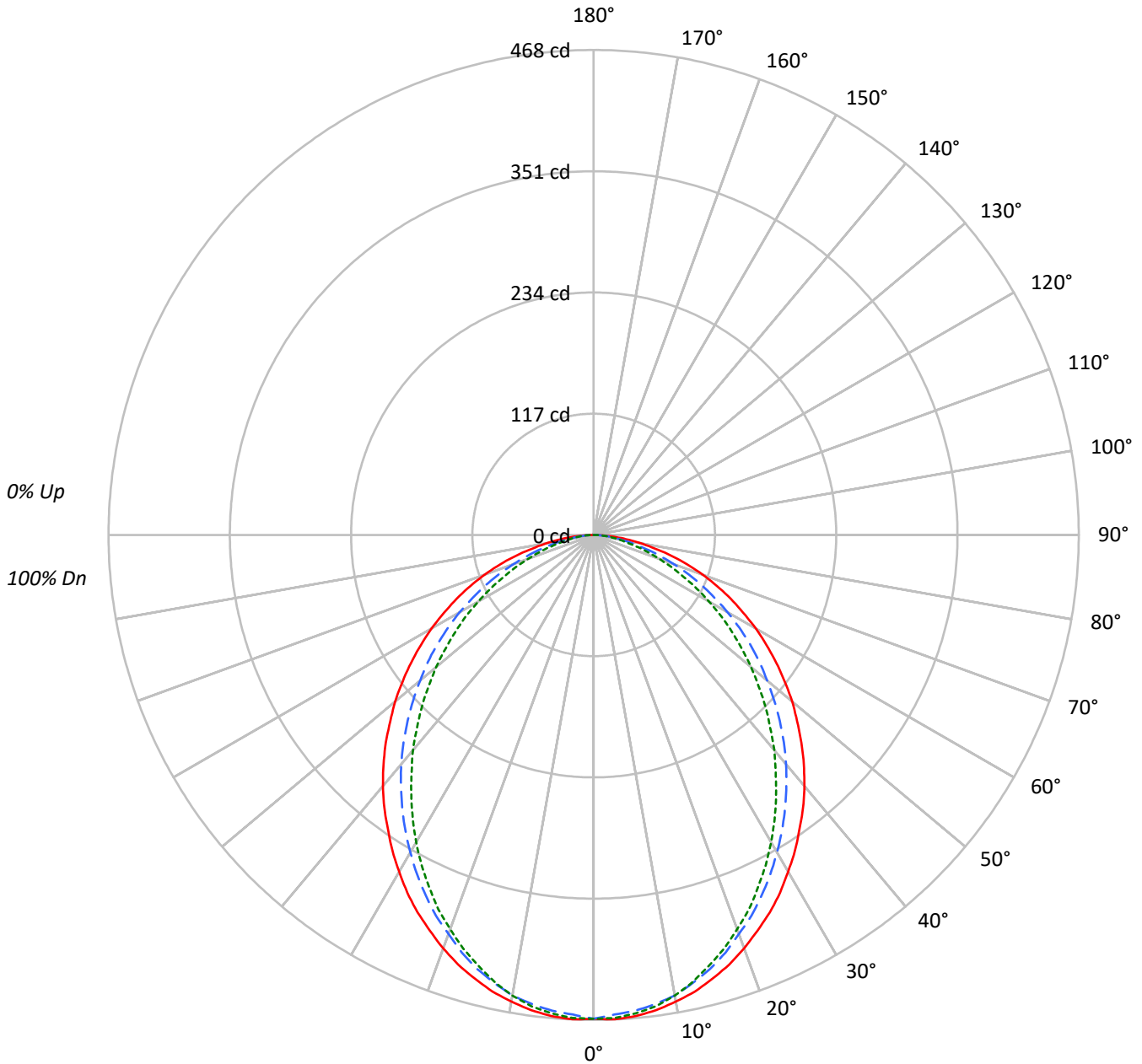
Lumens per Lamp: N/A  
Luminaire Lumens: 1103.0 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.5  
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: P888386

CATALOG NUMBER: DPT5-4F029-61V60-F-XX-UDD\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P888386

CATALOG NUMBER: DPT5-4F029-61V60-F-XX-UDD\_4000K

**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°	5561	5561	5561
5°	5573	5510	5542
10°	5530	5458	5458
15°	5466	5347	5304
20°	5380	5193	5130
25°	5281	5041	4930
30°	5160	4864	4709
35°	5035	4680	4461
40°	4917	4490	4216
45°	4775	4275	3950
50°	4632	4045	3672
55°	4466	3823	3376
60°	4299	3551	3056
65°	4106	3241	2691
70°	3883	2848	2323
75°	3571	2402	1933
80°	3148	1886	1625
85°	2651	1544	1448



TEST NUMBER: P888386

CATALOG NUMBER: DPT5-4F029-61V60-F-XX-UDD\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	4.0
10°-20°	122.8	11.1
20°-30°	178.0	16.1
30°-40°	202.8	18.4
40°-50°	197.7	17.9
50°-60°	166.4	15.1
60°-70°	116.6	10.6
70°-80°	59.8	5.4
80°-90°	14.9	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°	344.8	31.3
0°-40°	547.6	49.6
0°-60°	911.7	82.7
0°-90°	1103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	466	465	461	464	464	44
15°	443	441	434	433	430	125
25°	402	397	384	379	375	185
35°	346	338	322	312	307	217
45°	284	273	254	240	234	219
55°	215	204	184	168	163	192
65°	146	134	115	101	96	144
75°	78	67	52	44	42	82
85°	19	13	11	11	11	22
90°	0	0	0	0	0	



TEST NUMBER: P888386

CATALOG NUMBER: DPT5-4F029-61V60-F-XX-UDD\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	466.9	466.9	466.9	466.9	466.9
2.5°	467.9	466.9	463.3	466.9	466.5
5°	466.2	464.8	460.9	464.3	463.6
7.5°	462.6	461.2	456.6	459.4	458.8
10°	457.3	456.3	451.3	452.4	451.3
12.5°	451.3	449.9	442.8	443.5	441.8
15°	443.3	441.1	433.7	433.3	430.2
17.5°	434.8	431.6	422.7	421.0	418.5
20°	424.5	421.0	409.7	407.9	404.8
22.5°	413.2	409.7	397.8	393.9	391.3
25°	401.9	396.6	383.6	379.0	375.2
27.5°	389.3	382.9	369.2	363.2	359.3
30°	375.2	368.5	353.7	345.6	342.4
32.5°	361.4	353.3	338.2	329.0	324.8
35°	346.3	337.8	321.9	311.7	306.8
37.5°	331.8	321.5	305.3	293.4	288.4
40°	316.3	305.7	288.8	275.4	271.2
42.5°	300.0	289.1	271.4	258.8	252.1
45°	283.5	273.3	253.8	239.8	234.5
47.5°	266.1	255.7	236.2	221.8	215.8
50°	250.0	238.3	218.3	203.5	198.2
52.5°	232.3	220.4	201.7	185.4	180.1
55°	215.1	203.8	184.1	168.2	162.6
57.5°	197.5	185.4	166.5	150.9	146.0
60°	180.5	168.2	149.1	133.6	128.3
62.5°	162.6	150.9	131.5	117.4	112.1
65°	145.7	133.6	115.0	100.8	95.5
67.5°	128.7	116.8	98.7	85.4	81.2
70°	111.5	99.4	81.8	70.8	66.7
72.5°	94.5	82.9	66.7	56.8	54.4
75°	77.6	67.0	52.2	44.5	42.0
77.5°	60.2	51.8	39.4	33.6	31.4
80°	45.9	37.4	27.5	24.3	23.7
82.5°	31.7	24.3	18.4	17.2	16.9
85°	19.4	13.0	11.3	10.9	10.6
87.5°	8.2	5.6	5.3	5.3	4.9
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)