

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: P888361

Luminaire Tested: **DPT5-4F029-127V60-F-XX-UDD_2700K**

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: P888361
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: DPT5-4F029-127V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

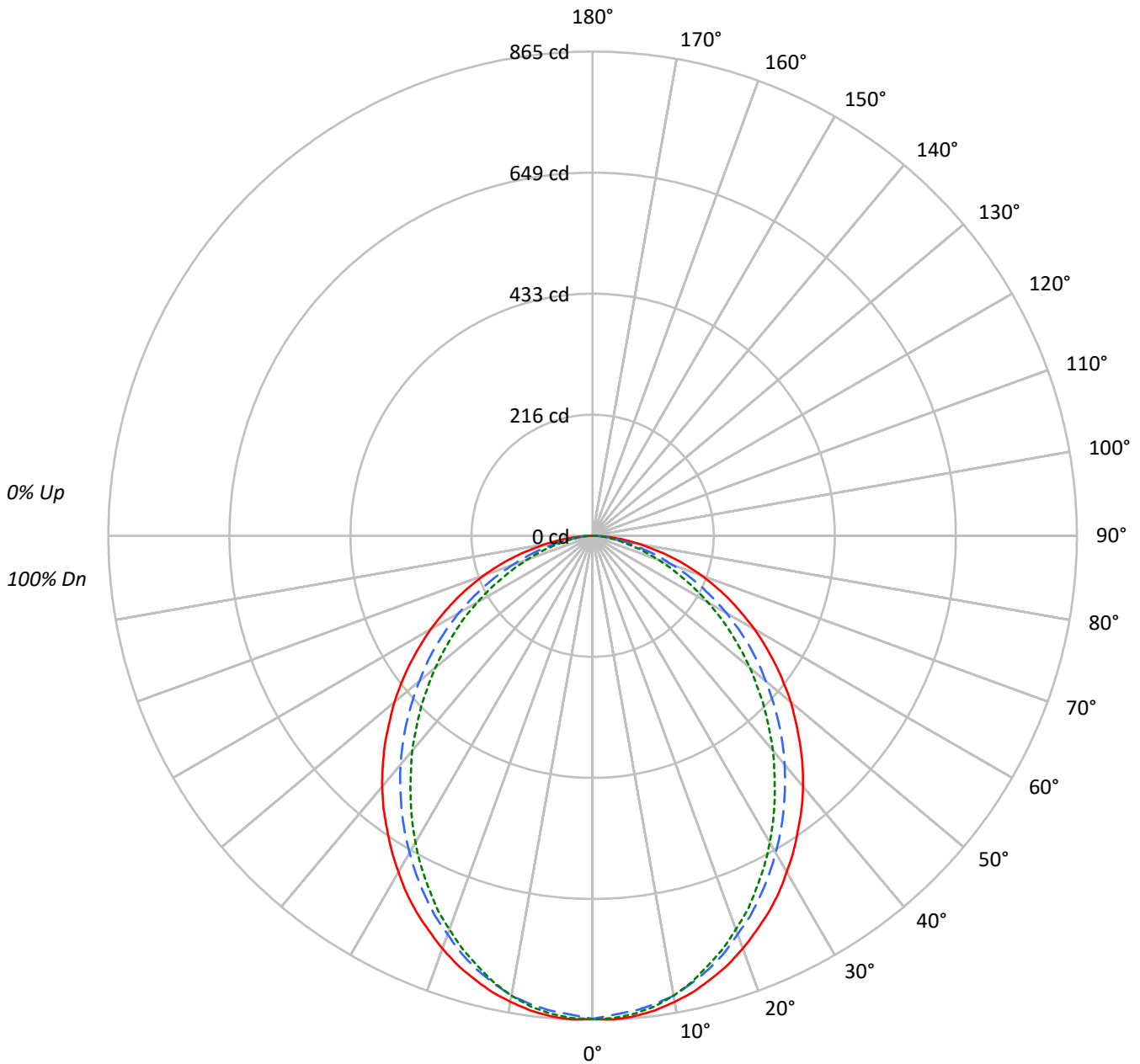
Lumens per Lamp: N/A
Luminaire Lumens: 2039.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 24
Input Voltage (V): NR
Input Current (A_{in}): 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: P888361

CATALOG NUMBER: DPT5-4F029-127V60-F-XX-UDD_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P888361

CATALOG NUMBER: DPT5-4F029-127V60-F-XX-UDD_2700K

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°	10279	10279	10279
5°	10302	10185	10246
10°	10224	10089	10089
15°	10103	9884	9805
20°	9945	9599	9484
25°	9764	9318	9113
30°	9537	8991	8705
35°	9306	8652	8245
40°	9090	8299	7794
45°	8826	7904	7301
50°	8562	7476	6789
55°	8258	7068	6242
60°	7948	6567	5650
65°	7589	5991	4974
70°	7173	5262	4290
75°	6599	4440	3571
80°	5816	3491	3004
85°	4892	2856	2678



TEST NUMBER: P888361

CATALOG NUMBER: DPT5-4F029-127V60-F-XX-UDD_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	4.0
10°-20°	227.0	11.1
20°-30°	329.1	16.1
30°-40°	375.0	18.4
40°-50°	365.5	17.9
50°-60°	307.6	15.1
60°-70°	215.5	10.6
70°-80°	110.5	5.4
80°-90°	27.6	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°	637.3	31.3
0°-40°	1012.3	49.6
0°-60°	1685.4	82.7
0°-90°	2039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	862	859	852	858	857	82
15°	819	815	802	801	795	231
25°	743	733	709	701	694	342
35°	640	624	595	576	567	401
45°	524	505	469	443	434	404
55°	398	377	340	311	301	356
65°	269	247	213	186	176	267
75°	143	124	96	82	78	152
85°	36	24	21	20	20	41
90°	0	0	0	0	0	



TEST NUMBER: P888361

CATALOG NUMBER: DPT5-4F029-127V60-F-XX-UDD_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.1	863.1	863.1	863.1	863.1
2.5°	865.0	863.1	856.5	863.1	862.3
5°	861.7	859.2	851.9	858.4	857.0
7.5°	855.2	852.5	844.1	849.3	848.1
10°	845.4	843.5	834.3	836.3	834.3
12.5°	834.3	831.6	818.6	819.9	816.8
15°	819.4	815.4	801.6	801.0	795.2
17.5°	803.7	797.9	781.5	778.3	773.7
20°	784.7	778.3	757.4	754.1	748.3
22.5°	763.9	757.4	735.4	728.1	723.4
25°	743.0	733.2	709.1	700.7	693.5
27.5°	719.7	707.8	682.4	671.4	664.3
30°	693.5	681.2	653.8	638.9	633.0
32.5°	668.0	653.2	625.1	608.2	600.4
35°	640.1	624.5	595.1	576.3	567.1
37.5°	613.4	594.4	564.4	542.4	533.1
40°	584.7	565.1	533.8	509.0	501.3
42.5°	554.6	534.4	501.8	478.4	466.0
45°	524.0	505.3	469.3	443.3	433.5
47.5°	492.0	472.6	436.6	410.0	398.9
50°	462.1	440.6	403.5	376.2	366.4
52.5°	429.5	407.5	372.8	342.8	333.0
55°	397.7	376.8	340.4	311.0	300.6
57.5°	365.0	342.8	307.7	278.9	269.9
60°	333.7	311.0	275.7	247.0	237.2
62.5°	300.6	278.9	243.2	217.0	207.2
65°	269.3	247.0	212.6	186.3	176.5
67.5°	237.8	215.8	182.5	157.8	150.1
70°	206.0	183.8	151.1	130.9	123.2
72.5°	174.7	153.2	123.2	105.0	100.5
75°	143.4	123.8	96.5	82.2	77.6
77.5°	111.4	95.8	72.9	62.0	58.0
80°	84.8	69.2	50.9	45.0	43.8
82.5°	58.6	45.0	34.0	31.8	31.3
85°	35.8	24.1	20.9	20.2	19.6
87.5°	15.1	10.4	9.8	9.8	9.1
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)