

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: P888395

Luminaire Tested: **DPT5-4F029-85V60-F-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: P888395
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: DPT5-4F029-85V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

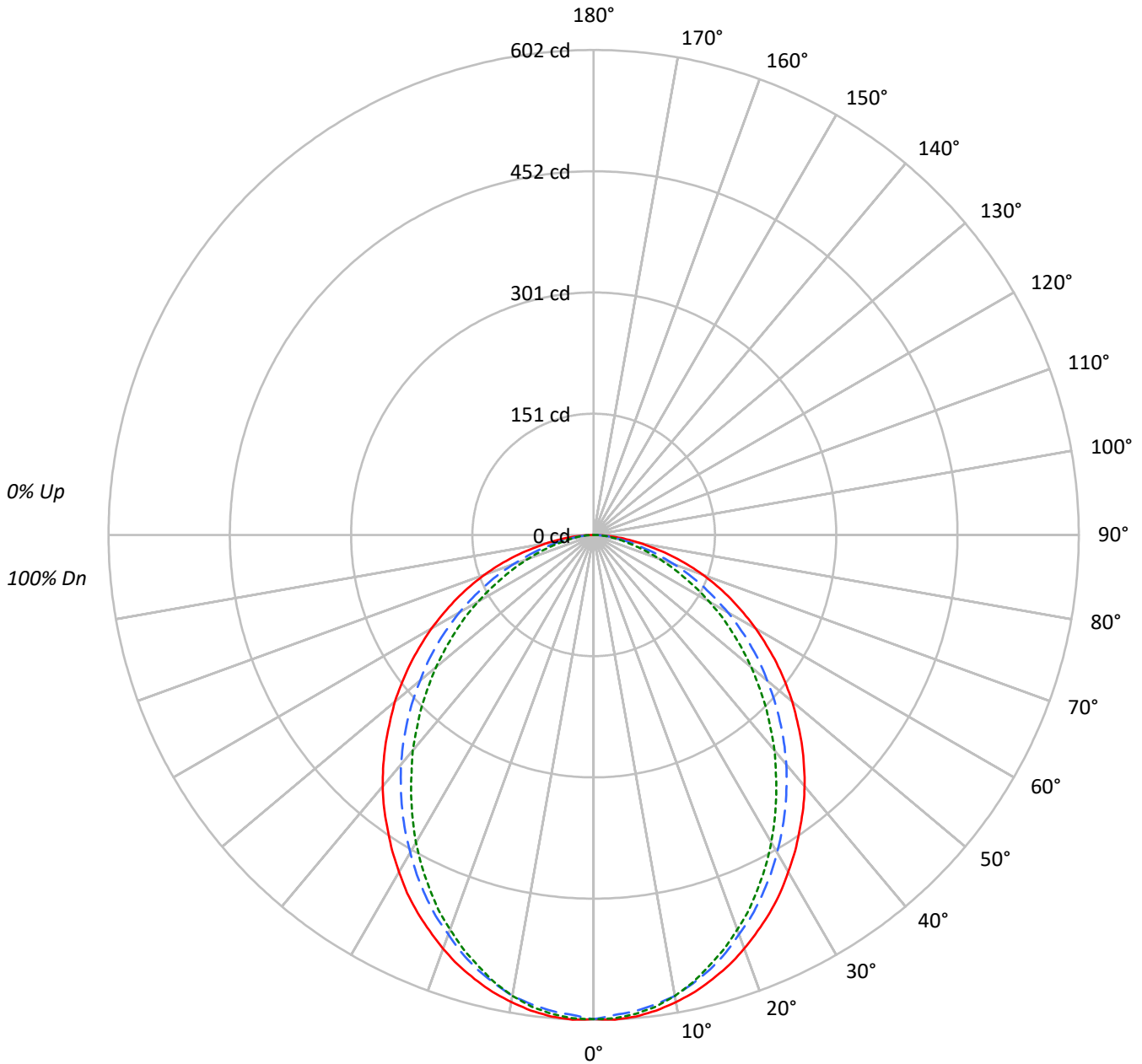
Lumens per Lamp: N/A
Luminaire Lumens: 1420.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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

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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°	7159	7159	7159
5°	7174	7093	7135
10°	7121	7026	7026
15°	7037	6884	6828
20°	6926	6686	6604
25°	6799	6490	6347
30°	6642	6261	6062
35°	6481	6026	5741
40°	6331	5780	5427
45°	6146	5504	5085
50°	5962	5206	4727
55°	5752	4921	4346
60°	5536	4573	3935
65°	5284	4171	3463
70°	4997	3667	2988
75°	4597	3092	2489
80°	4046	2435	2092
85°	3403	1995	1858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	4.0
10°-20°	158.1	11.1
20°-30°	229.2	16.1
30°-40°	261.1	18.4
40°-50°	254.5	17.9
50°-60°	214.2	15.1
60°-70°	150.1	10.6
70°-80°	77.0	5.4
80°-90°	19.2	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°	443.9	31.3
0°-40°	705.0	49.6
0°-60°	1173.7	82.7
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	600	598	593	598	597	57
15°	571	568	558	558	554	161
25°	517	511	494	488	483	238
35°	446	435	414	401	395	279
45°	365	352	327	309	302	281
55°	277	262	237	217	209	248
65°	188	172	148	130	123	186
75°	100	86	67	57	54	106
85°	25	17	15	14	14	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601.1	601.1	601.1	601.1	601.1
2.5°	602.4	601.1	596.5	601.1	600.6
5°	600.1	598.4	593.3	597.8	596.8
7.5°	595.6	593.7	587.8	591.5	590.6
10°	588.8	587.4	581.0	582.4	581.0
12.5°	581.0	579.2	570.1	571.0	568.8
15°	570.7	567.9	558.3	557.9	553.8
17.5°	559.7	555.7	544.2	542.0	538.8
20°	546.5	542.0	527.5	525.2	521.1
22.5°	532.0	527.5	512.1	507.1	503.8
25°	517.4	510.6	493.9	488.0	483.0
27.5°	501.2	492.9	475.3	467.6	462.6
30°	483.0	474.4	455.3	444.9	440.8
32.5°	465.2	454.9	435.3	423.6	418.2
35°	445.8	434.9	414.5	401.3	394.9
37.5°	427.2	414.0	393.1	377.7	371.3
40°	407.2	393.6	371.8	354.5	349.1
42.5°	386.2	372.2	349.5	333.2	324.5
45°	364.9	351.9	326.8	308.7	301.9
47.5°	342.6	329.2	304.1	285.5	277.8
50°	321.8	306.8	281.0	262.0	255.1
52.5°	299.1	283.8	259.6	238.7	231.9
55°	277.0	262.4	237.0	216.6	209.3
57.5°	254.2	238.7	214.3	194.3	187.9
60°	232.4	216.6	192.0	172.0	165.2
62.5°	209.3	194.3	169.3	151.1	144.3
65°	187.5	172.0	148.0	129.8	122.9
67.5°	165.6	150.3	127.1	109.9	104.5
70°	143.5	128.0	105.3	91.2	85.8
72.5°	121.7	106.7	85.8	73.1	70.0
75°	99.9	86.2	67.2	57.3	54.1
77.5°	77.6	66.7	50.8	43.2	40.4
80°	59.0	48.2	35.5	31.3	30.5
82.5°	40.8	31.3	23.7	22.1	21.8
85°	24.9	16.8	14.6	14.1	13.6
87.5°	10.5	7.2	6.8	6.8	6.3
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)