

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: P888384

Luminaire Tested: **DPT5-4F029-61V60-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: P888384
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_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

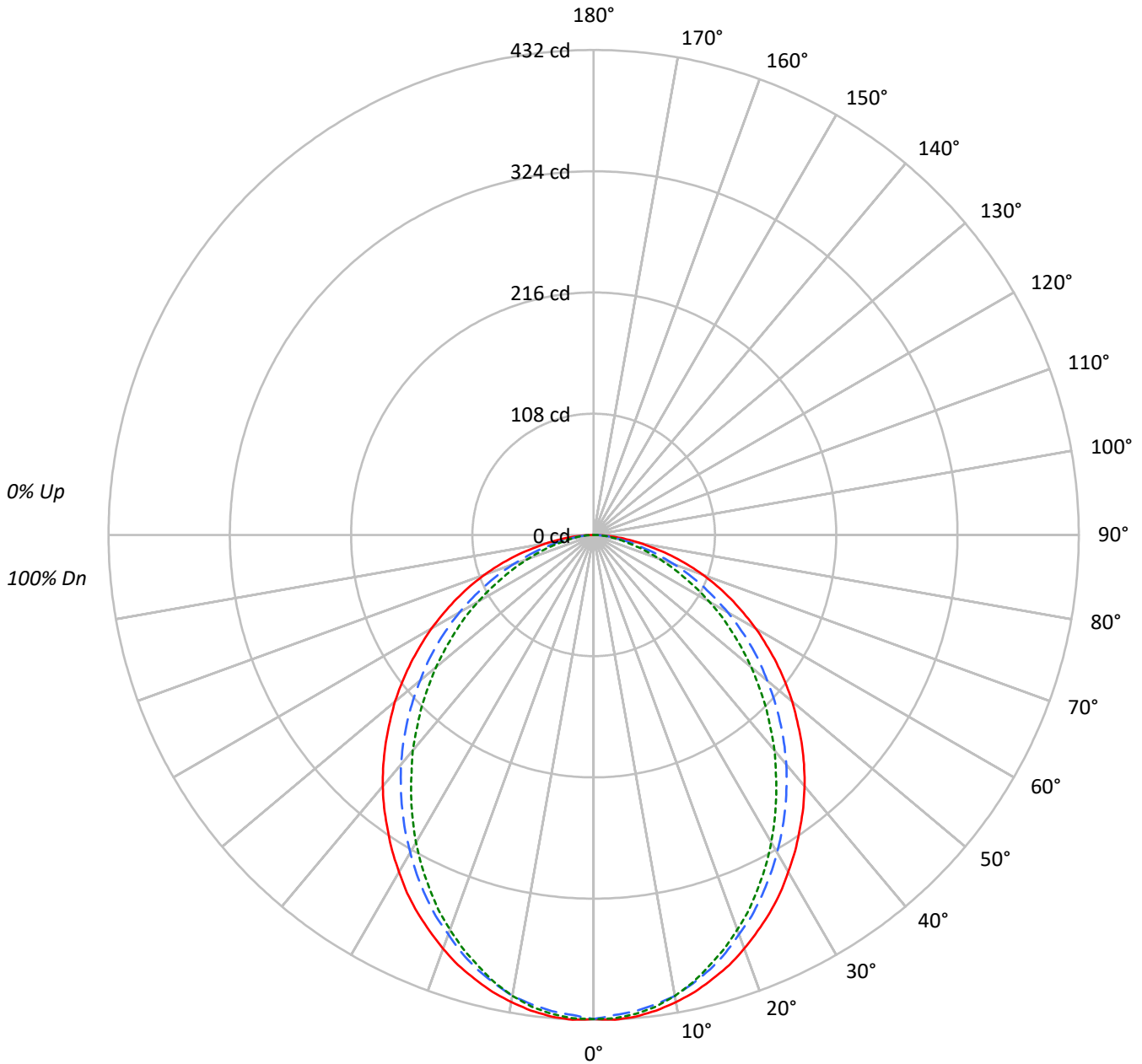
Lumens per Lamp: N/A
Luminaire Lumens: 1019.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.31' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
Input Voltage (V): NR
Input Current (A_{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: P888384

CATALOG NUMBER: DPT5-4F029-61V60-F-XX-UDD_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P888384

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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°	5137	5137	5137
5°	5149	5090	5120
10°	5109	5042	5042
15°	5049	4939	4900
20°	4971	4797	4740
25°	4879	4657	4555
30°	4766	4493	4350
35°	4651	4324	4120
40°	4543	4148	3894
45°	4411	3950	3648
50°	4278	3735	3392
55°	4126	3532	3119
60°	3973	3282	2825
65°	3793	2993	2486
70°	3587	2629	2145
75°	3299	2218	1785
80°	2908	1742	1502
85°	2446	1435	1339



TEST NUMBER: P888384

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	4.0
10°-20°	113.4	11.1
20°-30°	164.5	16.1
30°-40°	187.4	18.4
40°-50°	182.6	17.9
50°-60°	153.7	15.1
60°-70°	107.7	10.6
70°-80°	55.2	5.4
80°-90°	13.8	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°	318.5	31.3
0°-40°	505.9	49.6
0°-60°	842.3	82.7
0°-90°	1019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	431	429	426	429	428	41
15°	410	408	401	400	397	115
25°	371	366	354	350	347	171
35°	320	312	297	288	283	200
45°	262	252	234	222	217	202
55°	199	188	170	155	150	178
65°	135	124	106	93	88	133
75°	72	62	48	41	39	76
85°	18	12	10	10	10	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	431.3	431.3	431.3	431.3	431.3
2.5°	432.3	431.3	428.1	431.3	431.0
5°	430.7	429.4	425.8	429.0	428.3
7.5°	427.4	426.1	421.8	424.4	423.8
10°	422.5	421.5	416.9	418.0	416.9
12.5°	416.9	415.6	409.1	409.7	408.2
15°	409.5	407.5	400.6	400.3	397.4
17.5°	401.7	398.8	390.5	389.0	386.7
20°	392.2	389.0	378.5	376.9	374.0
22.5°	381.8	378.5	367.5	363.9	361.5
25°	371.3	366.4	354.4	350.2	346.6
27.5°	359.7	353.7	341.0	335.5	332.0
30°	346.6	340.4	326.7	319.3	316.3
32.5°	333.9	326.4	312.4	303.9	300.1
35°	319.9	312.1	297.4	288.0	283.4
37.5°	306.5	297.1	282.1	271.1	266.4
40°	292.2	282.4	266.8	254.4	250.5
42.5°	277.2	267.1	250.8	239.1	232.9
45°	261.9	252.5	234.5	221.5	216.6
47.5°	245.9	236.2	218.2	204.9	199.3
50°	230.9	220.2	201.6	188.0	183.1
52.5°	214.6	203.6	186.3	171.3	166.4
55°	198.7	188.3	170.1	155.4	150.2
57.5°	182.4	171.3	153.8	139.4	134.9
60°	166.8	155.4	137.8	123.5	118.6
62.5°	150.2	139.4	121.5	108.5	103.6
65°	134.6	123.5	106.2	93.1	88.2
67.5°	118.9	107.9	91.2	78.9	75.0
70°	103.0	91.8	75.5	65.4	61.6
72.5°	87.3	76.6	61.6	52.4	50.2
75°	71.7	61.9	48.2	41.1	38.8
77.5°	55.7	47.9	36.4	31.0	29.0
80°	42.4	34.6	25.4	22.5	21.9
82.5°	29.3	22.5	17.0	15.9	15.7
85°	17.9	12.0	10.5	10.1	9.8
87.5°	7.6	5.2	4.9	4.9	4.5
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)