

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P751299

Luminaire Tested: LD4D60D010-EU4DR7055659030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR7055659030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6073.4 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): 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: 24 FT

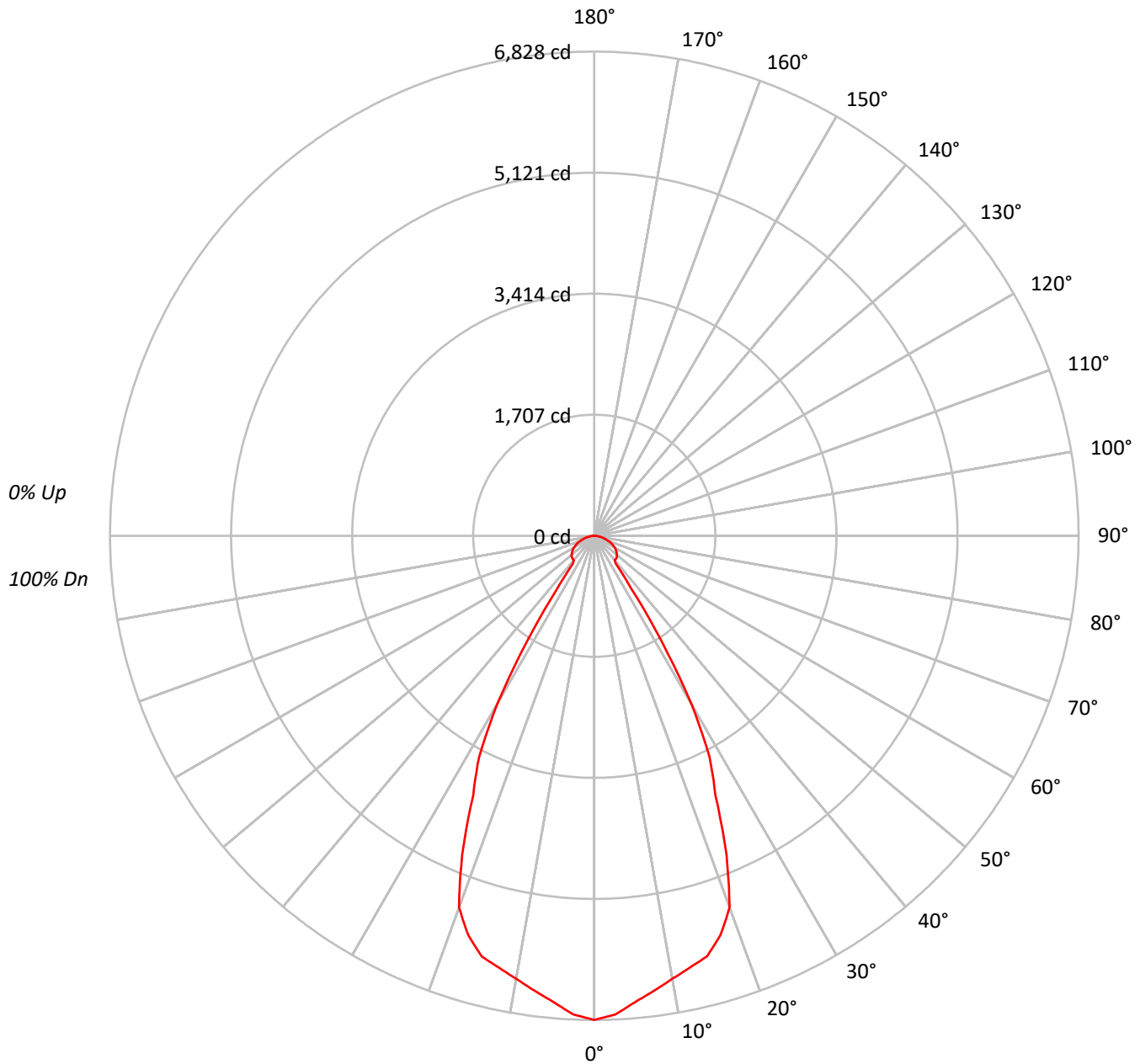


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	746054
5°	723887
10°	703710
15°	694470
20°	648500
25°	487178
30°	344401
35°	121992
40°	64141
45°	68328
50°	70745
55°	72082
60°	72527
65°	70993
70°	66990
75°	62056
80°	55119
85°	44754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 72556 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.5	10.3
10°-20°	1707.6	28.1
20°-30°	1880.7	31.0
30°-40°	718.6	11.8
40°-50°	339.3	5.6
50°-60°	337.3	5.6
60°-70°	270.1	4.4
70°-80°	155.2	2.6
80°-90°	42.2	0.7
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°	4210.8	69.3
0°-40°	4929.3	81.2
0°-60°	5605.9	92.3
0°-90°	6073.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6073.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6828	
5°	6600	623
15°	6140	1708
25°	4041	1881
35°	915	719
45°	442	339
55°	378	337
65°	275	270
75°	147	155
85°	36	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6828.2
2.5°	6756.8
5°	6600.1
7.5°	6469.3
10°	6342.8
12.5°	6235.7
15°	6139.5
17.5°	5907.1
20°	5577.4
22.5°	4866.0
25°	4041.1
27.5°	3517.9
30°	2729.8
32.5°	1763.3
35°	914.6
37.5°	494.1
40°	449.7
42.5°	446.5
45°	442.2
47.5°	432.4
50°	416.2
52.5°	397.8
55°	378.4
57.5°	356.8
60°	331.9
62.5°	303.8
65°	274.6
67.5°	242.2
70°	209.7
72.5°	177.3
75°	147.0
77.5°	115.7
80°	87.6
82.5°	61.6
85°	35.7
87.5°	14.1
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)