

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: P751313

Luminaire Tested: LD4D60D010-EU4DR7055659035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751313
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-EU4DR7055659035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6444.1 lumens
Efficiency: N/A
Efficacy: 100.1 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

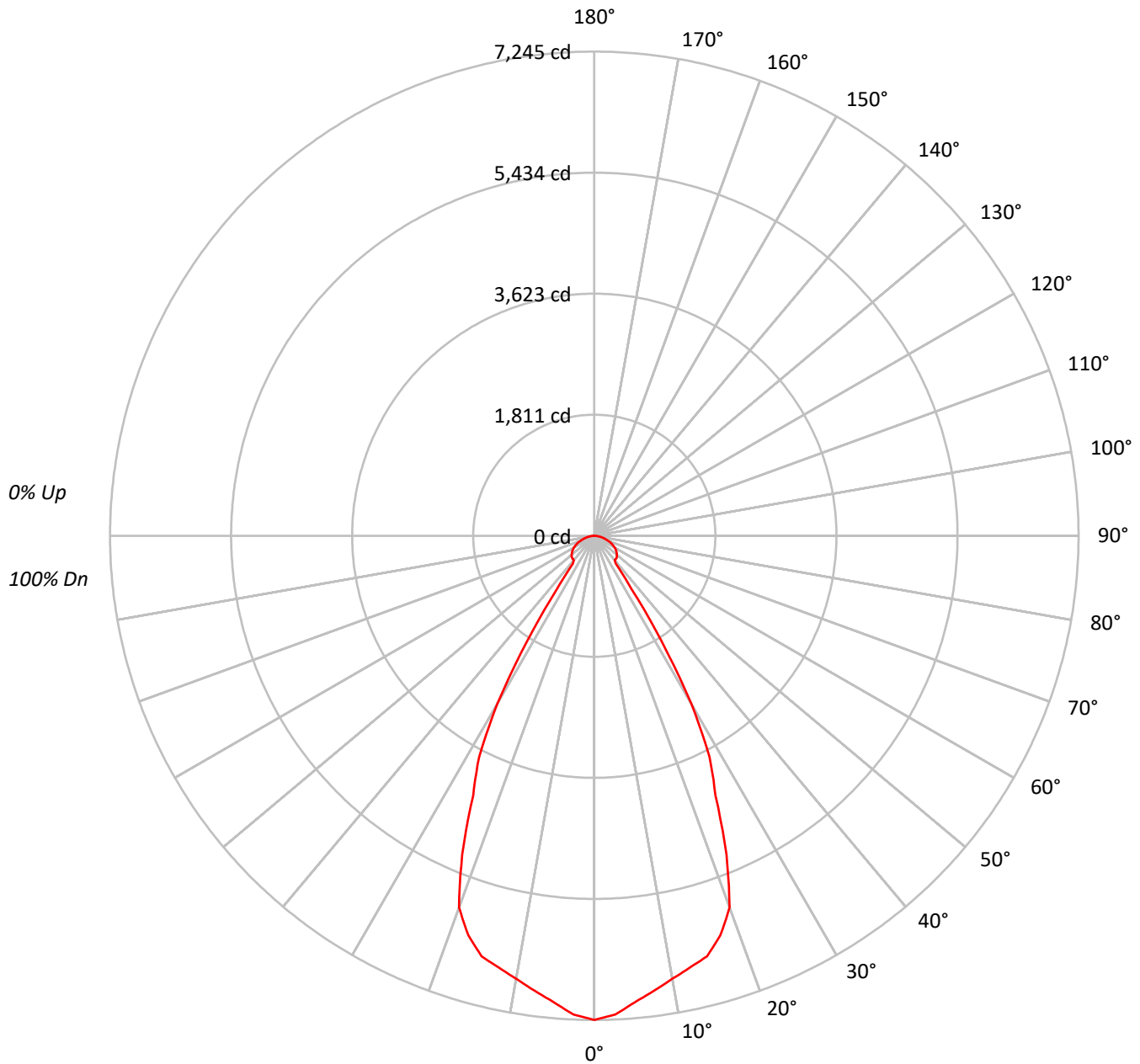


Downlight

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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°	791605
5°	768087
10°	746680
15°	736877
20°	688091
25°	516932
30°	365420
35°	129435
40°	68063
45°	72500
50°	75063
55°	76482
60°	76963
65°	75337
70°	71079
75°	65856
80°	58453
85°	47512

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 76969 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.5	10.3
10°-20°	1811.8	28.1
20°-30°	1995.5	31.0
30°-40°	762.4	11.8
40°-50°	360.0	5.6
50°-60°	357.9	5.6
60°-70°	286.6	4.4
70°-80°	164.7	2.6
80°-90°	44.8	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°	4467.9	69.3
0°-40°	5230.3	81.2
0°-60°	5948.1	92.3
0°-90°	6444.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6444.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7245	
5°	7003	661
15°	6514	1812
25°	4288	1995
35°	970	762
45°	469	360
55°	402	358
65°	291	287
75°	156	165
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7245.1
2.5°	7169.4
5°	7003.1
7.5°	6864.3
10°	6730.1
12.5°	6616.5
15°	6514.4
17.5°	6267.8
20°	5917.9
22.5°	5163.1
25°	4287.9
27.5°	3732.7
30°	2896.4
32.5°	1870.9
35°	970.4
37.5°	524.2
40°	477.2
42.5°	473.8
45°	469.2
47.5°	458.8
50°	441.6
52.5°	422.1
55°	401.5
57.5°	378.5
60°	352.2
62.5°	322.3
65°	291.4
67.5°	257.0
70°	222.5
72.5°	188.1
75°	156.0
77.5°	122.7
80°	92.9
82.5°	65.4
85°	37.9
87.5°	14.9
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)