

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: P758799

Luminaire Tested: LD6D05D010-EU6DR700210IC9035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P758799
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: LD6D05D010-EU6DR700210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 409.8 lumens
Efficiency: N/A
Efficacy: 54.6 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): 7.5
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: 24 FT



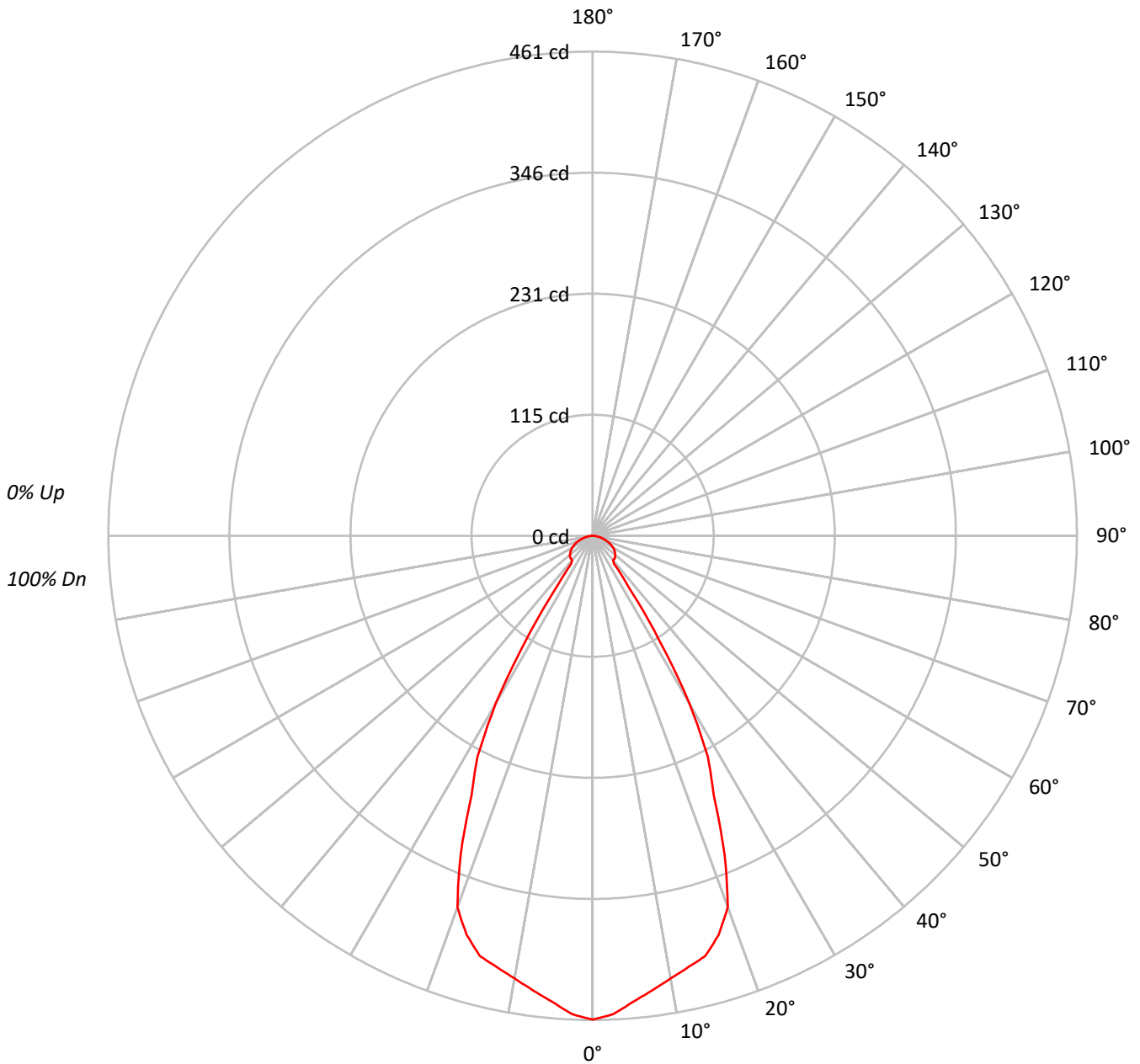
Downlight



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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			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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	68	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50336
5°	48829
10°	47474
15°	46852
20°	43753
25°	32864
30°	23227
35°	8230
40°	4336
45°	4620
50°	4776
55°	4877
60°	4895
65°	4783
70°	4536
75°	4179
80°	3712
85°	3009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 4901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	10.2
10°-20°	115.2	28.1
20°-30°	126.9	31.0
30°-40°	48.5	11.8
40°-50°	22.9	5.6
50°-60°	22.8	5.6
60°-70°	18.2	4.4
70°-80°	10.5	2.6
80°-90°	2.9	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°	284.1	69.3
0°-40°	332.5	81.1
0°-60°	378.2	92.3
0°-90°	409.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	461	
5°	445	42
15°	414	115
25°	273	127
35°	62	48
45°	30	23
55°	26	23
65°	18	18
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	460.7
2.5°	455.8
5°	445.2
7.5°	436.4
10°	427.9
12.5°	420.7
15°	414.2
17.5°	398.5
20°	376.3
22.5°	328.2
25°	272.6
27.5°	237.3
30°	184.1
32.5°	118.9
35°	61.7
37.5°	33.3
40°	30.4
42.5°	30.1
45°	29.9
47.5°	29.2
50°	28.1
52.5°	26.8
55°	25.6
57.5°	24.1
60°	22.4
62.5°	20.5
65°	18.5
67.5°	16.3
70°	14.2
72.5°	12.0
75°	9.9
77.5°	7.8
80°	5.9
82.5°	4.2
85°	2.4
87.5°	1.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)