

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



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: P788075

Luminaire Tested: LER6D05D010-EC6DR650210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR650210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1058.9 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

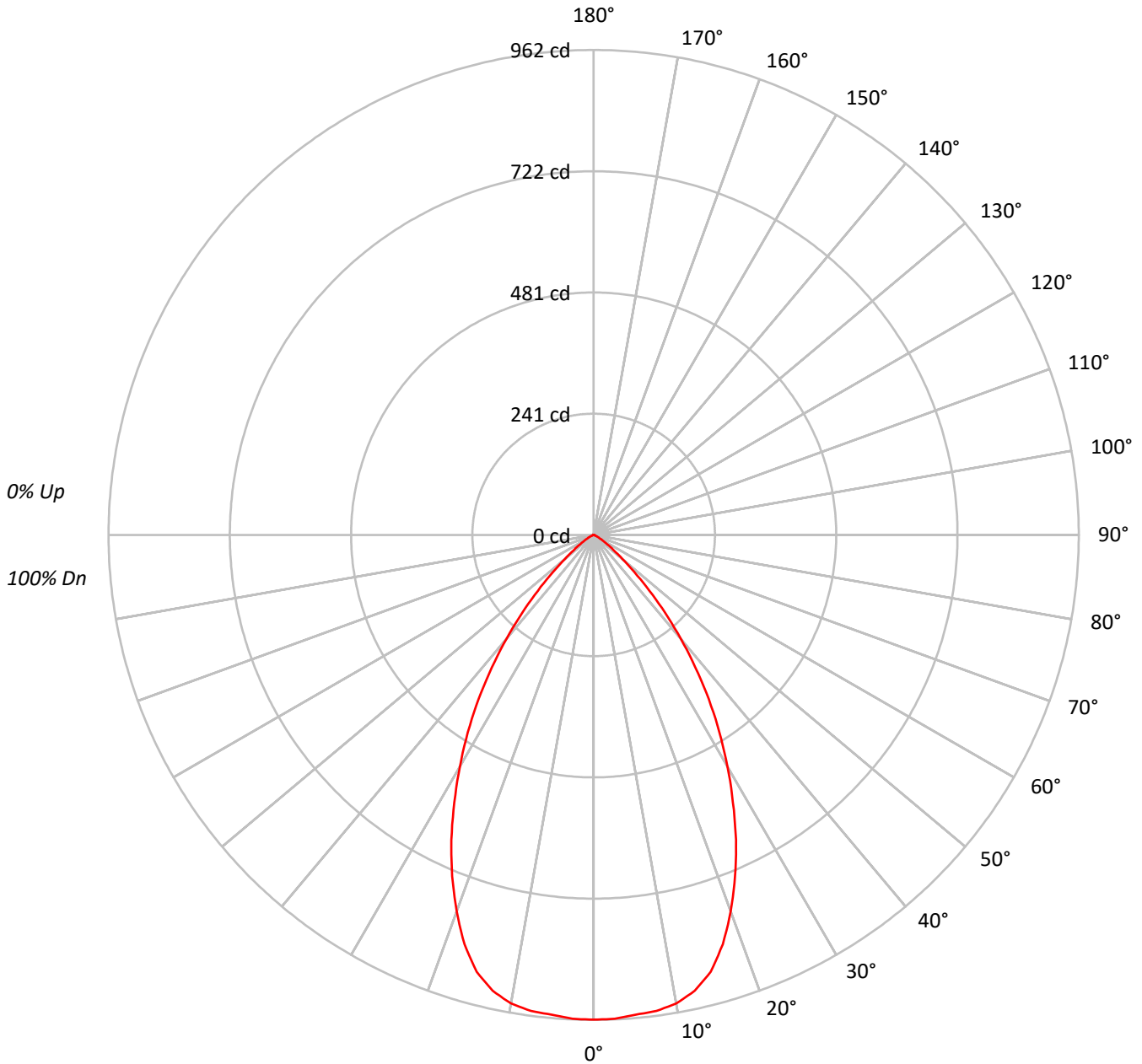
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56155
5°	56012
10°	55966
15°	54236
20°	49380
25°	43028
30°	35790
35°	28355
40°	20463
45°	12926
50°	6742
55°	3584
60°	1881
65°	1036
70°	427
75°	474
80°	336
85°	268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12926 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	8.6
10°-20°	249.0	23.5
20°-30°	304.4	28.7
30°-40°	246.9	23.3
40°-50°	123.0	11.6
50°-60°	34.3	3.2
60°-70°	7.8	0.7
70°-80°	2.0	0.2
80°-90°	0.5	0.0
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°	644.3	60.8
0°-40°	891.2	84.2
0°-60°	1048.5	99.0
0°-90°	1058.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1058.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	962	
5°	955	91
15°	897	249
25°	668	304
35°	398	247
45°	156	123
55°	35	34
65°	8	8
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	961.5
2.5°	960.7
5°	955.4
7.5°	952.3
10°	943.7
12.5°	926.1
15°	897.0
17.5°	851.5
20°	794.5
22.5°	732.9
25°	667.7
27.5°	598.1
30°	530.7
32.5°	464.1
35°	397.7
37.5°	331.5
40°	268.4
42.5°	209.4
45°	156.5
47.5°	109.1
50°	74.2
52.5°	51.1
55°	35.2
57.5°	23.7
60°	16.1
62.5°	11.2
65°	7.5
67.5°	3.8
70°	2.5
72.5°	2.4
75°	2.1
77.5°	1.4
80°	1.0
82.5°	0.7
85°	0.4
87.5°	0.3
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)