

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: P787739

Luminaire Tested: LER6D05D010-EC6DR300210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR300210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1191.7 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

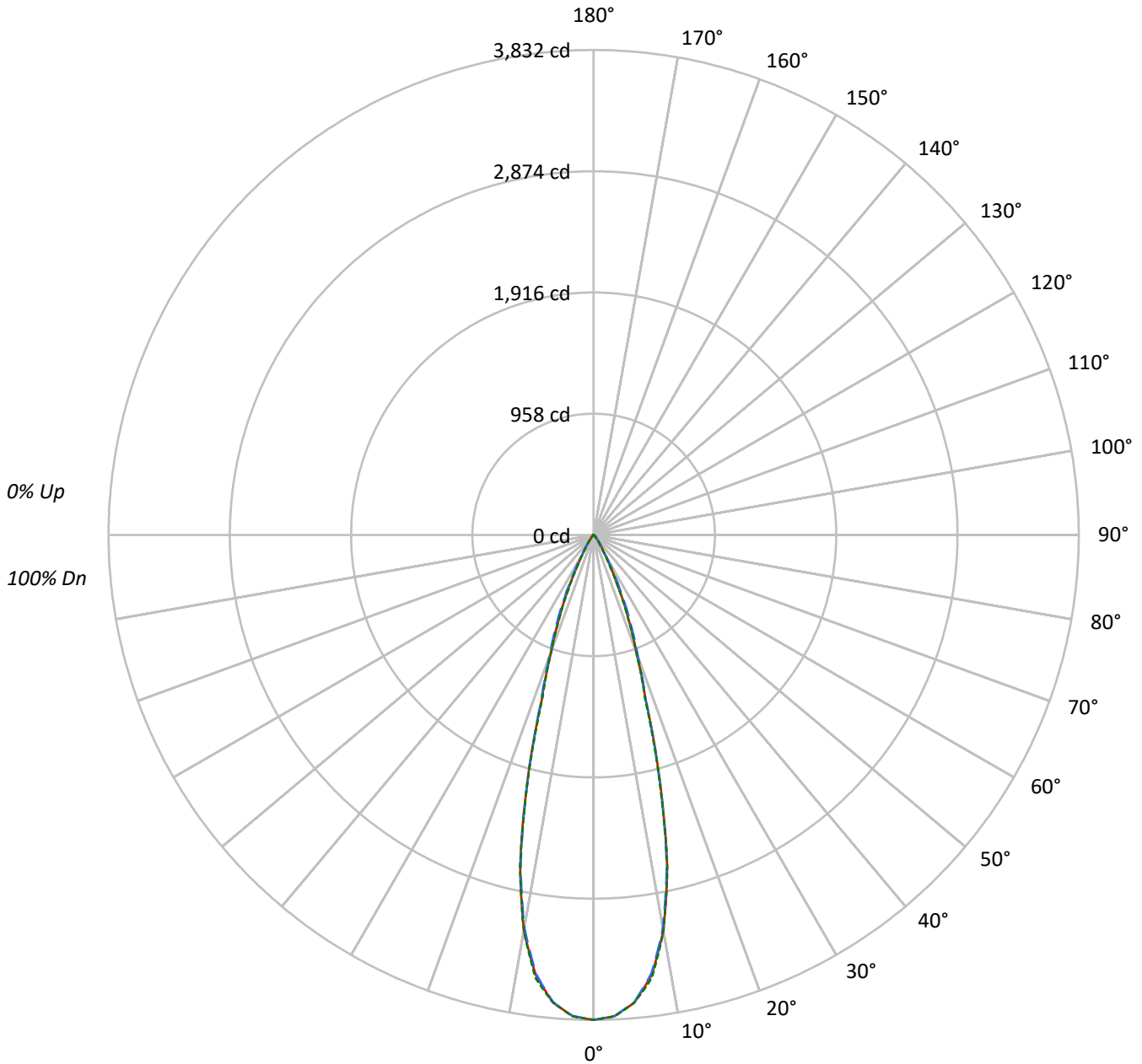
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	293299	293299	293299
5°	284884	284546	284899
10°	246751	245010	246689
15°	160991	160127	159319
20°	80055	83060	79949
25°	40328	45471	39500
30°	16148	17589	14071
35°	7485	7176	6008
40°	3237	3587	3048
45°	2284	2836	2306
50°	786	2060	834
55°	454	854	480
60°	321	367	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2836 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.0	28.3
10°-20°	542.7	45.5
20°-30°	234.5	19.7
30°-40°	53.4	4.5
40°-50°	18.4	1.5
50°-60°	4.5	0.4
60°-70°	1.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	1114.1	93.5
0°-40°	1167.6	98.0
0°-60°	1190.4	99.9
0°-90°	1191.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3832	3832	3832	3832	3832	
5°	3708	3704	3703	3711	3708	337
15°	2032	2007	2021	2014	2010	544
25°	478	496	538	483	468	229
35°	80	82	77	76	64	54
45°	21	26	26	26	21	15
55°	3	4	6	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3831.8	3831.8	3831.8	3831.8	3831.8
2.5°	3806.4	3803.8	3805.3	3807.2	3807.9
5°	3707.7	3704.1	3703.3	3711.0	3707.9
7.5°	3508.4	3503.4	3495.6	3513.1	3529.5
10°	3174.7	3169.0	3152.3	3160.6	3173.9
12.5°	2682.0	2663.7	2663.4	2689.7	2686.1
15°	2031.6	2007.2	2020.7	2014.1	2010.5
17.5°	1366.2	1356.8	1374.9	1369.4	1345.9
20°	982.8	985.2	1019.7	1002.4	981.5
22.5°	717.2	726.0	766.8	722.2	705.9
25°	477.5	495.5	538.4	482.9	467.7
27.5°	293.7	301.9	345.4	289.9	281.6
30°	182.7	178.5	199.0	170.8	159.2
32.5°	119.8	114.6	121.2	108.7	99.3
35°	80.1	81.8	76.8	76.2	64.3
37.5°	50.0	57.6	50.8	54.2	41.4
40°	32.4	41.8	35.9	39.7	30.5
42.5°	26.5	32.2	29.5	31.4	27.1
45°	21.1	26.2	26.2	26.2	21.3
47.5°	11.7	17.5	22.4	17.9	12.4
50°	6.6	8.8	17.3	9.2	7.0
52.5°	4.5	5.1	11.9	5.3	4.7
55°	3.4	3.6	6.4	3.8	3.6
57.5°	2.6	2.8	3.4	2.8	2.6
60°	2.1	2.1	2.4	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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