

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: P787113

Luminaire Tested: LER6D02D010-EC6DR300210IC9050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787113
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: LER6D02D010-EC6DR300210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 695.4 lumens
Efficiency: N/A
Efficacy: 136.4 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): 5.1
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

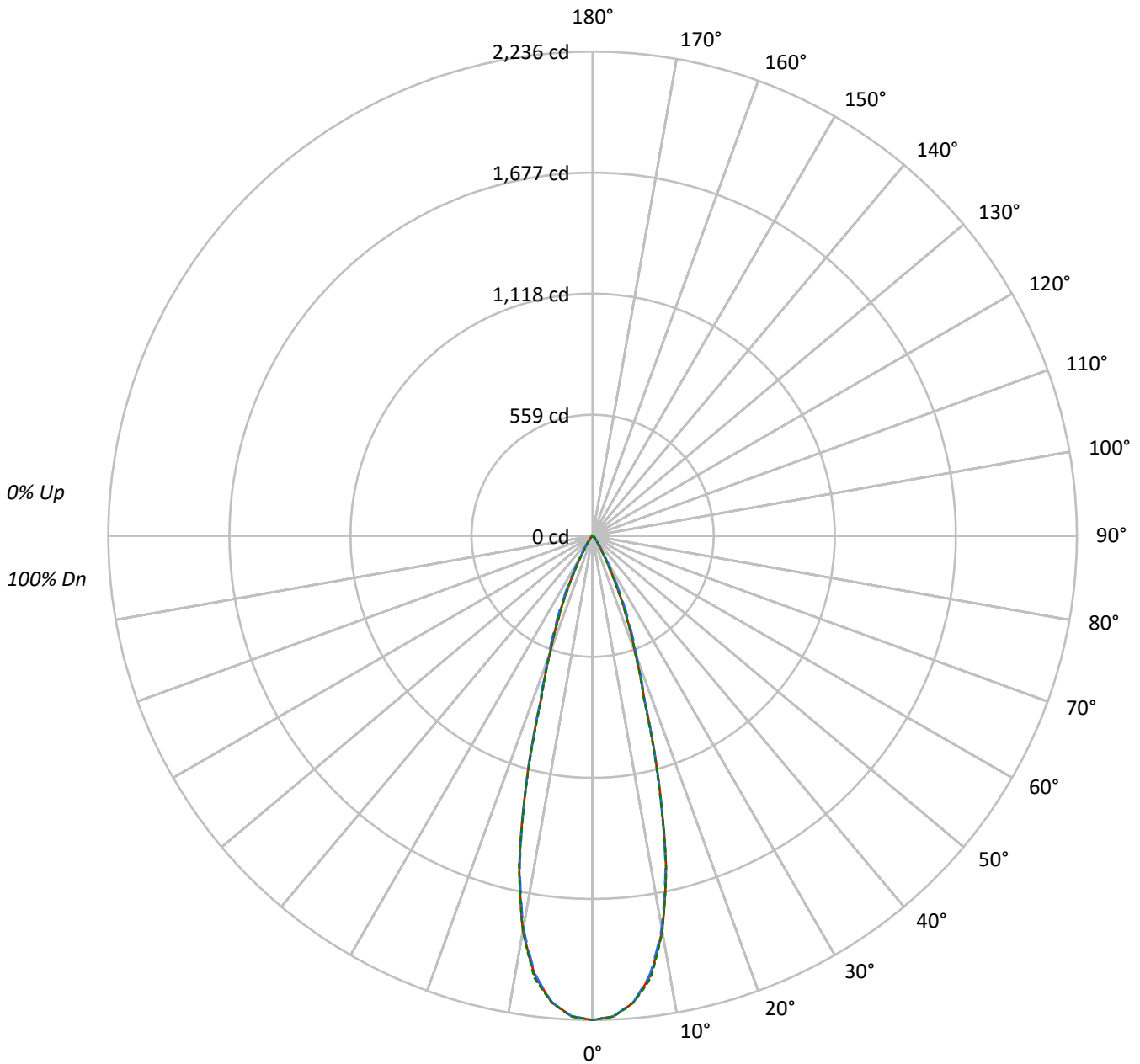


Downlight

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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°	171151	171151	171151
5°	166242	166050	166250
10°	143992	142974	143953
15°	93943	93444	92969
20°	46715	48466	46650
25°	23530	26536	23048
30°	9422	10261	8211
35°	4373	4186	3504
40°	1888	2098	1779
45°	1331	1656	1342
50°	453	1203	488
55°	267	494	280
60°	184	214	184
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1656 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	28.3
10°-20°	316.7	45.5
20°-30°	136.8	19.7
30°-40°	31.2	4.5
40°-50°	10.7	1.5
50°-60°	2.6	0.4
60°-70°	0.7	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°	650.1	93.5
0°-40°	681.3	98.0
0°-60°	694.7	99.9
0°-90°	695.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2236	2236	2236	2236	2236	
5°	2164	2162	2161	2166	2164	197
15°	1186	1171	1179	1175	1173	317
25°	279	289	314	282	273	133
35°	47	48	45	44	38	32
45°	12	15	15	15	12	9
55°	2	2	4	2	2	2
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°	2236.0	2236.0	2236.0	2236.0	2236.0
2.5°	2221.2	2219.7	2220.6	2221.7	2222.1
5°	2163.6	2161.5	2161.1	2165.6	2163.7
7.5°	2047.3	2044.4	2039.9	2050.1	2059.6
10°	1852.6	1849.3	1839.5	1844.3	1852.1
12.5°	1565.1	1554.4	1554.2	1569.6	1567.5
15°	1185.5	1171.3	1179.2	1175.3	1173.2
17.5°	797.2	791.7	802.3	799.1	785.4
20°	573.5	574.9	595.0	584.9	572.7
22.5°	418.5	423.6	447.5	421.5	411.9
25°	278.6	289.2	314.2	281.8	272.9
27.5°	171.4	176.2	201.6	169.2	164.3
30°	106.6	104.2	116.1	99.7	92.9
32.5°	69.9	66.9	70.7	63.5	58.0
35°	46.8	47.8	44.8	44.5	37.5
37.5°	29.2	33.6	29.6	31.6	24.2
40°	18.9	24.4	21.0	23.2	17.8
42.5°	15.5	18.8	17.2	18.3	15.8
45°	12.3	15.3	15.3	15.3	12.4
47.5°	6.8	10.2	13.1	10.4	7.2
50°	3.8	5.2	10.1	5.4	4.1
52.5°	2.6	3.0	6.9	3.1	2.7
55°	2.0	2.1	3.7	2.2	2.1
57.5°	1.5	1.6	2.0	1.6	1.5
60°	1.2	1.2	1.4	1.3	1.2
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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

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Scaled Data Report





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

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