

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: P788799

Luminaire Tested: LER6D10D010-EC6DR150210IC9024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR150210IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 855.8 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 11.7
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

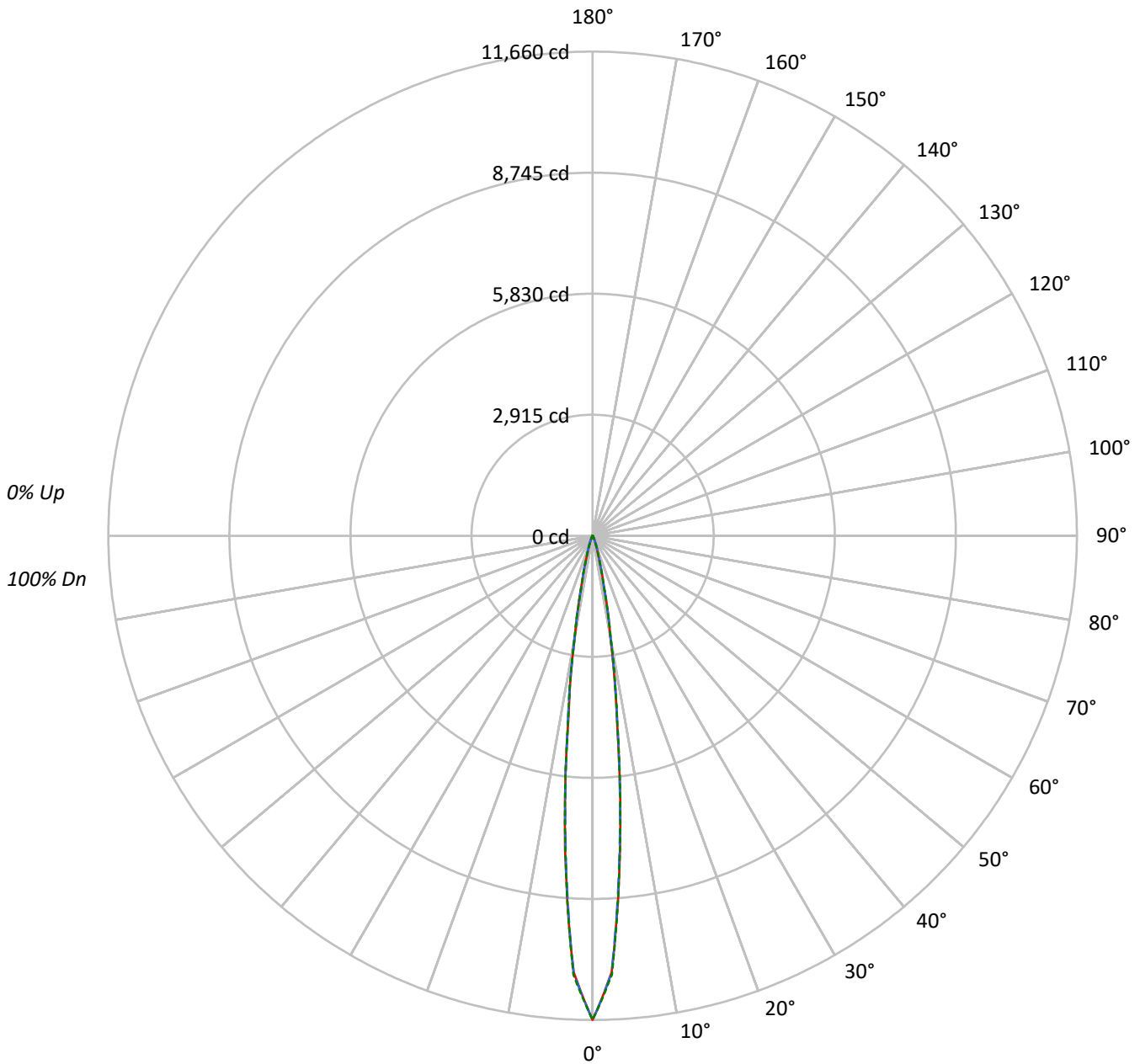


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1312005	1312005	1312005
5°	770998	761007	767034
10°	230106	231720	235266
15°	57239	58350	56552
20°	17126	19834	17486
25°	6037	7689	6115
30°	2216	2920	2254
35°	1111	1256	1075
40°	703	774	703
45°	518	553	518
50°	410	410	410
55°	341	341	341
60°	274	274	274
65°	214	214	214
70°	183	183	183
75°	113	113	151
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 553 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.0	64.9
10°-20°	228.3	26.7
20°-30°	45.4	5.3
30°-40°	11.3	1.3
40°-50°	5.9	0.7
50°-60°	4.4	0.5
60°-70°	3.1	0.4
70°-80°	1.8	0.2
80°-90°	0.5	0.1
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°	828.7	96.8
0°-40°	840.0	98.2
0°-60°	850.4	99.4
0°-90°	855.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	855.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11660	11660	11660	11660	11660	
5°	7586	7508	7488	7540	7547	554
15°	659	671	672	660	651	226
25°	78	88	99	87	78	41
35°	15	16	17	16	15	10
45°	7	7	8	7	7	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11660.2	11660.2	11660.2	11660.2	11660.2
2.5°	10517.9	10526.8	10530.3	10540.6	10579.1
5°	7586.4	7508.4	7488.1	7540.0	7547.4
7.5°	4493.9	4509.7	4567.4	4580.2	4533.8
10°	2466.1	2486.3	2483.4	2501.1	2521.4
12.5°	1261.2	1245.4	1240.5	1260.7	1232.6
15°	659.0	671.3	671.8	660.0	651.1
17.5°	354.4	368.7	392.4	373.2	343.6
20°	209.3	222.1	242.4	226.6	213.7
22.5°	129.3	139.7	154.0	141.7	131.3
25°	77.5	87.9	98.7	87.4	78.5
27.5°	45.9	54.8	61.7	54.3	45.4
30°	29.6	34.6	39.0	34.1	30.1
32.5°	20.7	22.7	24.7	22.7	20.7
35°	15.3	16.3	17.3	16.3	14.8
37.5°	11.8	12.8	13.3	12.3	11.4
40°	9.9	10.4	10.9	10.4	9.9
42.5°	8.4	8.9	8.9	8.9	8.4
45°	7.4	7.4	7.9	7.4	7.4
47.5°	6.4	6.4	6.9	6.4	6.4
50°	5.9	5.9	5.9	5.9	5.9
52.5°	5.4	5.4	5.4	5.4	5.4
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.4	4.4	4.4	4.4	4.4
60°	3.9	3.9	3.9	3.9	3.9
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	2.5	2.5	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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