

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: P789563

Luminaire Tested: LER6D15D010-EC6DR300215IC9024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789563
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: LER6D15D010-EC6DR300215IC9024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.9 lumens
Efficiency: N/A
Efficacy: 105.8 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): 15.8
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

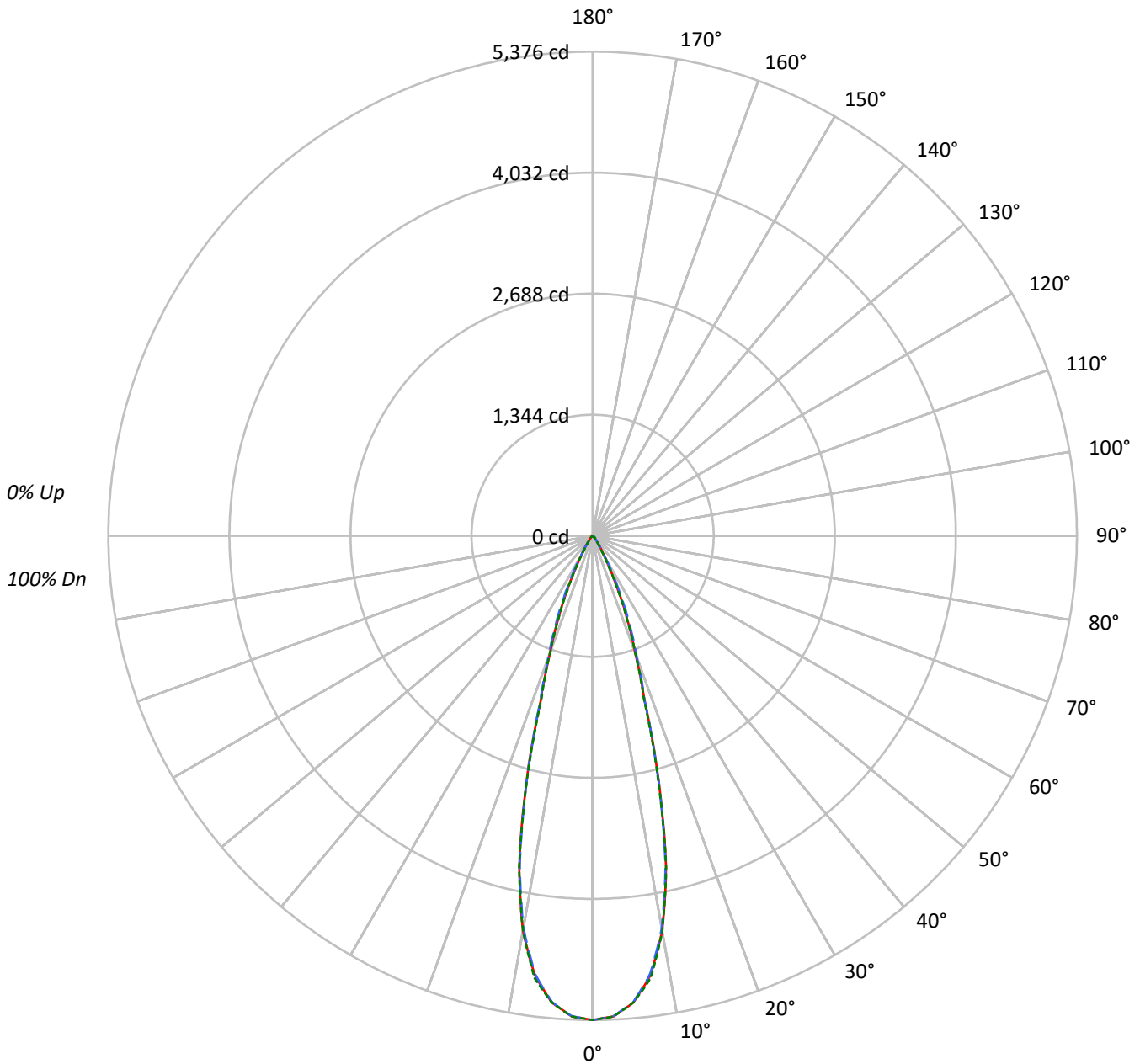


Downlight

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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°	411497	411497	411497
5°	399684	399216	399700
10°	346184	343743	346106
15°	225868	224655	223530
20°	112311	116531	112165
25°	56577	63798	55420
30°	22653	24686	19736
35°	10503	10064	8438
40°	4536	5036	4277
45°	3204	3973	3226
50°	1096	2894	1167
55°	641	1201	667
60°	444	520	444
65°	290	290	290
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3973 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.7	28.3
10°-20°	761.3	45.5
20°-30°	329.0	19.7
30°-40°	75.0	4.5
40°-50°	25.7	1.5
50°-60°	6.3	0.4
60°-70°	1.6	0.1
70°-80°	0.2	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°	1563.1	93.5
0°-40°	1638.1	98.0
0°-60°	1670.1	99.9
0°-90°	1671.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5376	5376	5376	5376	5376	
5°	5202	5197	5196	5206	5202	473
15°	2850	2816	2835	2826	2821	763
25°	670	695	755	678	656	321
35°	112	115	108	107	90	76
45°	30	37	37	37	30	21
55°	5	5	9	5	5	5
65°	2	2	2	2	2	2
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°	5376.0	5376.0	5376.0	5376.0	5376.0
2.5°	5340.4	5336.7	5338.8	5341.4	5342.5
5°	5201.8	5196.8	5195.7	5206.5	5202.0
7.5°	4922.3	4915.1	4904.3	4928.9	4951.8
10°	4454.0	4446.1	4422.6	4434.2	4453.0
12.5°	3762.8	3737.2	3736.6	3773.6	3768.6
15°	2850.3	2816.0	2835.0	2825.8	2820.8
17.5°	1916.8	1903.6	1928.9	1921.2	1888.2
20°	1378.8	1382.3	1430.6	1406.3	1377.0
22.5°	1006.1	1018.6	1075.8	1013.3	990.3
25°	669.9	695.2	755.4	677.5	656.2
27.5°	412.0	423.6	484.6	406.7	395.1
30°	256.3	250.5	279.3	239.7	223.3
32.5°	168.1	160.7	170.0	152.6	139.4
35°	112.4	114.8	107.7	106.9	90.3
37.5°	70.2	80.8	71.3	76.0	58.1
40°	45.4	58.6	50.4	55.7	42.8
42.5°	37.2	45.1	41.4	44.1	38.0
45°	29.6	36.7	36.7	36.7	29.8
47.5°	16.4	24.5	31.4	25.1	17.4
50°	9.2	12.4	24.3	12.9	9.8
52.5°	6.3	7.1	16.6	7.4	6.6
55°	4.8	5.0	9.0	5.3	5.0
57.5°	3.7	4.0	4.8	4.0	3.7
60°	2.9	2.9	3.4	3.2	2.9
62.5°	2.1	2.1	2.4	2.1	2.1
65°	1.6	1.6	1.6	1.6	1.6
67.5°	0.8	1.1	1.1	1.1	1.1
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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