

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: P790199

Luminaire Tested: LER6D20D010-EC6DR3020359035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790199
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: LER6D20D010-EC6DR3020359035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2778.0 lumens
Efficiency: N/A
Efficacy: 120.3 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): 23.1
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

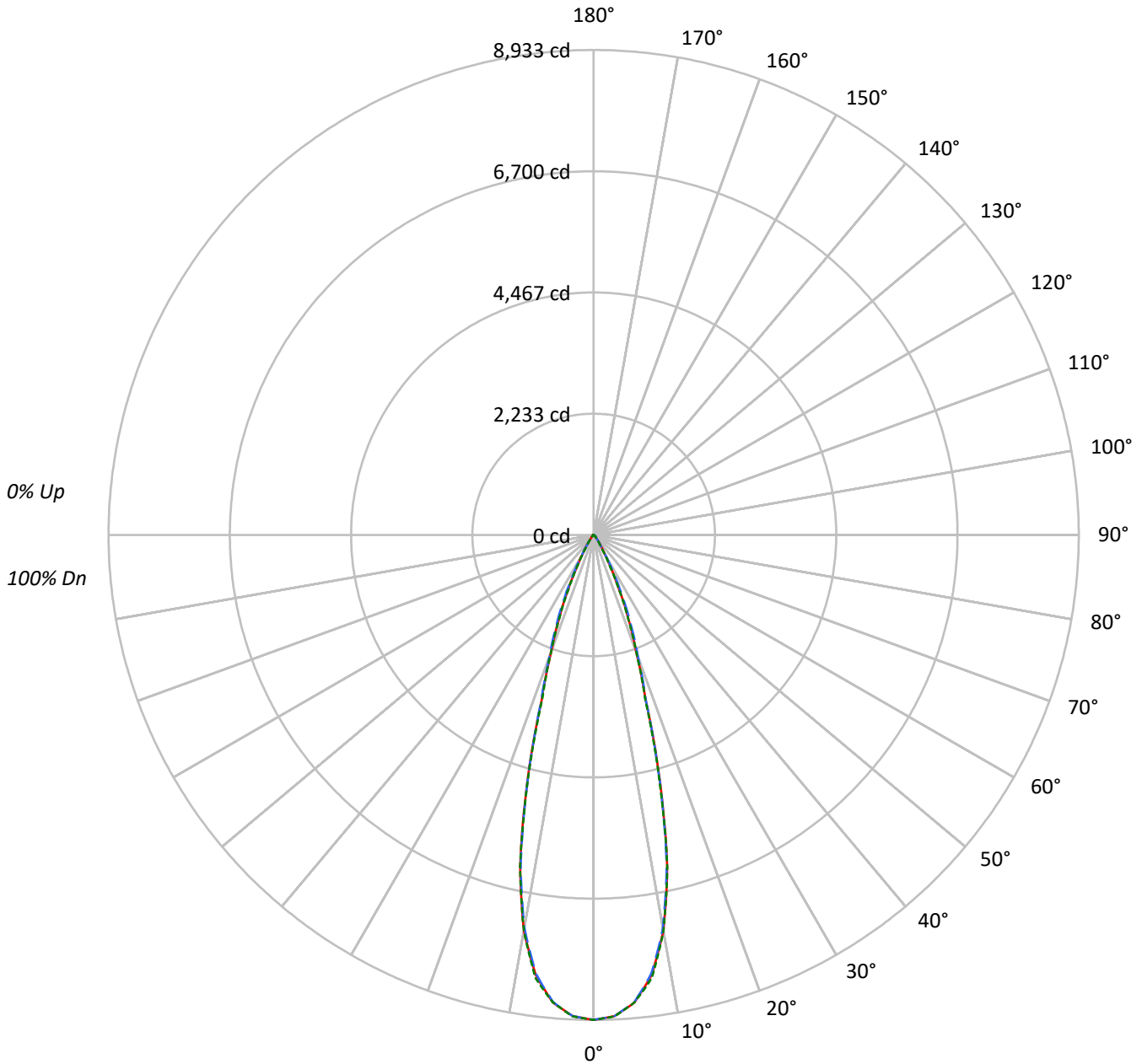


Downlight

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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°	683732	683732	683732
5°	664099	663323	664138
10°	575213	571156	575074
15°	375297	373285	371407
20°	186615	193620	186371
25°	94008	106010	92083
30°	37634	41011	32791
35°	17455	16717	14016
40°	7534	8373	7094
45°	5315	6603	5369
50°	1822	4799	1929
55°	1054	1988	1108
60°	735	873	735
65°	471	471	471
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6603 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.5	28.3
10°-20°	1265.0	45.5
20°-30°	546.7	19.7
30°-40°	124.6	4.5
40°-50°	42.8	1.5
50°-60°	10.4	0.4
60°-70°	2.7	0.1
70°-80°	0.3	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°	2597.2	93.5
0°-40°	2721.8	98.0
0°-60°	2775.0	99.9
0°-90°	2778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8933	8933	8933	8933	8933	
5°	8643	8635	8633	8651	8644	786
15°	4736	4679	4711	4695	4687	1268
25°	1113	1155	1255	1126	1090	533
35°	187	191	179	178	150	127
45°	49	61	61	61	50	35
55°	8	8	15	9	8	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8932.6	8932.6	8932.6	8932.6	8932.6
2.5°	8873.4	8867.2	8870.7	8875.1	8876.9
5°	8643.1	8634.8	8633.0	8651.0	8643.6
7.5°	8178.7	8166.8	8148.9	8189.7	8227.8
10°	7400.7	7387.5	7348.5	7367.8	7398.9
12.5°	6252.1	6209.6	6208.7	6270.1	6261.7
15°	4736.0	4679.0	4710.6	4695.2	4686.9
17.5°	3184.8	3162.9	3205.0	3192.3	3137.5
20°	2291.0	2296.7	2377.0	2336.6	2288.0
22.5°	1671.8	1692.4	1787.6	1683.6	1645.5
25°	1113.1	1155.2	1255.2	1125.8	1090.3
27.5°	684.6	703.9	805.2	675.8	656.5
30°	425.8	416.2	464.0	398.2	371.0
32.5°	279.4	267.1	282.4	253.5	231.6
35°	186.8	190.8	178.9	177.6	150.0
37.5°	116.7	134.2	118.4	126.3	96.5
40°	75.4	97.4	83.8	92.5	71.0
42.5°	61.8	75.0	68.9	73.2	63.2
45°	49.1	61.0	61.0	61.0	49.6
47.5°	27.2	40.8	52.2	41.7	28.9
50°	15.3	20.6	40.3	21.5	16.2
52.5°	10.5	11.8	27.6	12.3	11.0
55°	7.9	8.3	14.9	8.8	8.3
57.5°	6.1	6.6	7.9	6.6	6.1
60°	4.8	4.8	5.7	5.3	4.8
62.5°	3.5	3.5	3.9	3.5	3.5
65°	2.6	2.6	2.6	2.6	2.6
67.5°	1.3	1.8	1.8	1.8	1.8
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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(END OF REPORT)