

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: P791831

Luminaire Tested: LER6D35BD010-EC6DR3020359035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791831
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: LER6D35BD010-EC6DR3020359035-6LBDP1B
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: 3021.3 lumens
Efficiency: N/A
Efficacy: 98.1 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): 30.8
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

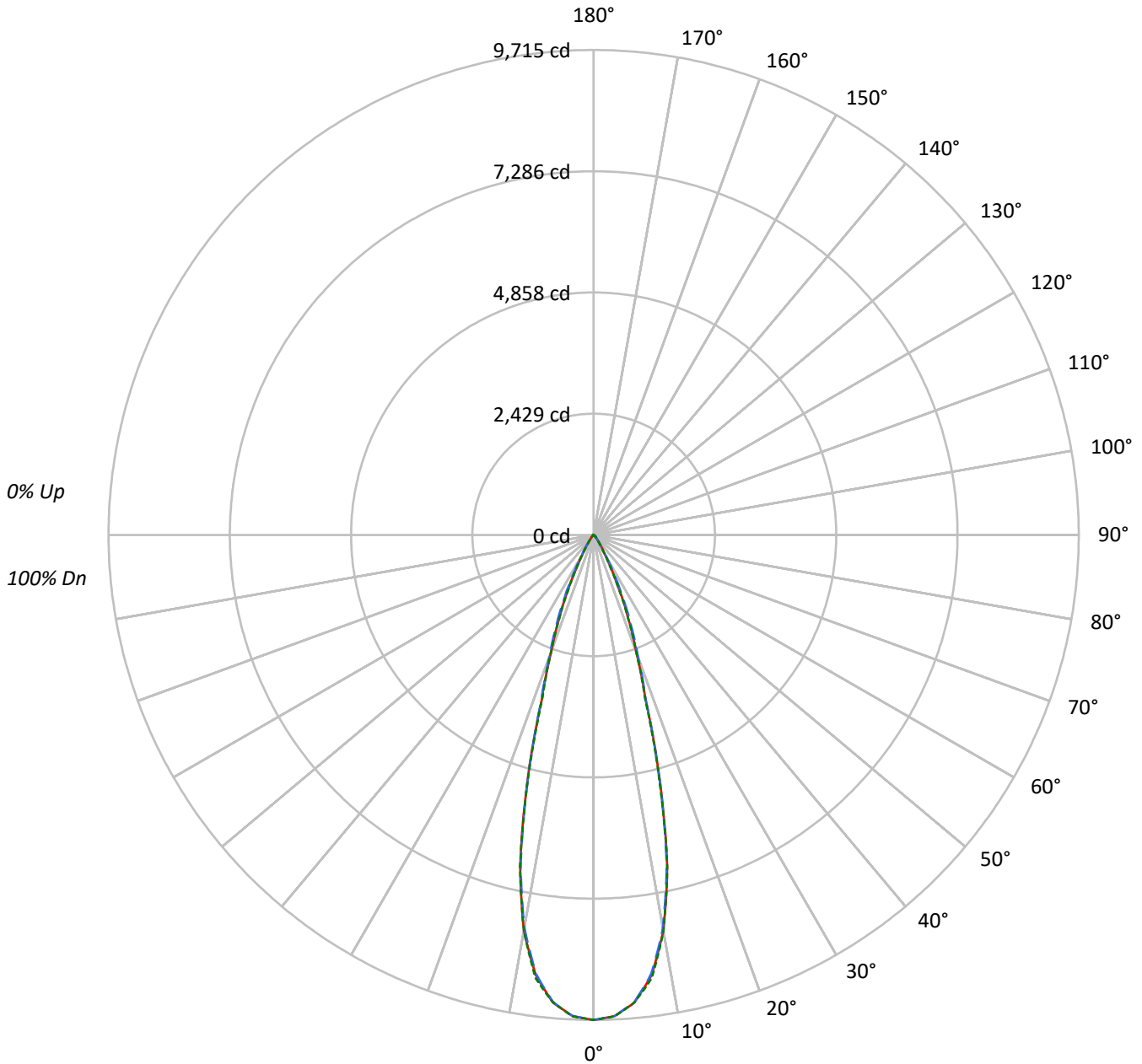


Downlight

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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°	743604	743604	743604
5°	722256	721419	722295
10°	625587	621172	625439
15°	408160	405973	403928
20°	202963	210571	202686
25°	102234	115291	100140
30°	40931	44599	35663
35°	18987	18184	15240
40°	8193	9103	7724
45°	5780	7177	5835
50°	1989	5228	2096
55°	1148	2162	1214
60°	796	949	796
65°	525	525	525
70°	313	224	313
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7177 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.3	28.3
10°-20°	1375.8	45.5
20°-30°	594.5	19.7
30°-40°	135.5	4.5
40°-50°	46.5	1.5
50°-60°	11.4	0.4
60°-70°	3.0	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°	2824.6	93.5
0°-40°	2960.1	98.0
0°-60°	3018.0	99.9
0°-90°	3021.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3021.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9715	9715	9715	9715	9715	
5°	9400	9391	9389	9409	9400	855
15°	5151	5089	5123	5106	5097	1379
25°	1210	1256	1365	1224	1186	579
35°	203	208	195	193	163	138
45°	53	66	66	66	54	38
55°	9	9	16	10	9	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°	9714.8	9714.8	9714.8	9714.8	9714.8
2.5°	9650.4	9643.8	9647.6	9652.3	9654.2
5°	9400.0	9391.0	9389.1	9408.6	9400.5
7.5°	8894.9	8882.0	8862.5	8906.8	8948.3
10°	8048.8	8034.5	7992.0	8013.0	8046.9
12.5°	6799.6	6753.3	6752.4	6819.2	6810.1
15°	5150.7	5088.7	5123.1	5106.4	5097.3
17.5°	3463.7	3439.9	3485.7	3471.8	3412.2
20°	2491.7	2497.9	2585.1	2541.3	2488.3
22.5°	1818.2	1840.6	1944.1	1831.1	1789.6
25°	1210.5	1256.3	1365.1	1224.4	1185.7
27.5°	744.5	765.5	875.7	735.0	714.0
30°	463.1	452.6	504.6	433.1	403.5
32.5°	303.8	290.5	307.2	275.7	251.8
35°	203.2	207.5	194.6	193.2	163.1
37.5°	126.9	146.0	128.8	137.4	104.9
40°	82.0	105.9	91.1	100.6	77.3
42.5°	67.3	81.6	74.9	79.7	68.7
45°	53.4	66.3	66.3	66.3	53.9
47.5°	29.6	44.4	56.8	45.3	31.5
50°	16.7	22.4	43.9	23.4	17.6
52.5°	11.4	12.9	30.0	13.4	11.9
55°	8.6	9.1	16.2	9.5	9.1
57.5°	6.7	7.2	8.6	7.2	6.7
60°	5.2	5.2	6.2	5.7	5.2
62.5°	3.8	3.8	4.3	3.8	3.8
65°	2.9	2.9	2.9	2.9	2.9
67.5°	1.4	1.9	1.9	1.9	1.9
70°	1.4	1.0	1.0	1.0	1.4
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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