

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: P791836

Luminaire Tested: LER6D35BD010-EC6DR3020359035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791836
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-EC6DR3020359035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3950.2 lumens
Efficiency: N/A
Efficacy: 128.3 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): 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

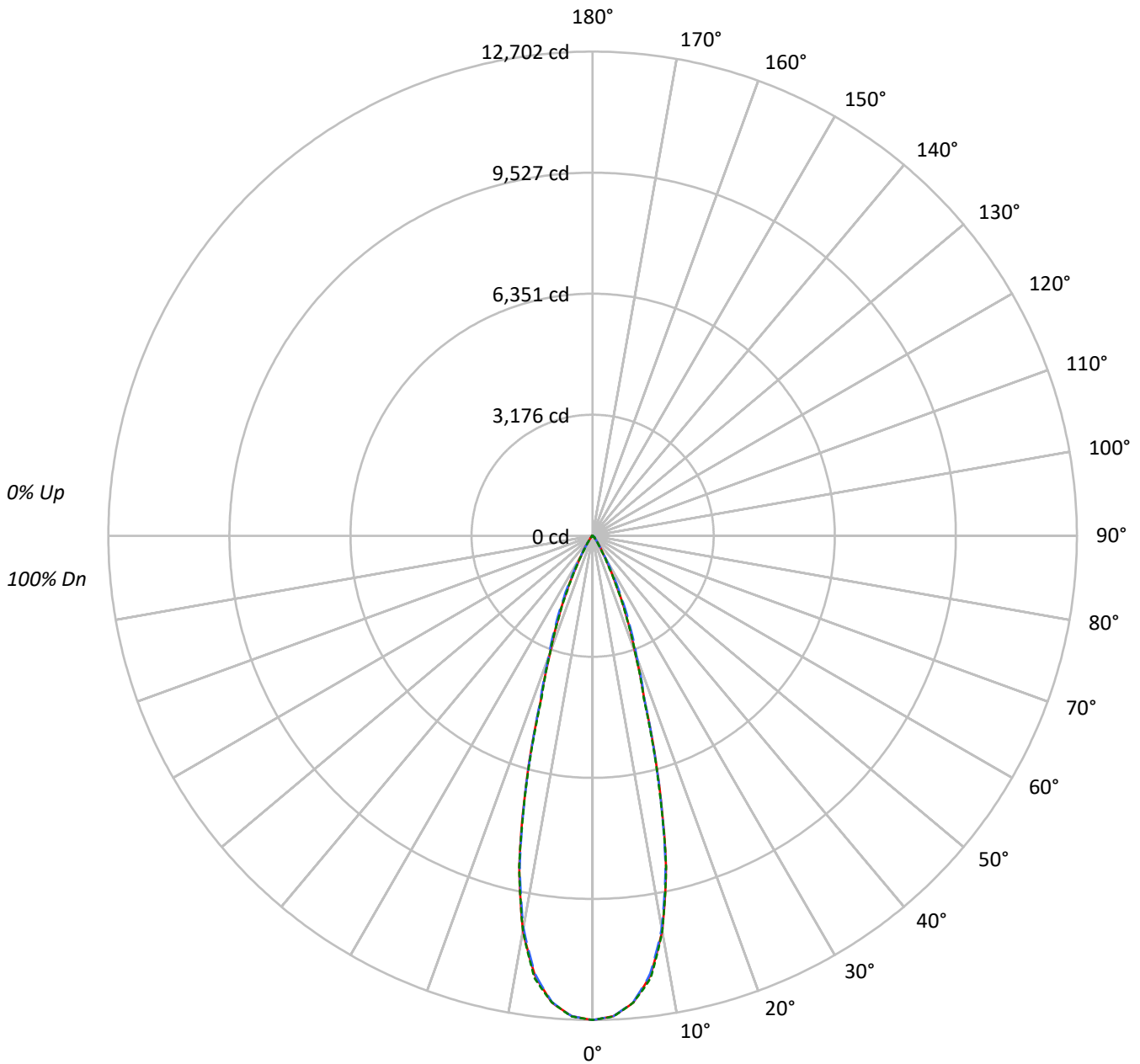


Downlight

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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°	972239	972239	972239
5°	944327	943228	944373
10°	817931	812163	817736
15°	533658	530797	528127
20°	265367	275321	265008
25°	133669	150738	130933
30°	53517	58316	46632
35°	24828	23772	19931
40°	10721	11901	10092
45°	7556	9385	7632
50°	2596	6835	2751
55°	1495	2829	1575
60°	1056	1240	1056
65°	670	670	670
70°	425	269	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 9385 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.9	28.3
10°-20°	1798.8	45.5
20°-30°	777.3	19.7
30°-40°	177.2	4.5
40°-50°	60.8	1.5
50°-60°	14.9	0.4
60°-70°	3.8	0.1
70°-80°	0.4	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°	3693.1	93.5
0°-40°	3870.2	98.0
0°-60°	3945.9	99.9
0°-90°	3950.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3950.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12702	12702	12702	12702	12702	
5°	12290	12278	12276	12301	12291	1118
15°	6734	6653	6698	6676	6665	1803
25°	1583	1643	1785	1601	1550	758
35°	266	271	254	253	213	180
45°	70	87	87	87	70	50
55°	11	12	21	12	12	11
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
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°	12701.8	12701.8	12701.8	12701.8	12701.8
2.5°	12617.6	12608.9	12613.9	12620.1	12622.6
5°	12290.2	12278.4	12275.9	12301.4	12290.8
7.5°	11629.8	11613.0	11587.4	11645.4	11699.6
10°	10523.5	10504.8	10449.3	10476.7	10521.0
12.5°	8890.3	8829.8	8828.5	8915.8	8904.0
15°	6734.4	6653.4	6698.3	6676.4	6664.6
17.5°	4528.7	4497.5	4557.4	4539.3	4461.3
20°	3257.8	3265.9	3380.0	3322.6	3253.4
22.5°	2377.2	2406.5	2541.9	2394.1	2339.8
25°	1582.7	1642.6	1784.8	1600.8	1550.3
27.5°	973.5	1000.9	1145.0	961.0	933.6
30°	605.5	591.8	659.8	566.2	527.6
32.5°	397.2	379.8	401.6	360.4	329.3
35°	265.7	271.3	254.4	252.6	213.3
37.5°	165.9	190.8	168.4	179.6	137.2
40°	107.3	138.4	119.1	131.6	101.0
42.5°	87.9	106.6	97.9	104.1	89.8
45°	69.8	86.7	86.7	86.7	70.5
47.5°	38.7	58.0	74.2	59.2	41.2
50°	21.8	29.3	57.4	30.6	23.1
52.5°	15.0	16.8	39.3	17.5	15.6
55°	11.2	11.8	21.2	12.5	11.8
57.5°	8.7	9.4	11.2	9.4	8.7
60°	6.9	6.9	8.1	7.5	6.9
62.5°	5.0	5.0	5.6	5.0	5.0
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.2	1.2	1.2	1.9
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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)