

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: P791820

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791820
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-EC6DR3020359027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3794.4 lumens
Efficiency: N/A
Efficacy: 123.2 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

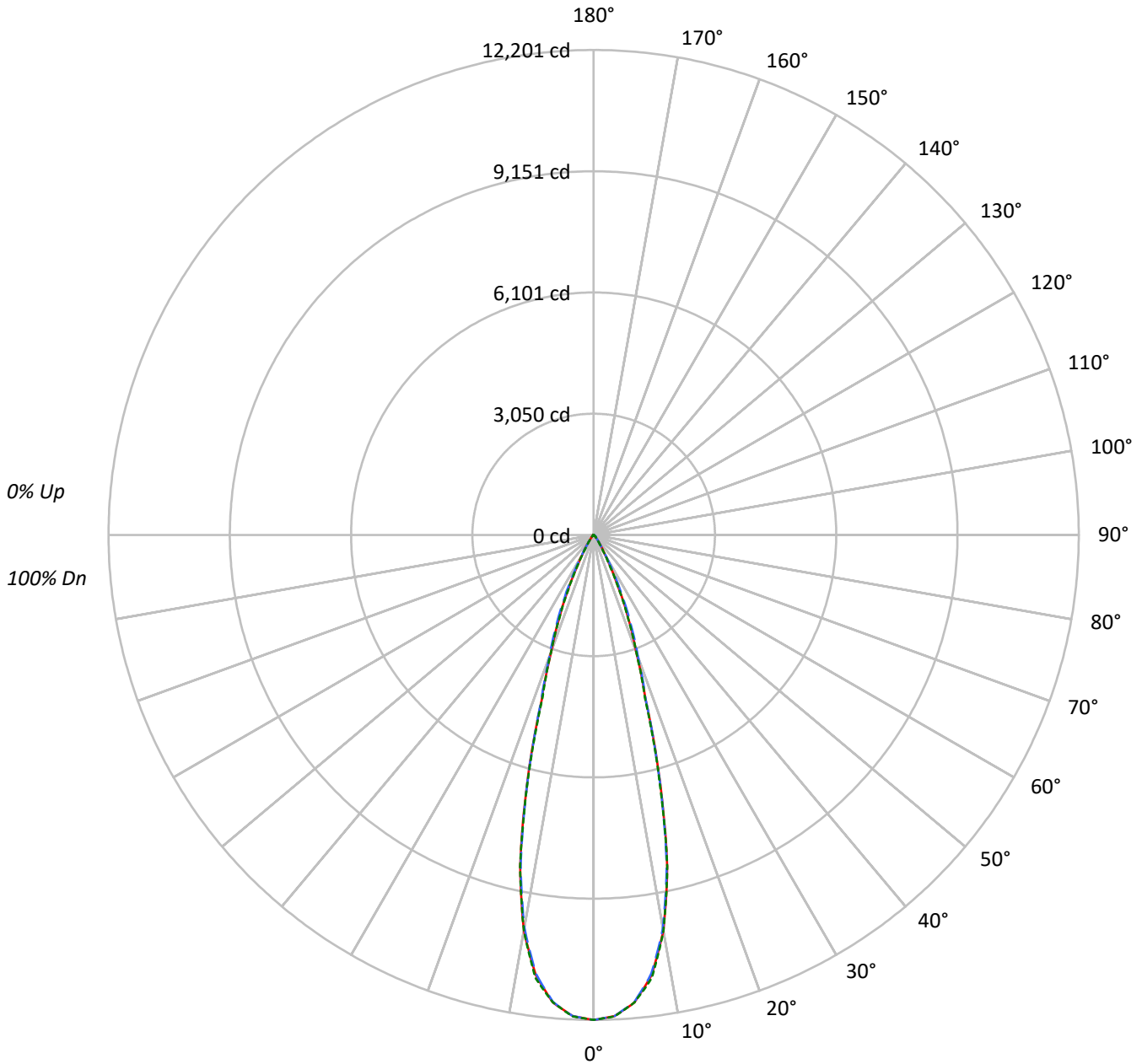


Downlight

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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°	933883	933883	933883
5°	907069	906017	907116
10°	785660	780126	785473
15°	512603	509853	507293
20°	254891	264454	254557
25°	128399	144792	125764
30°	51405	56018	44793
35°	23846	22837	19146
40°	10292	11431	9692
45°	7263	9017	7328
50°	2501	6561	2644
55°	1441	2722	1521
60°	1010	1194	1010
65°	652	652	652
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 9017 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1072.9	28.3
10°-20°	1727.9	45.5
20°-30°	746.7	19.7
30°-40°	170.2	4.5
40°-50°	58.4	1.5
50°-60°	14.3	0.4
60°-70°	3.7	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°	3547.4	93.5
0°-40°	3717.6	98.0
0°-60°	3790.3	99.9
0°-90°	3794.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3794.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12201	12201	12201	12201	12201	
5°	11805	11794	11792	11816	11806	1074
15°	6469	6391	6434	6413	6402	1732
25°	1520	1578	1714	1538	1489	728
35°	255	261	244	243	205	173
45°	67	83	83	83	68	48
55°	11	11	20	12	11	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12200.7	12200.7	12200.7	12200.7	12200.7
2.5°	12119.8	12111.4	12116.2	12122.2	12124.6
5°	11805.3	11794.0	11791.6	11816.1	11805.9
7.5°	11171.0	11154.8	11130.3	11186.0	11238.1
10°	10108.3	10090.4	10037.1	10063.4	10105.9
12.5°	8539.5	8481.4	8480.2	8564.1	8552.7
15°	6468.7	6390.9	6434.0	6413.0	6401.7
17.5°	4350.0	4320.1	4377.6	4360.2	4285.3
20°	3129.2	3137.0	3246.6	3191.5	3125.1
22.5°	2283.4	2311.6	2441.6	2299.6	2247.5
25°	1520.3	1577.8	1714.4	1537.7	1489.1
27.5°	935.1	961.4	1099.8	923.1	896.7
30°	581.6	568.5	633.8	543.9	506.8
32.5°	381.6	364.8	385.8	346.2	316.3
35°	255.2	260.6	244.4	242.6	204.9
37.5°	159.3	183.3	161.7	172.5	131.8
40°	103.0	133.0	114.4	126.4	97.0
42.5°	84.5	102.4	94.0	100.0	86.3
45°	67.1	83.3	83.3	83.3	67.7
47.5°	37.1	55.7	71.3	56.9	39.5
50°	21.0	28.2	55.1	29.4	22.2
52.5°	14.4	16.2	37.7	16.8	15.0
55°	10.8	11.4	20.4	12.0	11.4
57.5°	8.4	9.0	10.8	9.0	8.4
60°	6.6	6.6	7.8	7.2	6.6
62.5°	4.8	4.8	5.4	4.8	4.8
65°	3.6	3.6	3.6	3.6	3.6
67.5°	1.8	2.4	2.4	2.4	2.4
70°	1.8	1.2	1.2	1.2	1.8
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)