

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: P791827

Luminaire Tested: LER6D35BD010-EC6DR3020359030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791827
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-EC6DR3020359030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3665.0 lumens
Efficiency: N/A
Efficacy: 119.0 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

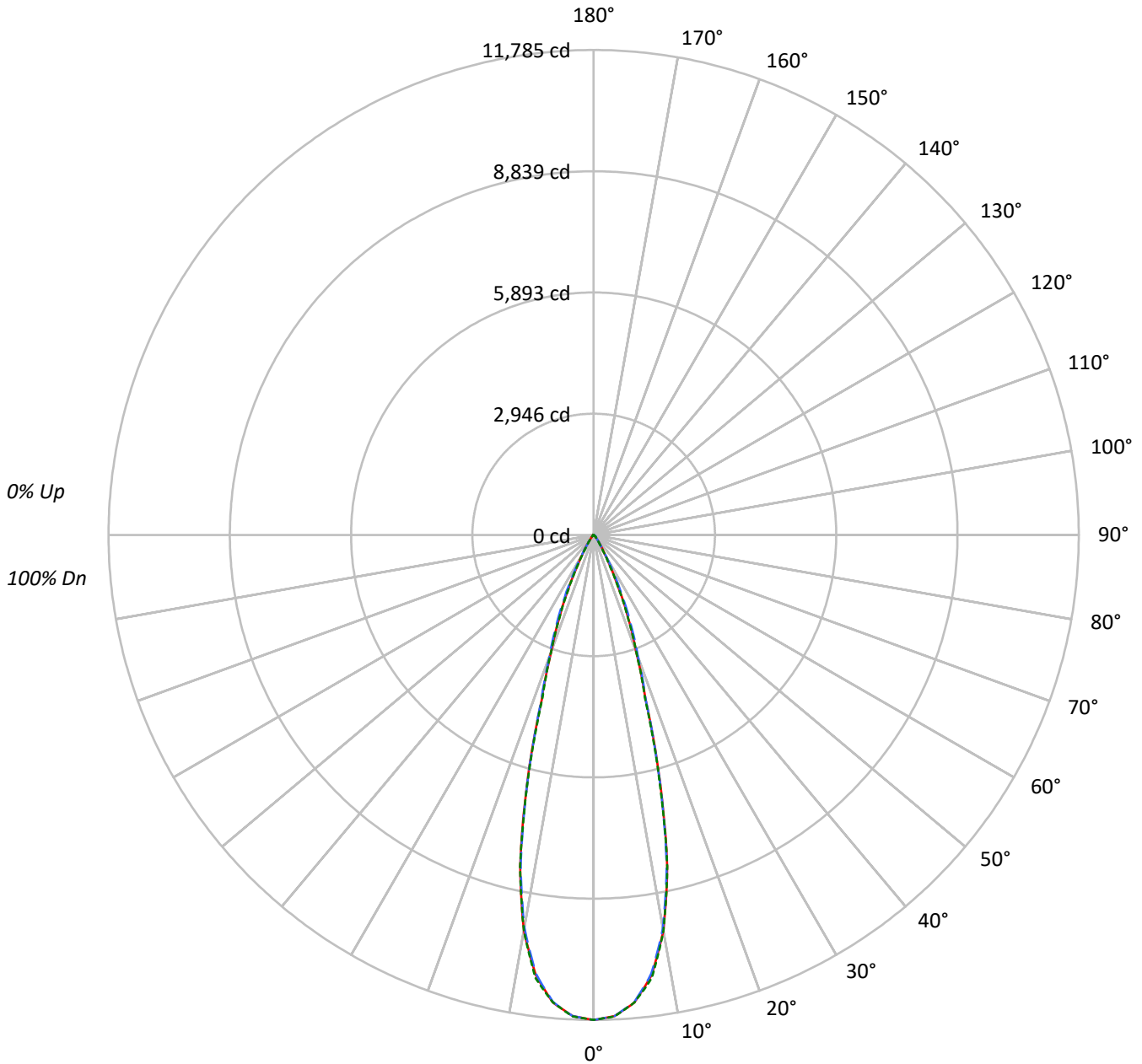
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	902049	902049	902049
5°	876151	875129	876197
10°	758884	753528	758705
15°	495130	492475	489995
20°	246208	255445	245874
25°	124024	139851	121482
30°	49655	54109	43264
35°	23034	22062	18492
40°	9942	11041	9363
45°	7015	8703	7079
50°	2417	6335	2548
55°	1388	2629	1468
60°	980	1148	980
65°	634	634	634
70°	380	269	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8703 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.3	28.3
10°-20°	1669.0	45.5
20°-30°	721.2	19.7
30°-40°	164.4	4.5
40°-50°	56.4	1.5
50°-60°	13.8	0.4
60°-70°	3.6	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°	3426.5	93.5
0°-40°	3590.8	98.0
0°-60°	3661.1	99.9
0°-90°	3665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11785	11785	11785	11785	11785	
5°	11403	11392	11390	11413	11404	1037
15°	6248	6173	6215	6194	6183	1673
25°	1468	1524	1656	1485	1438	703
35°	246	252	236	234	198	167
45°	65	80	80	80	65	46
55°	10	11	20	12	11	10
65°	4	4	4	4	4	3
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°	11784.8	11784.8	11784.8	11784.8	11784.8
2.5°	11706.7	11698.6	11703.2	11709.0	11711.3
5°	11402.9	11391.9	11389.6	11413.3	11403.5
7.5°	10790.2	10774.6	10750.9	10804.7	10855.0
10°	9763.8	9746.4	9694.9	9720.4	9761.5
12.5°	8248.4	8192.3	8191.2	8272.2	8261.2
15°	6248.2	6173.0	6214.7	6194.4	6183.4
17.5°	4201.7	4172.8	4228.4	4211.6	4139.3
20°	3022.6	3030.1	3136.0	3082.7	3018.5
22.5°	2205.6	2232.8	2358.3	2221.2	2170.9
25°	1468.5	1524.0	1655.9	1485.3	1438.4
27.5°	903.2	928.6	1062.3	891.6	866.2
30°	561.8	549.1	612.2	525.4	489.5
32.5°	368.6	352.4	372.6	334.4	305.5
35°	246.5	251.7	236.1	234.3	197.9
37.5°	153.9	177.0	156.2	166.6	127.3
40°	99.5	128.4	110.5	122.1	93.7
42.5°	81.6	98.9	90.8	96.6	83.3
45°	64.8	80.4	80.4	80.4	65.4
47.5°	35.9	53.8	68.9	55.0	38.2
50°	20.3	27.2	53.2	28.4	21.4
52.5°	13.9	15.6	36.5	16.2	14.5
55°	10.4	11.0	19.7	11.6	11.0
57.5°	8.1	8.7	10.4	8.7	8.1
60°	6.4	6.4	7.5	6.9	6.4
62.5°	4.6	4.6	5.2	4.6	4.6
65°	3.5	3.5	3.5	3.5	3.5
67.5°	1.7	2.3	2.3	2.3	2.3
70°	1.7	1.2	1.2	1.2	1.7
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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