

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: P791813

Luminaire Tested: LER6D35BD010-EC6DR3020359024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791813
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-EC6DR3020359024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3517.1 lumens
Efficiency: N/A
Efficacy: 114.2 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

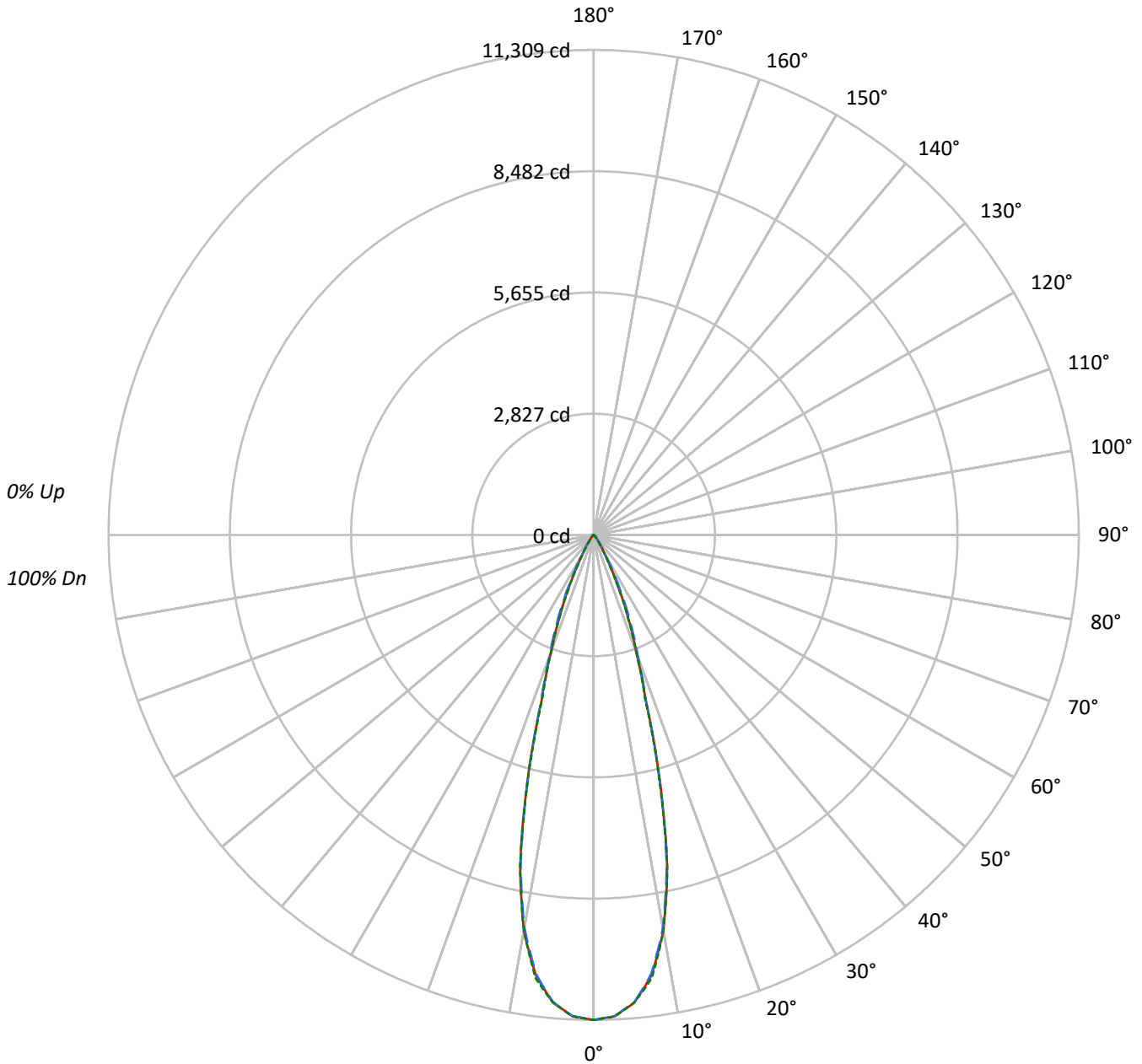
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	865637	865637	865637
5°	840783	839807	840829
10°	728252	723115	728074
15°	475144	472593	470215
20°	236271	245133	235953
25°	119016	134209	116575
30°	47648	51917	41514
35°	22099	21165	17745
40°	9542	10602	8983
45°	6733	8357	6787
50°	2310	6085	2441
55°	1334	2522	1401
60°	934	1102	934
65°	598	598	598
70°	380	246	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: 8357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.5	28.3
10°-20°	1601.6	45.5
20°-30°	692.1	19.7
30°-40°	157.7	4.5
40°-50°	54.2	1.5
50°-60°	13.2	0.4
60°-70°	3.4	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°	3288.2	93.5
0°-40°	3445.9	98.0
0°-60°	3513.3	99.9
0°-90°	3517.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3517.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11309	11309	11309	11309	11309	
5°	10943	10932	10930	10953	10943	995
15°	5996	5924	5964	5944	5934	1606
25°	1409	1462	1589	1425	1380	675
35°	236	242	226	225	190	160
45°	62	77	77	77	63	44
55°	10	10	19	11	10	10
65°	3	3	3	3	3	3
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°	11309.1	11309.1	11309.1	11309.1	11309.1
2.5°	11234.1	11226.4	11230.8	11236.4	11238.6
5°	10942.6	10932.1	10929.9	10952.6	10943.2
7.5°	10354.7	10339.7	10316.9	10368.5	10416.8
10°	9369.7	9353.0	9303.6	9328.0	9367.4
12.5°	7915.5	7861.6	7860.5	7938.3	7927.7
15°	5996.0	5923.8	5963.8	5944.4	5933.8
17.5°	4032.1	4004.4	4057.7	4041.6	3972.2
20°	2900.6	2907.8	3009.4	2958.3	2896.7
22.5°	2116.6	2142.7	2263.2	2131.6	2083.3
25°	1409.2	1462.5	1589.1	1425.3	1380.3
27.5°	866.7	891.2	1019.4	855.6	831.2
30°	539.1	526.9	587.4	504.2	469.7
32.5°	353.7	338.1	357.6	320.9	293.2
35°	236.5	241.5	226.5	224.9	189.9
37.5°	147.7	169.9	149.9	159.9	122.2
40°	95.5	123.3	106.1	117.2	89.9
42.5°	78.3	94.9	87.2	92.7	80.0
45°	62.2	77.2	77.2	77.2	62.7
47.5°	34.4	51.6	66.1	52.7	36.6
50°	19.4	26.1	51.1	27.2	20.5
52.5°	13.3	15.0	35.0	15.5	13.9
55°	10.0	10.5	18.9	11.1	10.5
57.5°	7.8	8.3	10.0	8.3	7.8
60°	6.1	6.1	7.2	6.7	6.1
62.5°	4.4	4.4	5.0	4.4	4.4
65°	3.3	3.3	3.3	3.3	3.3
67.5°	1.7	2.2	2.2	2.2	2.2
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	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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