

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: P791188

Luminaire Tested: LER6D30D010-EC6DR1515309024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR1515309024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2955.9 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

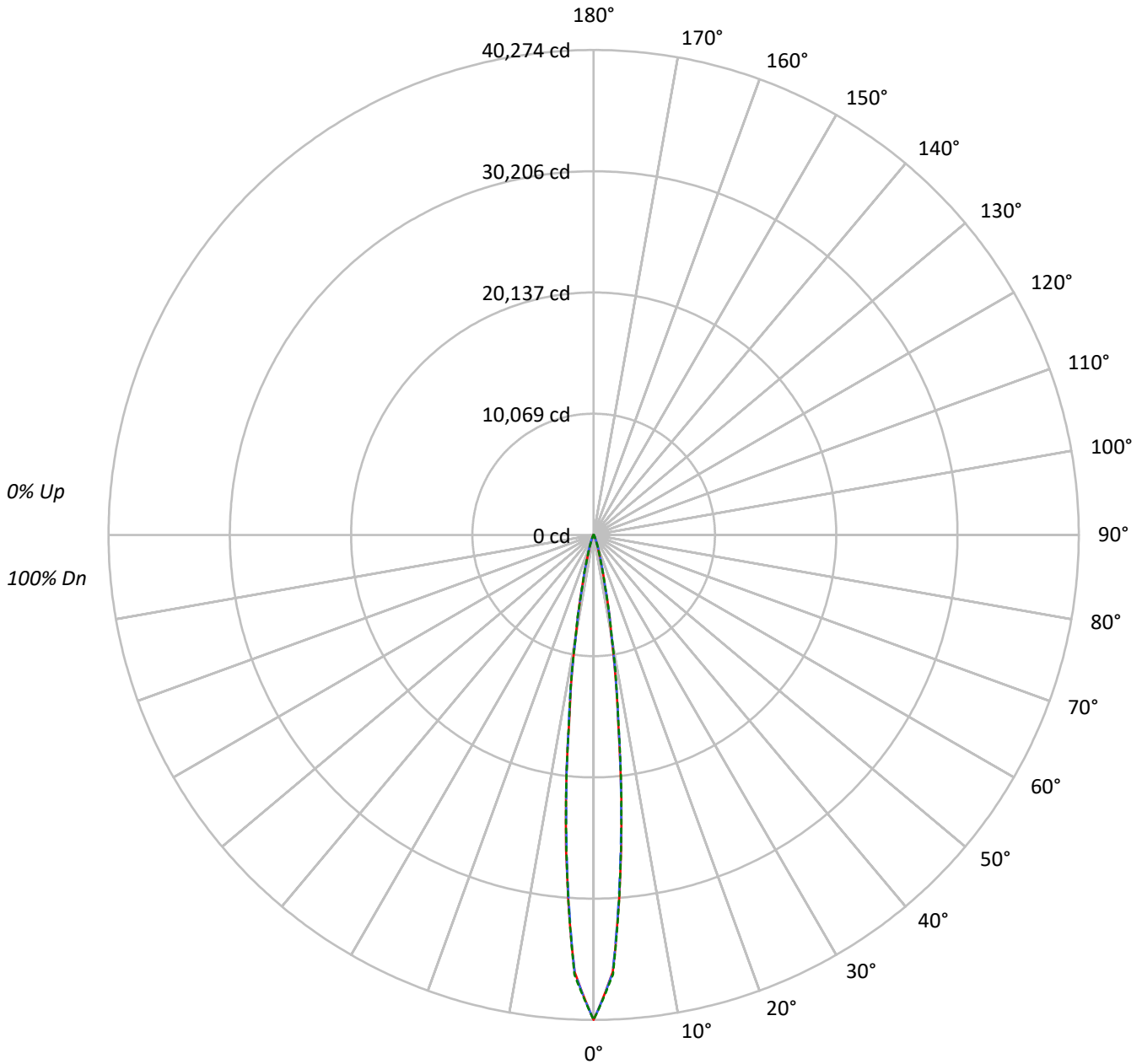
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					100														
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98					98														
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96					96														
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94					94														
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93					93														
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92					92														
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90					90														
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89					89														
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88					88														
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87					87														
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86					86														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4531617	4531617	4531617
5°	2662992	2628510	2649303
10°	794775	800346	812597
15°	197695	201543	195324
20°	59150	68494	60402
25°	20854	26564	21119
30°	7660	10087	7788
35°	3842	4335	3711
40°	2422	2663	2422
45°	1792	1911	1792
50°	1425	1425	1425
55°	1183	1183	1183
60°	955	955	955
65°	728	728	728
70°	622	622	622
75°	385	385	514
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1911 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1917.1	64.9
10°-20°	788.6	26.7
20°-30°	156.6	5.3
30°-40°	39.1	1.3
40°-50°	20.6	0.7
50°-60°	15.2	0.5
60°-70°	10.7	0.4
70°-80°	6.1	0.2
80°-90°	1.8	0.1
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°	2862.3	96.8
0°-40°	2901.4	98.2
0°-60°	2937.2	99.4
0°-90°	2955.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2955.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40274	40274	40274	40274	40274	
5°	26203	25934	25864	26043	26068	1913
15°	2276	2319	2320	2280	2249	780
25°	268	304	341	302	271	141
35°	53	56	60	56	51	36
45°	26	26	27	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	40273.9	40273.9	40273.9	40273.9	40273.9
2.5°	36328.7	36359.4	36371.3	36407.1	36540.1
5°	26203.1	25933.7	25863.8	26042.9	26068.4
7.5°	15521.7	15576.3	15775.7	15820.1	15659.8
10°	8517.8	8587.7	8577.5	8638.9	8708.8
12.5°	4356.1	4301.5	4284.5	4354.4	4257.2
15°	2276.1	2318.7	2320.4	2279.5	2248.8
17.5°	1224.1	1273.6	1355.4	1288.9	1186.6
20°	722.9	767.2	837.1	782.6	738.2
22.5°	446.7	482.5	531.9	489.3	453.5
25°	267.7	303.5	341.0	301.8	271.1
27.5°	158.6	189.2	213.1	187.5	156.9
30°	102.3	119.3	134.7	117.6	104.0
32.5°	71.6	78.4	85.2	78.4	71.6
35°	52.9	56.3	59.7	56.3	51.1
37.5°	40.9	44.3	46.0	42.6	39.2
40°	34.1	35.8	37.5	35.8	34.1
42.5°	29.0	30.7	30.7	30.7	29.0
45°	25.6	25.6	27.3	25.6	25.6
47.5°	22.2	22.2	23.9	22.2	22.2
50°	20.5	20.5	20.5	20.5	20.5
52.5°	18.8	18.8	18.8	18.8	18.8
55°	17.0	17.0	17.0	17.0	17.0
57.5°	15.3	15.3	15.3	15.3	15.3
60°	13.6	13.6	13.6	13.6	13.6
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.2	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2	10.2
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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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