

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: P791236

Luminaire Tested: LER6D30D010-EC6DR2015309024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR2015309024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3101.5 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

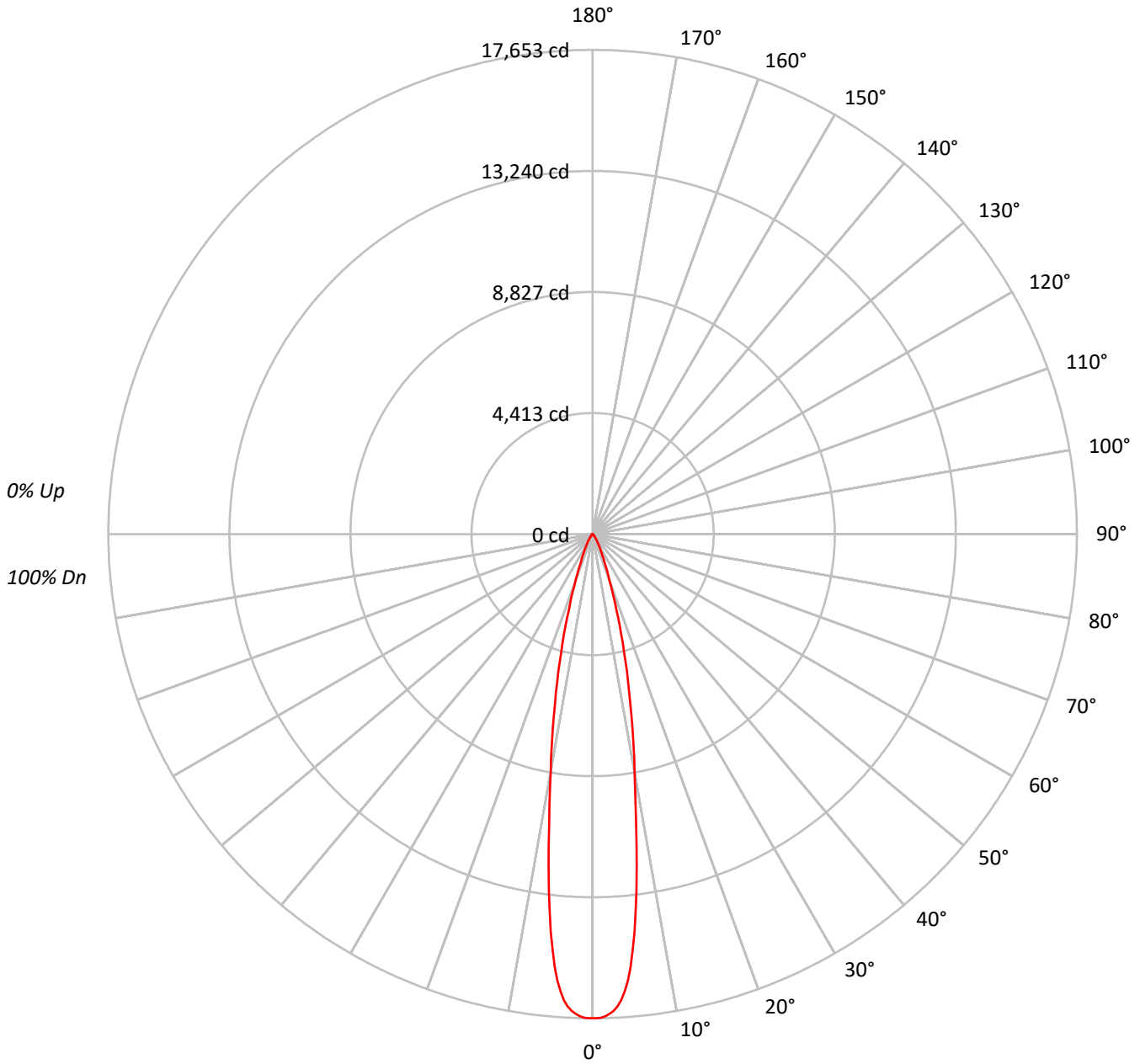
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	83																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	81																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	82	81	79																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	77																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	75																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75	73																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	74	73	71																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1928758
5°	1740098
10°	976638
15°	496439
20°	210186
25°	97023
30°	51361
35°	27677
40°	14791
45°	8746
50°	5082
55°	2686
60°	1726
65°	1215
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8746 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1256.9	40.5
10°-20°	1237.6	39.9
20°-30°	404.3	13.0
30°-40°	137.6	4.4
40°-50°	46.3	1.5
50°-60°	13.9	0.4
60°-70°	4.6	0.1
70°-80°	0.2	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°	2898.7	93.5
0°-40°	3036.4	97.9
0°-60°	3096.6	99.8
0°-90°	3101.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17653	
5°	15866	###
15°	4389	1238
25°	805	404
35°	208	138
45°	57	46
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17652.8
0.5°	17652.8
1°	17630.8
1.5°	17586.8
2°	17506.6
2.5°	17399.7
3°	17248.8
3.5°	17038.2
4°	16725.4
4.5°	16344.9
5°	15865.5
5.5°	15235.2
6°	14589.1
6.5°	13848.7
7°	13124.1
7.5°	12275.2
8°	11517.5
8.5°	10755.2
9°	10050.9
9.5°	9404.9
10°	8802.8
12.5°	6320.7
15°	4388.8
17.5°	2867.2
20°	1807.7
22.5°	1171.1
25°	804.8
27.5°	565.9
30°	407.1
32.5°	292.4
35°	207.5
37.5°	144.6
40°	103.7
42.5°	75.5
45°	56.6
47.5°	44.0
50°	29.9
52.5°	18.9
55°	14.1
57.5°	11.0
60°	7.9
62.5°	6.3
65°	4.7



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		3.1
70°		1.6

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(END OF REPORT)