

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: P790668

Luminaire Tested: LER6D25D010-EC6DR2015309027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790668
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: LER6D25D010-EC6DR2015309027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3063.2 lumens
Efficiency: N/A
Efficacy: 122.0 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): 25.1
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

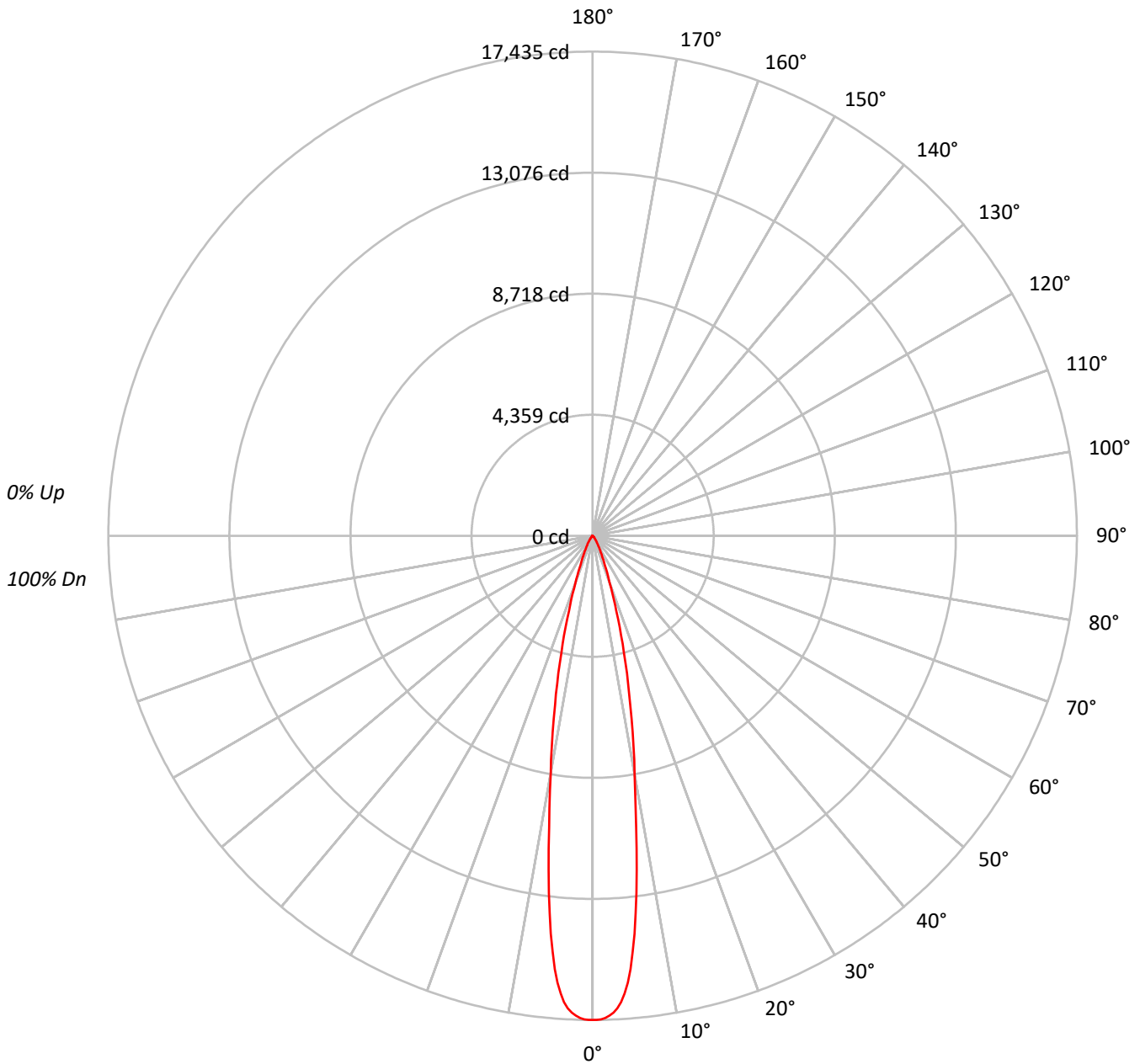


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1904939
5°	1718612
10°	964578
15°	490309
20°	207594
25°	95830
30°	50730
35°	27330
40°	14620
45°	8638
50°	5014
55°	2667
60°	1704
65°	1215
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1241.3	40.5
10°-20°	1222.3	39.9
20°-30°	399.3	13.0
30°-40°	135.9	4.4
40°-50°	45.7	1.5
50°-60°	13.8	0.4
60°-70°	4.6	0.2
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°	2862.9	93.5
0°-40°	2998.9	97.9
0°-60°	3058.4	99.8
0°-90°	3063.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3063.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17435	
5°	15670	###
15°	4335	1222
25°	795	399
35°	205	136
45°	56	46
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17434.8
0.5°	17434.8
1°	17413.0
1.5°	17369.6
2°	17290.4
2.5°	17184.8
3°	17035.8
3.5°	16827.7
4°	16518.8
4.5°	16143.1
5°	15669.6
5.5°	15047.0
6°	14408.9
6.5°	13677.7
7°	12962.0
7.5°	12123.6
8°	11375.3
8.5°	10622.3
9°	9926.8
9.5°	9288.7
10°	8694.1
12.5°	6242.7
15°	4334.6
17.5°	2831.8
20°	1785.4
22.5°	1156.6
25°	794.9
27.5°	558.9
30°	402.1
32.5°	288.8
35°	204.9
37.5°	142.8
40°	102.5
42.5°	74.5
45°	55.9
47.5°	43.5
50°	29.5
52.5°	18.6
55°	14.0
57.5°	10.9
60°	7.8
62.5°	6.2
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)