

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: P789564

Luminaire Tested: LER6D15D010-EC6DR300215IC9024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789564
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: LER6D15D010-EC6DR300215IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 2076.7 lumens
Efficiency: N/A
Efficacy: 131.4 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): 15.8
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

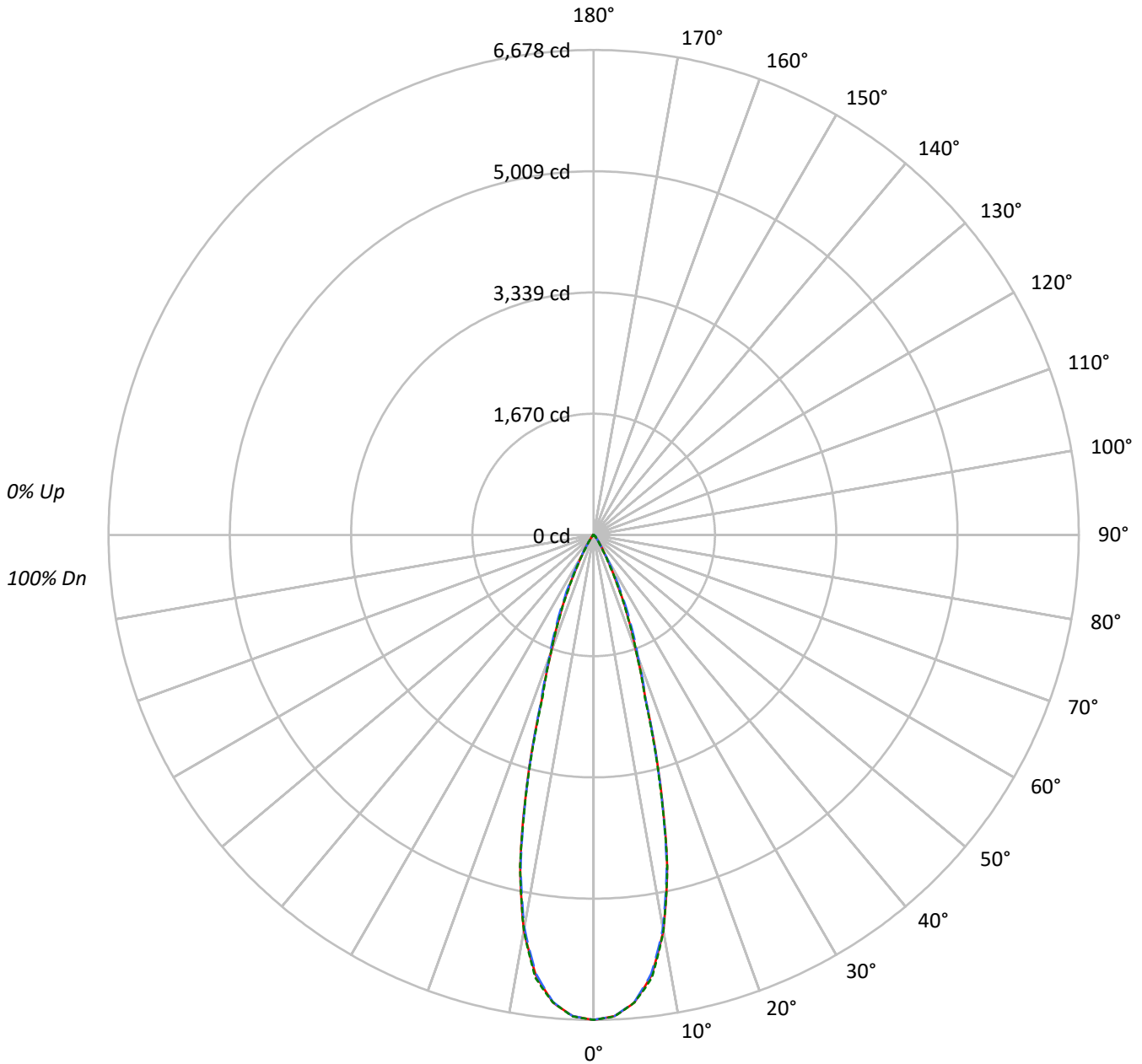


Downlight

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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°	511119	511119	511119
5°	496444	495867	496467
10°	429994	426962	429893
15°	280554	279040	277638
20°	139501	144739	139314
25°	70276	79245	68832
30°	28133	30661	24518
35°	13054	12503	10475
40°	5636	6255	5306
45°	3973	4936	4005
50°	1369	3596	1441
55°	787	1481	827
60°	551	658	551
65°	362	362	362
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.2	28.3
10°-20°	945.7	45.5
20°-30°	408.6	19.7
30°-40°	93.1	4.5
40°-50°	32.0	1.5
50°-60°	7.8	0.4
60°-70°	2.0	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°	1941.5	93.5
0°-40°	2034.6	98.0
0°-60°	2074.4	99.9
0°-90°	2076.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2076.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6678	6678	6678	6678	6678	
5°	6461	6455	6454	6467	6461	588
15°	3540	3498	3521	3510	3504	948
25°	832	864	938	842	815	398
35°	140	143	134	133	112	95
45°	37	46	46	46	37	26
55°	6	6	11	7	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
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°	6677.5	6677.5	6677.5	6677.5	6677.5
2.5°	6633.2	6628.6	6631.2	6634.5	6635.8
5°	6461.1	6454.9	6453.6	6467.0	6461.4
7.5°	6113.9	6105.1	6091.6	6122.1	6150.6
10°	5532.3	5522.5	5493.3	5507.7	5531.0
12.5°	4673.7	4641.9	4641.2	4687.1	4680.9
15°	3540.4	3497.7	3521.3	3509.9	3503.6
17.5°	2380.8	2364.4	2395.9	2386.4	2345.4
20°	1712.6	1716.9	1776.9	1746.7	1710.3
22.5°	1249.7	1265.1	1336.3	1258.6	1230.1
25°	832.1	863.5	938.3	841.6	815.0
27.5°	511.8	526.2	601.9	505.2	490.8
30°	318.3	311.1	346.9	297.7	277.4
32.5°	208.8	199.7	211.1	189.5	173.1
35°	139.7	142.6	133.8	132.8	112.1
37.5°	87.2	100.3	88.5	94.4	72.1
40°	56.4	72.8	62.6	69.2	53.1
42.5°	46.2	56.1	51.5	54.7	47.2
45°	36.7	45.6	45.6	45.6	37.0
47.5°	20.3	30.5	39.0	31.1	21.6
50°	11.5	15.4	30.2	16.1	12.1
52.5°	7.9	8.9	20.7	9.2	8.2
55°	5.9	6.2	11.1	6.6	6.2
57.5°	4.6	4.9	5.9	4.9	4.6
60°	3.6	3.6	4.3	3.9	3.6
62.5°	2.6	2.6	3.0	2.6	2.6
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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(END OF REPORT)