

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: P789846

Luminaire Tested: LER6D15D010-EC6DR600215IC9024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR600215IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2132.6 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' 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

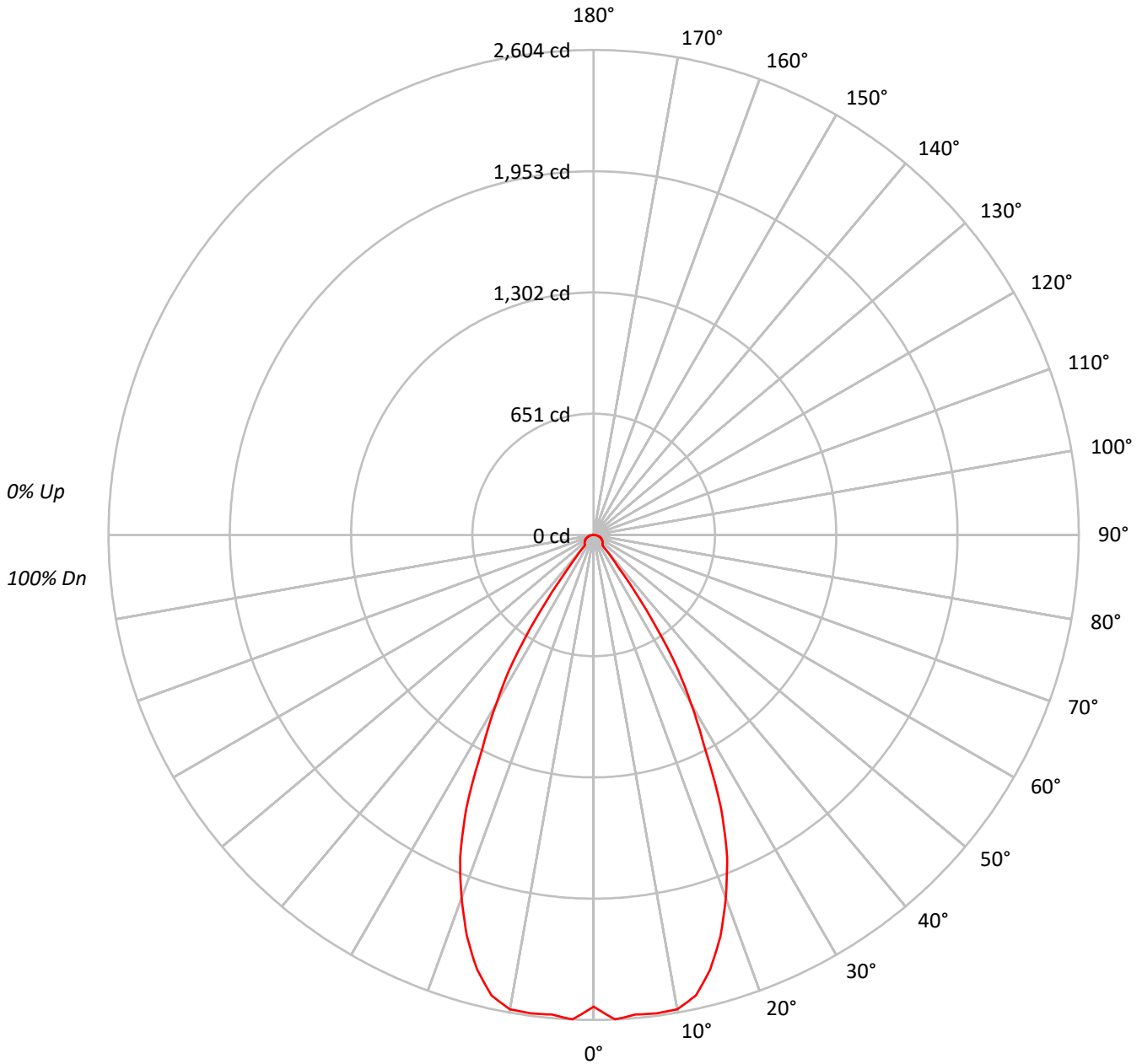


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276725
5°	283529
10°	286963
15°	273365
20°	241022
25°	194951
30°	131866
35°	66078
40°	10726
45°	10492
50°	10709
55°	10858
60°	11166
65°	11427
70°	11692
75°	11820
80°	11389
85°	9528

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11820 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	11.6
10°-20°	668.5	31.3
20°-30°	719.2	33.7
30°-40°	312.6	14.7
40°-50°	52.5	2.5
50°-60°	51.1	2.4
60°-70°	43.7	2.0
70°-80°	29.2	1.4
80°-90°	8.7	0.4
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°	1634.8	76.7
0°-40°	1947.4	91.3
0°-60°	2051.0	96.2
0°-90°	2132.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2533	
5°	2585	247
15°	2417	668
25°	1617	719
35°	495	313
45°	68	53
55°	57	51
65°	44	44
75°	28	29
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2532.7
2.5°	2603.9
5°	2585.1
7.5°	2591.1
10°	2586.5
12.5°	2533.1
15°	2416.7
17.5°	2260.5
20°	2072.9
22.5°	1872.2
25°	1617.1
27.5°	1293.4
30°	1045.2
32.5°	805.6
35°	495.4
37.5°	211.9
40°	75.2
42.5°	69.2
45°	67.9
47.5°	65.6
50°	63.0
52.5°	60.0
55°	57.0
57.5°	54.1
60°	51.1
62.5°	47.8
65°	44.2
67.5°	40.5
70°	36.6
72.5°	32.3
75°	28.0
77.5°	23.1
80°	18.1
82.5°	12.9
85°	7.6
87.5°	2.6
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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(END OF REPORT)