

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: P786714

Luminaire Tested: LERS6D15D010-EC6DR350215IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D15D010-EC6DR350215IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2444.4 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

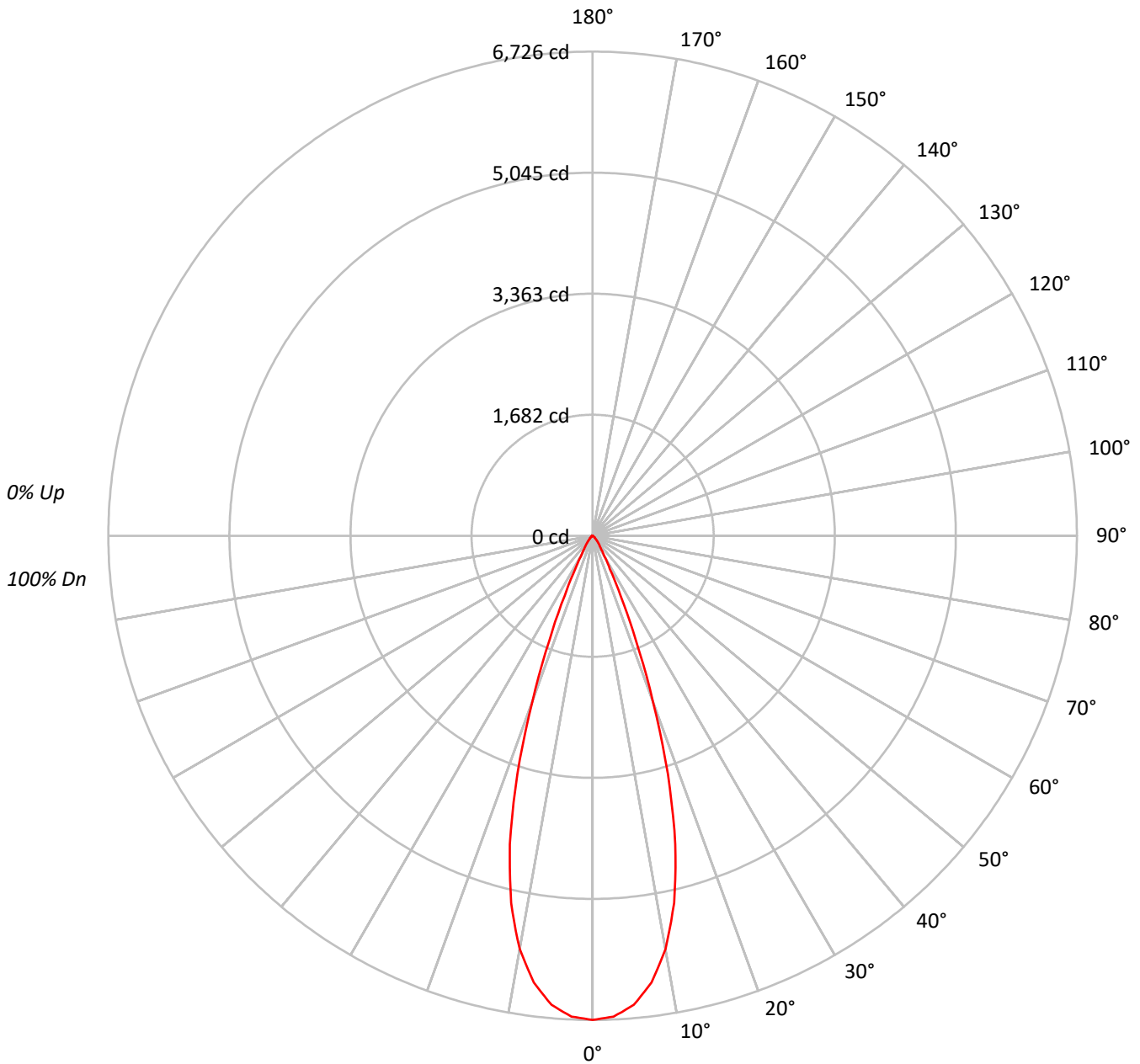


Downlight

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CATALOG NUMBER: LERS6D15D010-EC6DR350215IC9050-6LBS1B

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20																	
RC	80									70									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	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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																																				
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92																																				
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88																																				
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																																				
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81																																				
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																																				
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75																																				
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																																				
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																																				
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	734866
5°	717591
10°	646739
15°	501971
20°	284717
25°	110767
30°	41319
35°	22648
40°	14805
45°	9008
50°	5728
55°	4057
60°	2972
65°	1603
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9008 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.7	24.6
10°-20°	1174.9	48.1
20°-30°	479.2	19.6
30°-40°	114.7	4.7
40°-50°	47.8	2.0
50°-60°	19.8	0.8
60°-70°	6.2	0.3
70°-80°	0.2	0.0
80°-90°	0.1	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°	2255.7	92.3
0°-40°	2370.4	97.0
0°-60°	2438.0	99.7
0°-90°	2444.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2444.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6726	
5°	6543	602
15°	4438	1175
25°	919	479
35°	170	115
45°	58	48
55°	21	20
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6725.8
2.5°	6685.4
5°	6542.7
7.5°	6258.1
10°	5829.3
12.5°	5225.6
15°	4437.7
17.5°	3474.2
20°	2448.7
22.5°	1561.4
25°	918.8
27.5°	519.4
30°	327.5
32.5°	230.0
35°	169.8
37.5°	131.3
40°	103.8
42.5°	80.0
45°	58.3
47.5°	43.6
50°	33.7
52.5°	26.8
55°	21.3
57.5°	17.2
60°	13.6
62.5°	9.9
65°	6.2
67.5°	2.2
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.4
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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(END OF REPORT)