

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: P789303

Luminaire Tested: LER6D10D010-EC6DR650210IC9035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR650210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1249.9 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

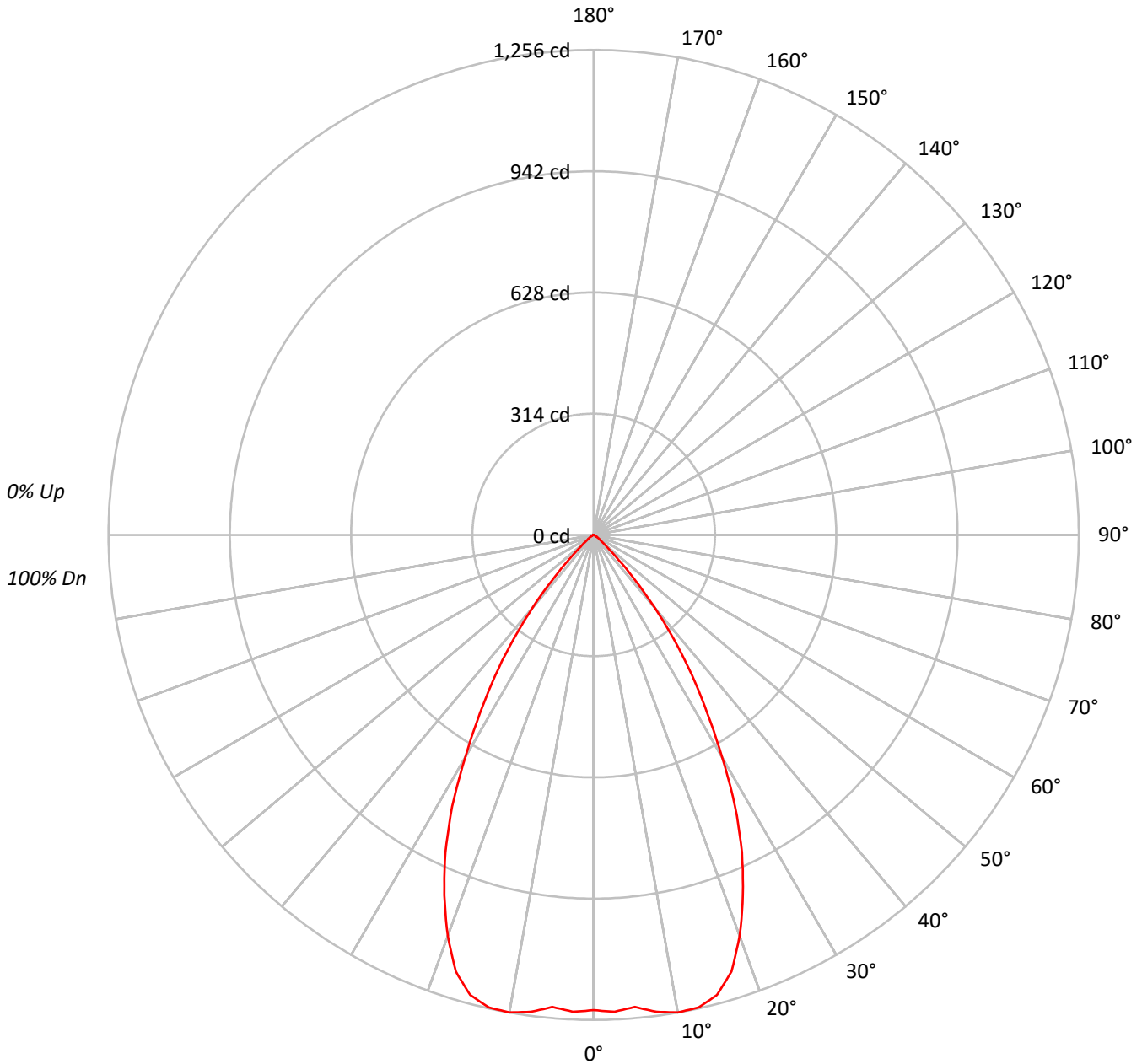
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134467
5°	134575
10°	139315
15°	139539
20°	128470
25°	109465
30°	83798
35°	59209
40°	34944
45°	14185
50°	5150
55°	2857
60°	1639
65°	905
70°	958
75°	718
80°	755
85°	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	9.5
10°-20°	341.8	27.3
20°-30°	410.1	32.8
30°-40°	275.6	22.1
40°-50°	82.5	6.6
50°-60°	14.5	1.2
60°-70°	4.1	0.3
70°-80°	2.0	0.2
80°-90°	0.6	0.1
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°	870.4	69.6
0°-40°	1146.1	91.7
0°-60°	1243.1	99.5
0°-90°	1249.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1249.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1231	
5°	1227	119
15°	1234	342
25°	908	410
35°	444	276
45°	92	83
55°	15	15
65°	4	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1230.7
2.5°	1235.9
5°	1227.0
7.5°	1245.5
10°	1255.7
12.5°	1253.2
15°	1233.6
17.5°	1185.7
20°	1104.9
22.5°	1009.8
25°	908.0
27.5°	793.1
30°	664.2
32.5°	547.4
35°	443.9
37.5°	341.5
40°	245.0
42.5°	160.0
45°	91.8
47.5°	48.6
50°	30.3
52.5°	21.0
55°	15.0
57.5°	10.8
60°	7.5
62.5°	4.9
65°	3.5
67.5°	3.1
70°	3.0
72.5°	2.3
75°	1.7
77.5°	1.6
80°	1.2
82.5°	0.9
85°	0.5
87.5°	0.3
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)