

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: P788231

Luminaire Tested: LER6D08D010-EC6DR200210IC9027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788231
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: LER6D08D010-EC6DR200210IC9027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 683.9 lumens
Efficiency: N/A
Efficacy: 76.8 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): 8.9
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

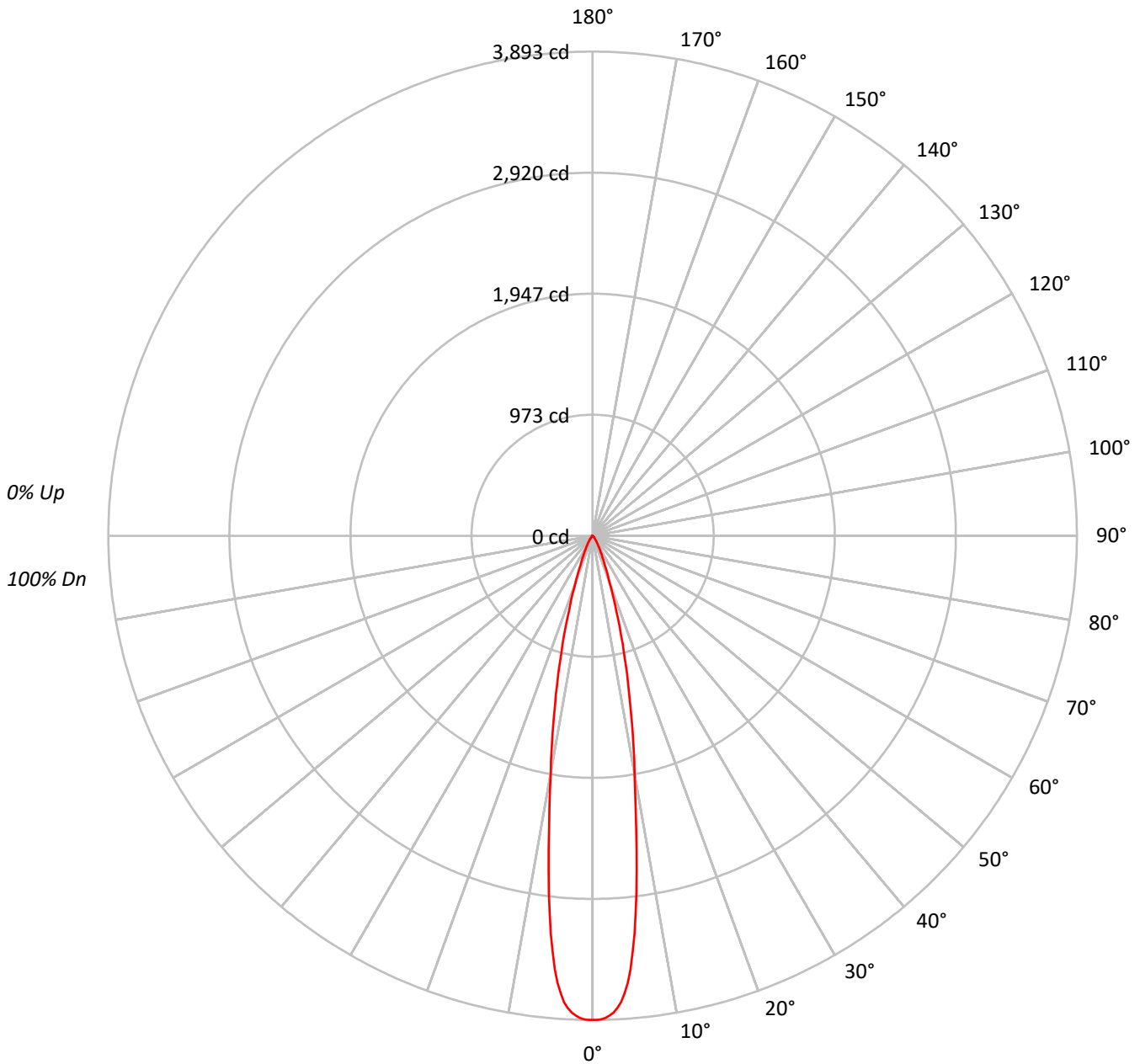


Downlight

TEST NUMBER: P788231

CATALOG NUMBER: LER6D08D010-EC6DR200210IC9027-6LBDP1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	425330
5°	383720
10°	215369
15°	109473
20°	46346
25°	21399
30°	11329
35°	6109
40°	3266
45°	1931
50°	1122
55°	591
60°	371
65°	259
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.2	40.5
10°-20°	272.9	39.9
20°-30°	89.2	13.0
30°-40°	30.4	4.4
40°-50°	10.2	1.5
50°-60°	3.1	0.4
60°-70°	1.0	0.1
70°-80°	0.0	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°	639.2	93.5
0°-40°	669.6	97.9
0°-60°	682.9	99.8
0°-90°	683.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3893	
5°	3499	277
15°	968	273
25°	178	89
35°	46	30
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3892.8
0.5°	3892.8
1°	3887.9
1.5°	3878.2
2°	3860.5
2.5°	3837.0
3°	3803.7
3.5°	3757.2
4°	3688.2
4.5°	3604.4
5°	3498.6
5.5°	3359.6
6°	3217.2
6.5°	3053.9
7°	2894.1
7.5°	2706.9
8°	2539.8
8.5°	2371.7
9°	2216.4
9.5°	2073.9
10°	1941.2
12.5°	1393.8
15°	967.8
17.5°	632.3
20°	398.6
22.5°	258.2
25°	177.5
27.5°	124.8
30°	89.8
32.5°	64.5
35°	45.8
37.5°	31.9
40°	22.9
42.5°	16.6
45°	12.5
47.5°	9.7
50°	6.6
52.5°	4.2
55°	3.1
57.5°	2.4
60°	1.7
62.5°	1.4
65°	1.0



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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°		0.7
70°		0.3

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Scaled Data Report



(END OF REPORT)