

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: P790567

Luminaire Tested: LER6D20D010-EC6DR7020359027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR7020359027-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1903.8 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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

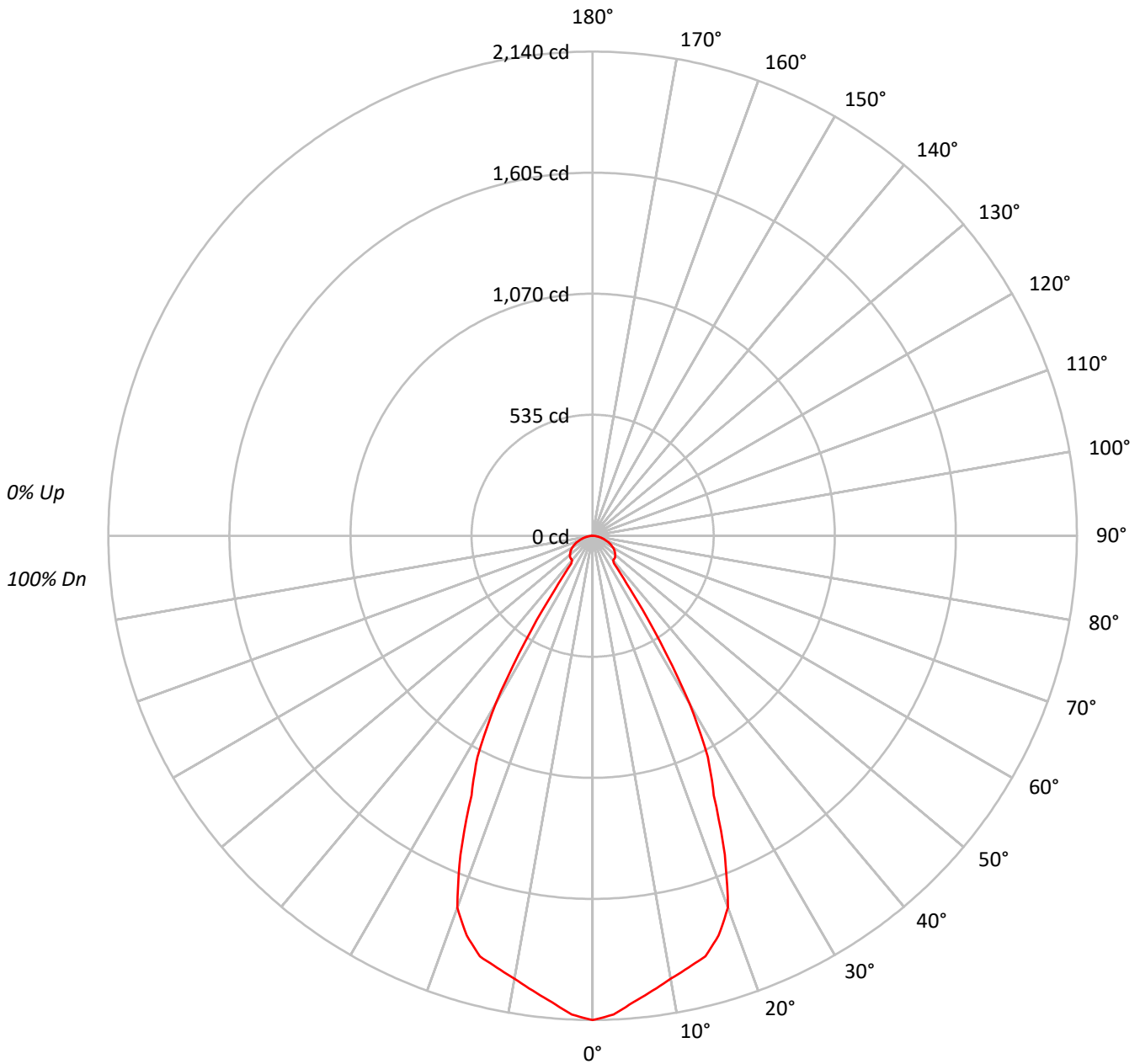


Downlight

TEST NUMBER: P790567

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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	233862
5°	226913
10°	220583
15°	217690
20°	203280
25°	152708
30°	107958
35°	38241
40°	20111
45°	21416
50°	22182
55°	22592
60°	22726
65°	22260
70°	20988
75°	19461
80°	17240
85°	14041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 22735 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	10.3
10°-20°	535.3	28.1
20°-30°	589.5	31.0
30°-40°	225.2	11.8
40°-50°	106.4	5.6
50°-60°	105.7	5.6
60°-70°	84.6	4.4
70°-80°	48.7	2.6
80°-90°	13.2	0.7
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°	1319.9	69.3
0°-40°	1545.1	81.2
0°-60°	1757.2	92.3
0°-90°	1903.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1903.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2140	
5°	2069	195
15°	1924	535
25°	1267	590
35°	287	225
45°	139	106
55°	119	106
65°	86	85
75°	46	49
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2140.4
2.5°	2118.0
5°	2068.9
7.5°	2027.9
10°	1988.2
12.5°	1954.7
15°	1924.5
17.5°	1851.6
20°	1748.3
22.5°	1525.3
25°	1266.7
27.5°	1102.7
30°	855.7
32.5°	552.7
35°	286.7
37.5°	154.9
40°	141.0
42.5°	140.0
45°	138.6
47.5°	135.6
50°	130.5
52.5°	124.7
55°	118.6
57.5°	111.8
60°	104.0
62.5°	95.2
65°	86.1
67.5°	75.9
70°	65.7
72.5°	55.6
75°	46.1
77.5°	36.3
80°	27.4
82.5°	19.3
85°	11.2
87.5°	4.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)