

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: P790281

Luminaire Tested: LER6D20D010-EC6DR4020359027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR4020359027-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3553.1 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

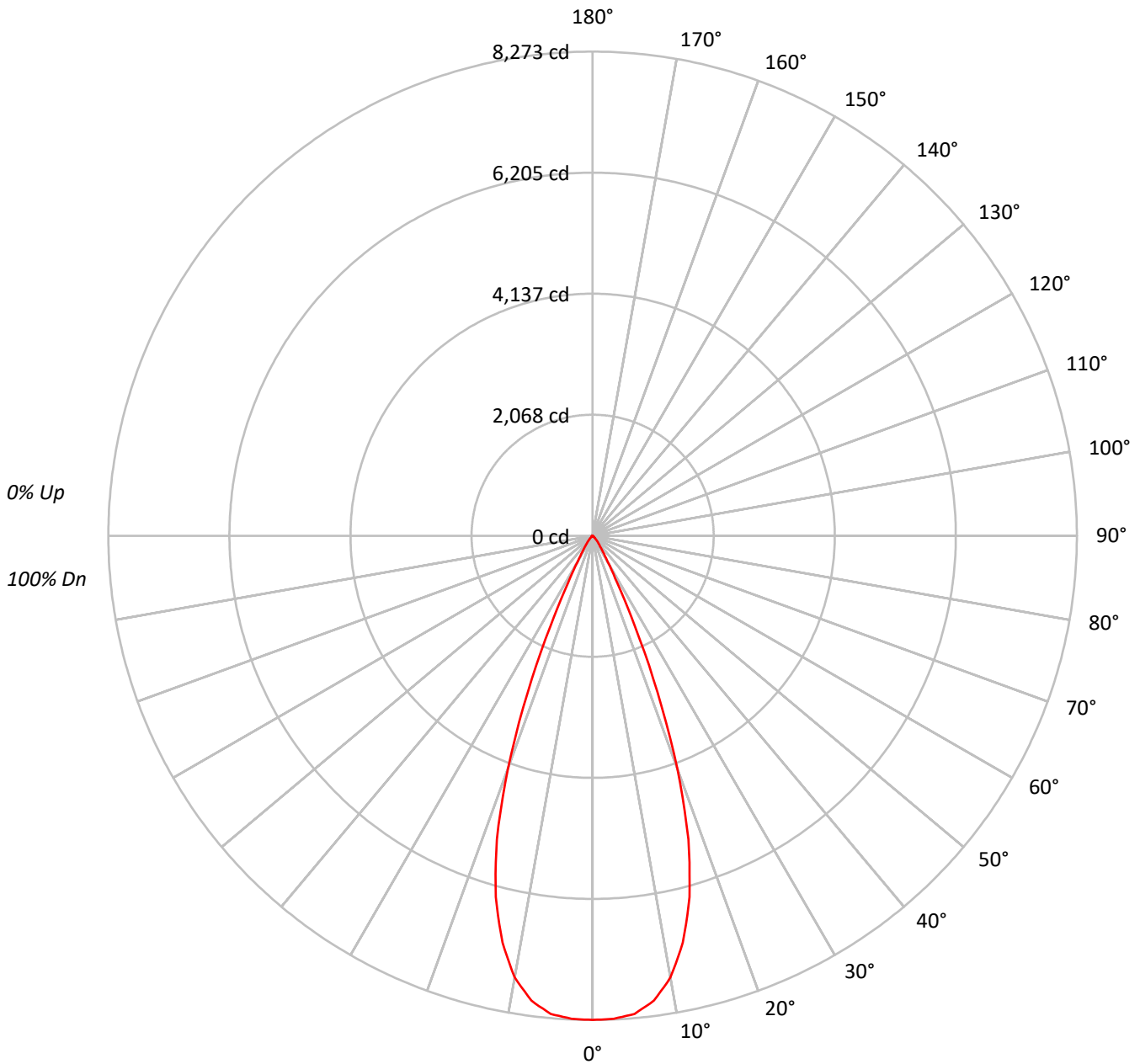
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96	
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92	
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88	
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84	
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81	
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77	
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74	
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72	
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69	
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	903881
5°	899492
10°	850215
15°	722794
20°	492637
25°	205548
30°	64634
35°	30038
40°	16616
45°	7618
50°	3689
55°	2019
60°	1049
65°	362
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.8	21.6
10°-20°	1715.6	48.3
20°-30°	858.8	24.2
30°-40°	157.4	4.4
40°-50°	43.4	1.2
50°-60°	10.2	0.3
60°-70°	1.9	0.1
70°-80°	0.1	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°	3340.1	94.0
0°-40°	3497.5	98.4
0°-60°	3551.1	99.9
0°-90°	3553.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3553.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8273	
5°	8201	766
15°	6390	1716
25°	1705	859
35°	225	157
45°	49	43
55°	11	10
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8272.7
2.5°	8260.6
5°	8201.2
7.5°	8011.7
10°	7663.3
12.5°	7120.1
15°	6389.9
17.5°	5440.2
20°	4236.9
22.5°	2888.5
25°	1705.0
27.5°	901.3
30°	512.3
32.5°	331.0
35°	225.2
37.5°	160.9
40°	116.5
42.5°	79.7
45°	49.3
47.5°	31.4
50°	21.7
52.5°	15.5
55°	10.6
57.5°	6.8
60°	4.8
62.5°	2.9
65°	1.4
67.5°	1.0
70°	0.5
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

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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)