

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: P789036

Luminaire Tested: LER6D10D010-EC6DR350210IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789036
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: LER6D10D010-EC6DR350210IC9050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1955.3 lumens
Efficiency: N/A
Efficacy: 167.1 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

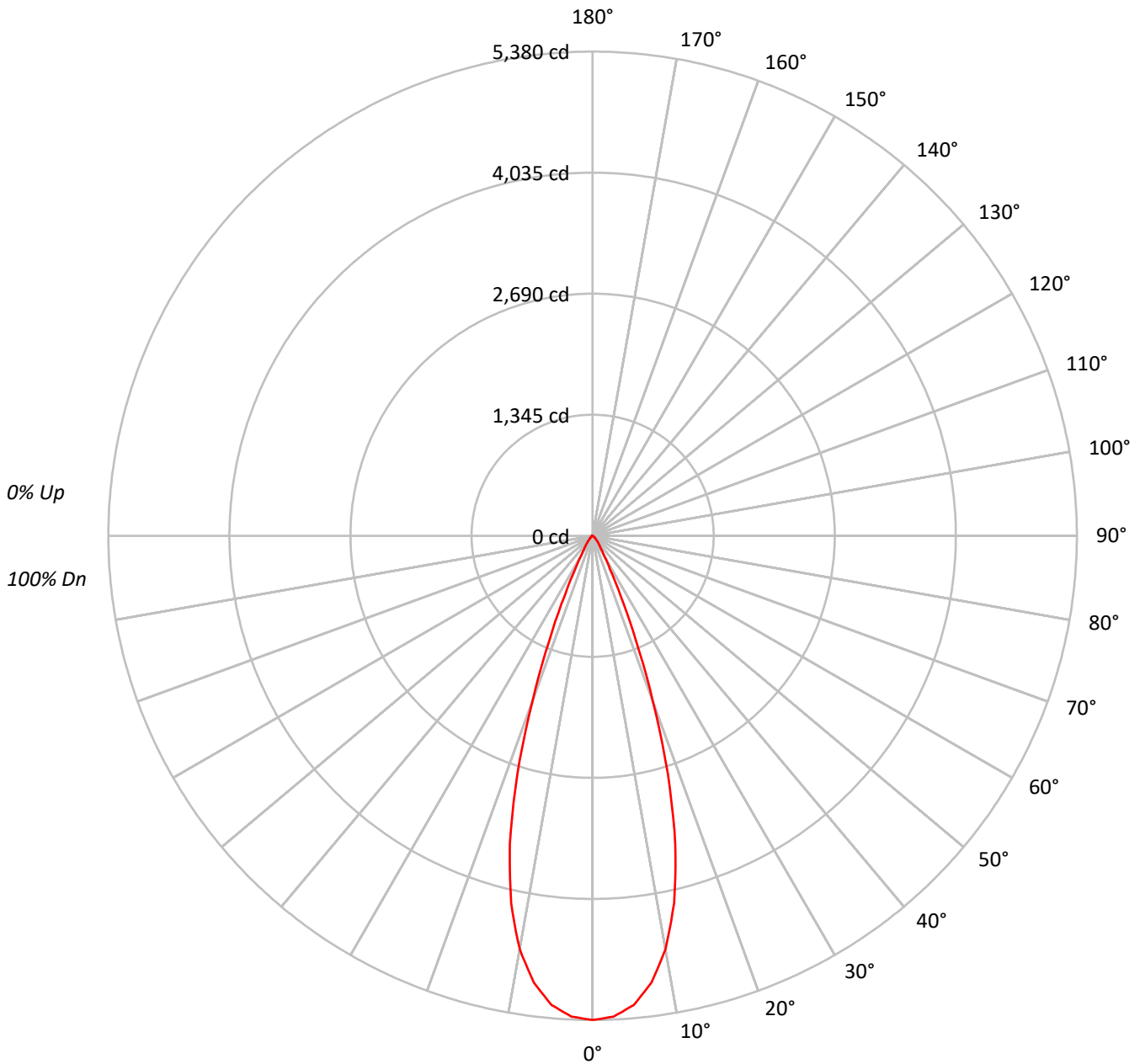
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100													
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	96	96	96	96	96													
	2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	93	92	92	92	92	92													
	3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	89	88	88	88	88	88													
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	86	84	84	84	84	84													
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	82	81	81	81	81	81													
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	79	78	78	78	78	78													
	7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	76	75	75	75	75	75													
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	73	72	72	72	72	72													
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	71	70	70	70	70	70													
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	69	68	68	68	68	68													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	587823
5°	574011
10°	517331
15°	401536
20°	227744
25°	88609
30°	33055
35°	18113
40°	11838
45°	7201
50°	4589
55°	3238
60°	2382
65°	1293
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.3	24.6
10°-20°	939.8	48.1
20°-30°	383.3	19.6
30°-40°	91.7	4.7
40°-50°	38.2	2.0
50°-60°	15.8	0.8
60°-70°	5.0	0.3
70°-80°	0.1	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°	1804.4	92.3
0°-40°	1896.1	97.0
0°-60°	1950.1	99.7
0°-90°	1955.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5380	
5°	5234	481
15°	3550	940
25°	735	383
35°	136	92
45°	47	38
55°	17	16
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5380.0
2.5°	5347.7
5°	5233.6
7.5°	5005.9
10°	4662.9
12.5°	4180.0
15°	3549.8
17.5°	2779.0
20°	1958.7
22.5°	1249.0
25°	735.0
27.5°	415.4
30°	262.0
32.5°	184.0
35°	135.8
37.5°	105.0
40°	83.0
42.5°	64.0
45°	46.6
47.5°	34.9
50°	27.0
52.5°	21.4
55°	17.0
57.5°	13.8
60°	10.9
62.5°	7.9
65°	5.0
67.5°	1.8
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.3
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)