

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: P789353

Luminaire Tested: LER6D10D010-EC6DR700210IC9035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789353
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: LER6D10D010-EC6DR700210IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2029.7 lumens
Efficiency: N/A
Efficacy: 173.5 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

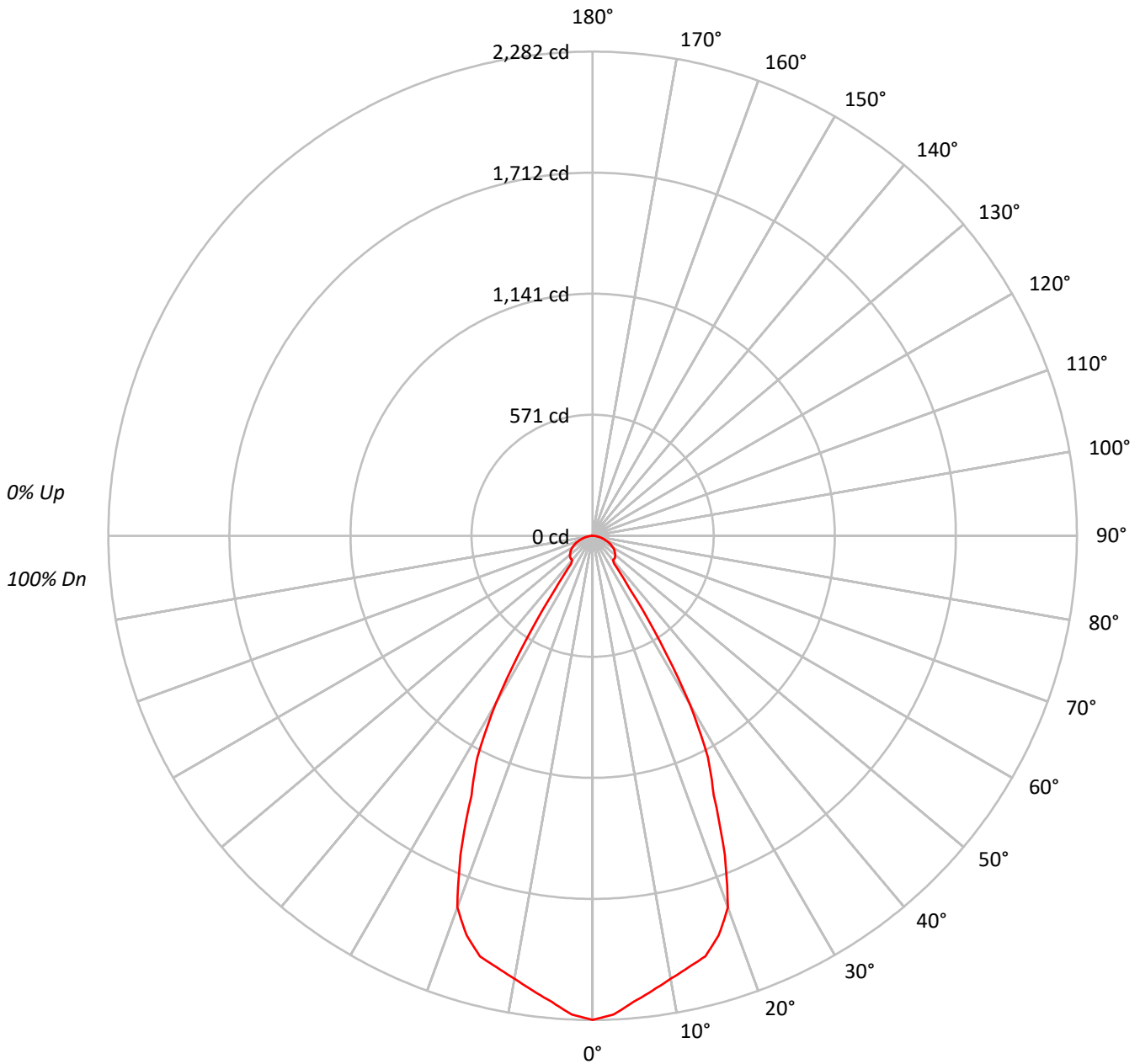
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	249322
5°	241917
10°	235173
15°	232089
20°	216721
25°	162811
30°	115099
35°	40775
40°	21437
45°	22838
50°	23644
55°	24097
60°	24234
65°	23733
70°	22394
75°	20728
80°	18436
85°	14918

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 24240 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.0	10.2
10°-20°	570.7	28.1
20°-30°	628.5	31.0
30°-40°	240.1	11.8
40°-50°	113.4	5.6
50°-60°	112.7	5.6
60°-70°	90.2	4.4
70°-80°	51.9	2.6
80°-90°	14.1	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°	1407.2	69.3
0°-40°	1647.4	81.2
0°-60°	1873.5	92.3
0°-90°	2029.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2029.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2282	
5°	2206	208
15°	2052	571
25°	1350	629
35°	306	240
45°	148	113
55°	126	113
65°	92	90
75°	49	52
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2281.9
2.5°	2258.1
5°	2205.7
7.5°	2162.0
10°	2119.7
12.5°	2084.0
15°	2051.8
17.5°	1974.1
20°	1863.9
22.5°	1626.2
25°	1350.5
27.5°	1175.7
30°	912.3
32.5°	589.3
35°	305.7
37.5°	165.1
40°	150.3
42.5°	149.2
45°	147.8
47.5°	144.5
50°	139.1
52.5°	133.0
55°	126.5
57.5°	119.2
60°	110.9
62.5°	101.5
65°	91.8
67.5°	80.9
70°	70.1
72.5°	59.3
75°	49.1
77.5°	38.7
80°	29.3
82.5°	20.6
85°	11.9
87.5°	4.7
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)