

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: P789275

Luminaire Tested: LER6D10D010-EC6DR600210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR600210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1923.7 lumens
Efficiency: N/A
Efficacy: 164.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

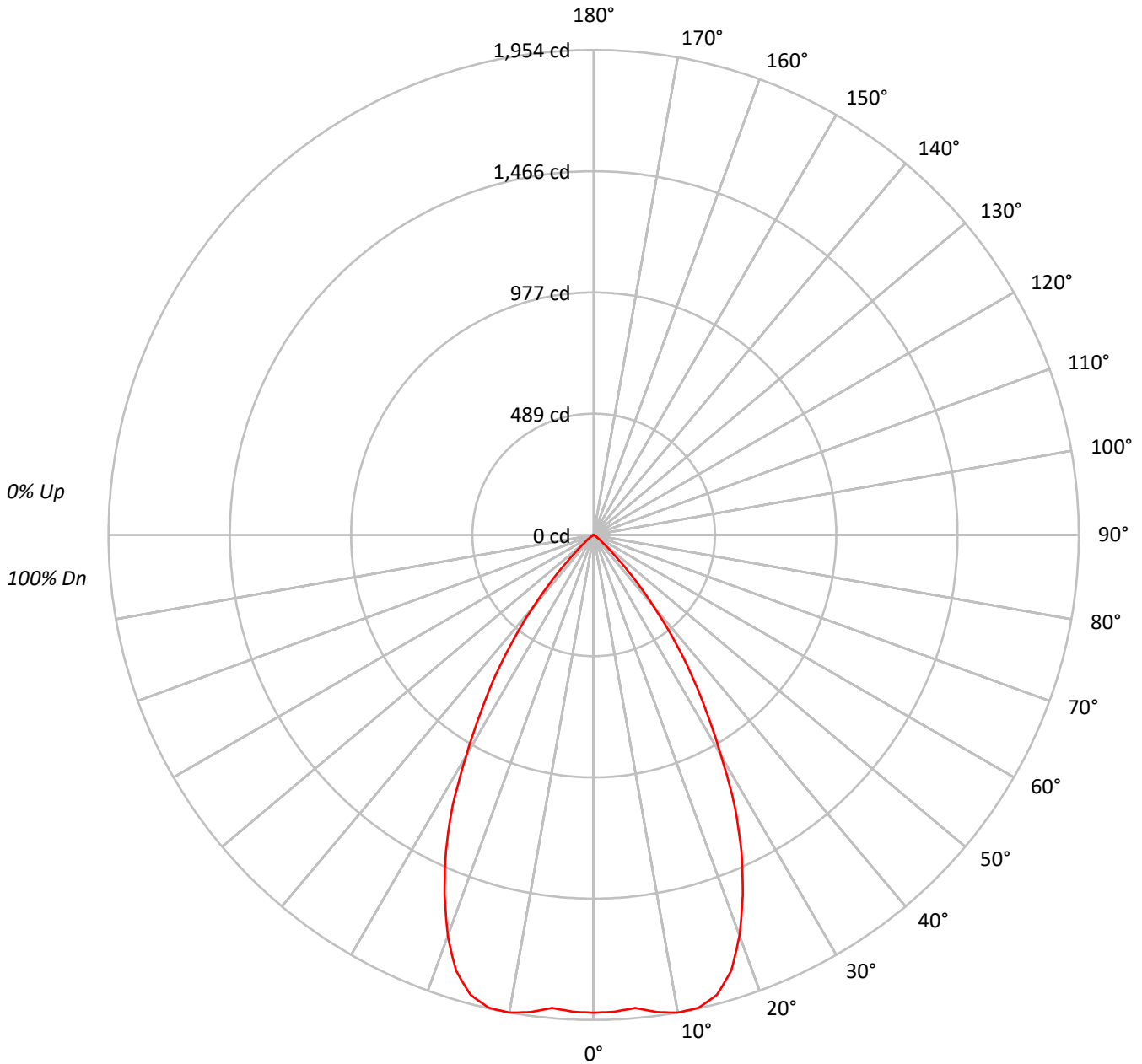
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789275
CATALOG NUMBER: LER6D10D010-EC6DR600210IC9050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P789275

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9050-6LBS1B

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			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	210338
5°	209825
10°	216789
15°	217011
20°	199675
25°	169839
30°	129418
35°	91514
40°	53743
45°	21679
50°	7241
55°	3486
60°	1442
65°	207
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21679 cd/sqm



TEST NUMBER: P789275

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9050-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	9.6
10°-20°	531.5	27.6
20°-30°	636.1	33.1
30°-40°	425.5	22.1
40°-50°	126.2	6.6
50°-60°	18.1	0.9
60°-70°	1.7	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°	1352.2	70.3
0°-40°	1777.7	92.4
0°-60°	1922.0	99.9
0°-90°	1923.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1923.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1925	
5°	1913	185
15°	1918	531
25°	1409	636
35°	686	425
45°	140	126
55°	18	18
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789275

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9050-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1925.1
2.5°	1922.6
5°	1913.1
7.5°	1939.0
10°	1954.0
12.5°	1951.3
15°	1918.5
17.5°	1841.3
20°	1717.3
22.5°	1568.5
25°	1408.8
27.5°	1228.9
30°	1025.8
32.5°	844.5
35°	686.1
37.5°	527.5
40°	376.8
42.5°	248.5
45°	140.3
47.5°	71.8
50°	42.6
52.5°	27.6
55°	18.3
57.5°	11.7
60°	6.6
62.5°	2.7
65°	0.8
67.5°	0.3
70°	0.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)