

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: P789544

Luminaire Tested: LER6D15D010-EC6DR250215IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR250215IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2265.8 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

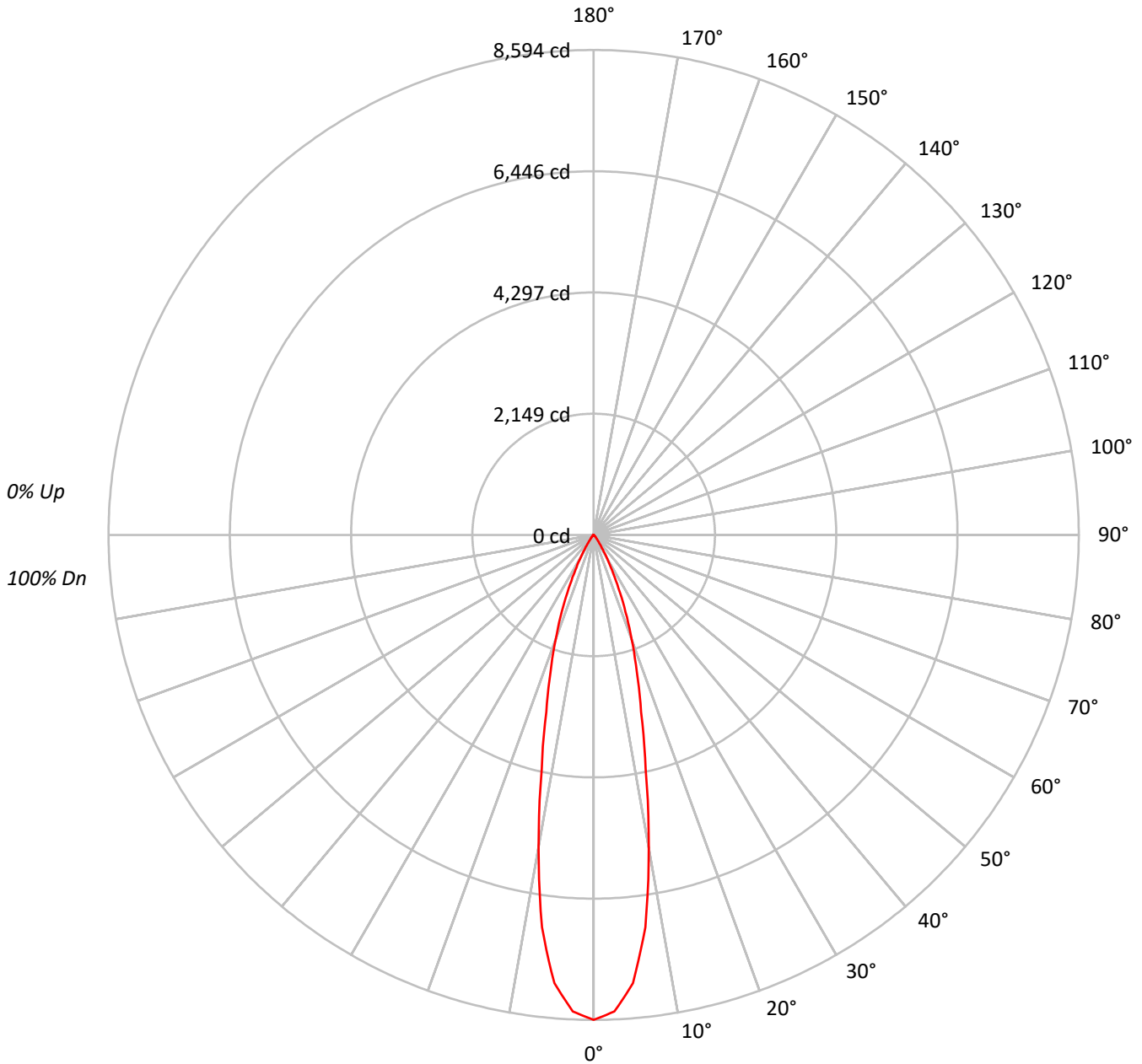
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789544
CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P789544

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBS1B

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89			
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85			
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	938943
5°	874507
10°	623818
15°	367398
20°	228604
25°	125463
30°	57379
35°	21728
40°	9841
45°	5918
50°	2448
55°	1581
60°	1114
65°	750
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5918 cd/sqm



TEST NUMBER: P789544

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.3	30.2
10°-20°	928.1	41.0
20°-30°	491.2	21.7
30°-40°	121.2	5.4
40°-50°	29.6	1.3
50°-60°	7.8	0.3
60°-70°	2.6	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°	2104.5	92.9
0°-40°	2225.8	98.2
0°-60°	2263.1	99.9
0°-90°	2265.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2265.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8594	
5°	7973	685
15°	3248	928
25°	1041	491
35°	163	121
45°	38	30
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789544

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	8593.6
2.5°	8452.4
5°	7973.4
7.5°	7011.2
10°	5622.7
12.5°	4250.4
15°	3248.0
17.5°	2531.4
20°	1966.1
22.5°	1474.5
25°	1040.7
27.5°	697.9
30°	454.8
32.5°	276.7
35°	162.9
37.5°	99.7
40°	69.0
42.5°	52.7
45°	38.3
47.5°	23.1
50°	14.4
52.5°	10.5
55°	8.3
57.5°	6.5
60°	5.1
62.5°	4.0
65°	2.9
67.5°	1.1
70°	0.4
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)