

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: P789732

Luminaire Tested: LER6D15D010-EC6DR450215IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR450215IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2598.1 lumens
Efficiency: N/A
Efficacy: 164.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

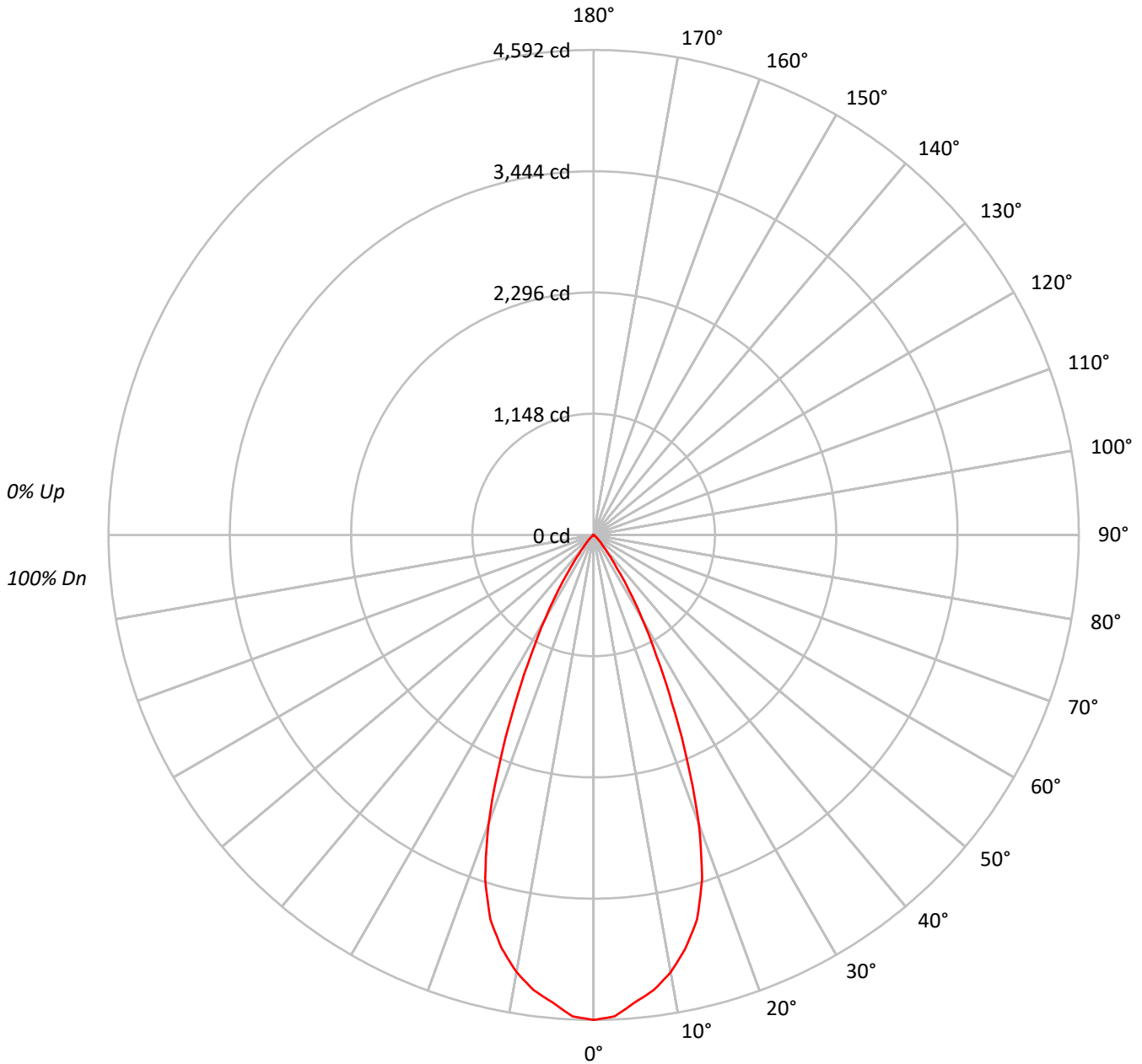
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789732
CATALOG NUMBER: LER6D15D010-EC6DR450215IC9035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P789732

CATALOG NUMBER: LER6D15D010-EC6DR450215IC9035-6LBS1B

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95																			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90																			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85																			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81																			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77																			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73																			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69																			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66																			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63																			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	501747
5°	487464
10°	466363
15°	426828
20°	338621
25°	211407
30°	116525
35°	52326
40°	20610
45°	9704
50°	4606
55°	2400
60°	1180
65°	284
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9704 cd/sqm



TEST NUMBER: P789732

CATALOG NUMBER: LER6D15D010-EC6DR450215IC9035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.6	16.1
10°-20°	1027.8	39.6
20°-30°	813.9	31.3
30°-40°	271.0	10.4
40°-50°	53.8	2.1
50°-60°	12.2	0.5
60°-70°	1.8	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°	2259.2	87.0
0°-40°	2530.3	97.4
0°-60°	2596.3	99.9
0°-90°	2598.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2598.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4592	
5°	4444	418
15°	3773	1028
25°	1754	814
35°	392	271
45°	63	54
55°	13	12
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789732
CATALOG NUMBER: LER6D15D010-EC6DR450215IC9035-6LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4592.2
2.5°	4562.2
5°	4444.5
7.5°	4347.3
10°	4203.5
12.5°	4012.1
15°	3773.4
17.5°	3414.3
20°	2912.3
22.5°	2314.2
25°	1753.6
27.5°	1284.0
30°	923.6
32.5°	628.1
35°	392.3
37.5°	232.6
40°	144.5
42.5°	95.0
45°	62.8
47.5°	40.5
50°	27.1
52.5°	18.1
55°	12.6
57.5°	8.3
60°	5.4
62.5°	2.9
65°	1.1
67.5°	0.4
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)