

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: P789543

Luminaire Tested: LER6D15D010-EC6DR250215IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789543
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-EC6DR250215IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.1 lumens
Efficiency: N/A
Efficacy: 128.9 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

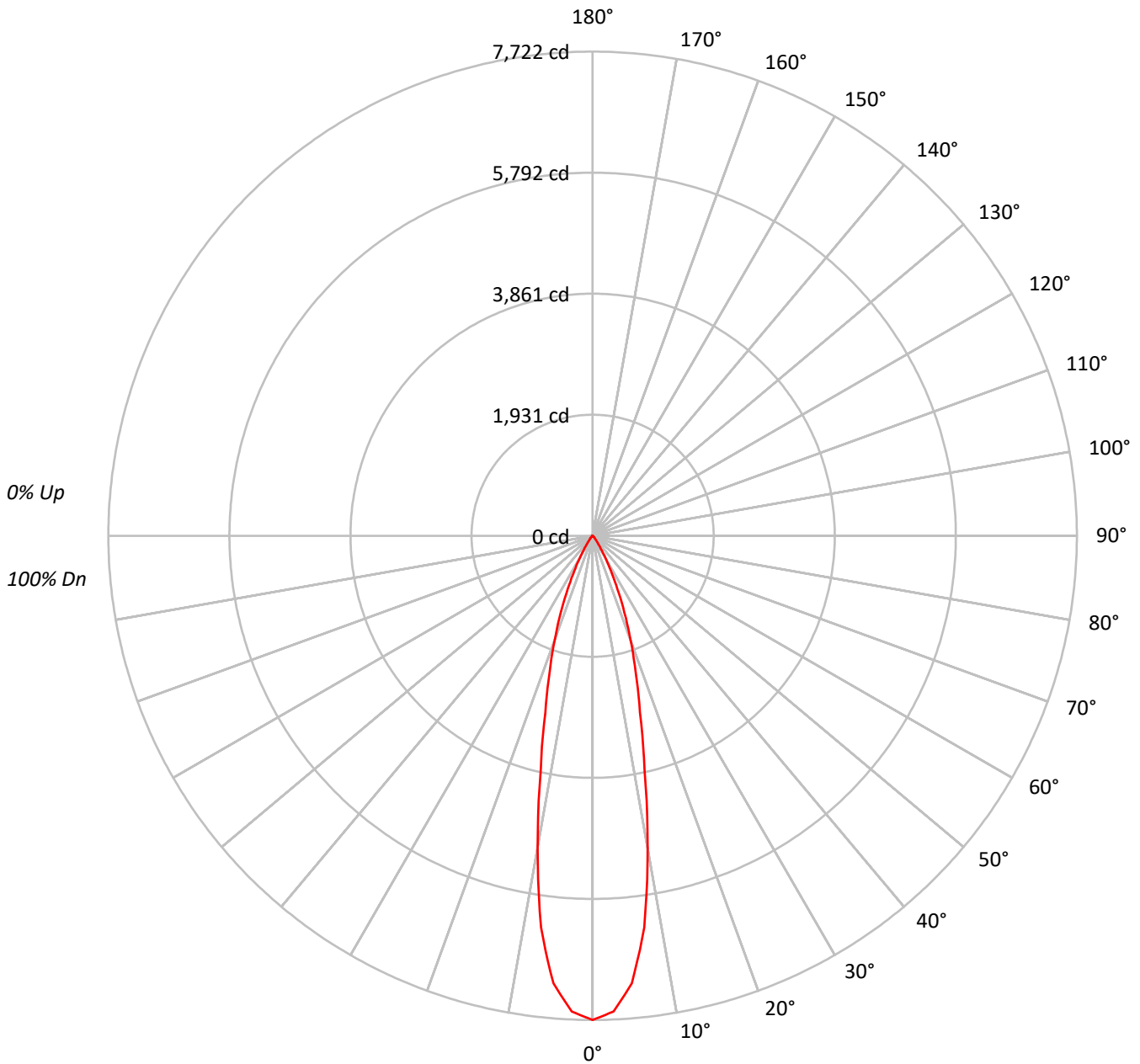


Downlight

TEST NUMBER: P789543

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P789543

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	100	100	100	100	100	100	100	100	100	100																
	1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96	96	96	96	96	96	96	96																
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92	92	92	92	92	92	92	92																
	3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89	89	89	89	89	89	89	89																
	4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85	85	85	85	85	85	85	85																
	5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	82	82	82	82	82	82	82	82																
	6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79	79	79	79	79	79	79	79																
	7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77	77	77	77	77	77	77	77																
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	74	74	74	74	74	74	74																
	9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72	72	72	72	72	72	72	72																
	10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69	69	69	69	69	69	69	69																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	843755
5°	785844
10°	560567
15°	330149
20°	205431
25°	112732
30°	51563
35°	19527
40°	8843
45°	5315
50°	2210
55°	1429
60°	983
65°	672
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5315 cd/sqm



TEST NUMBER: P789543

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.8	30.2
10°-20°	834.0	41.0
20°-30°	441.4	21.7
30°-40°	109.0	5.4
40°-50°	26.6	1.3
50°-60°	7.0	0.3
60°-70°	2.4	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°	1891.2	92.9
0°-40°	2000.1	98.2
0°-60°	2033.7	99.9
0°-90°	2036.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7722	
5°	7165	616
15°	2919	834
25°	935	441
35°	146	109
45°	34	27
55°	8	7
65°	3	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789543

CATALOG NUMBER: LER6D15D010-EC6DR250215IC9035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7722.4
2.5°	7595.4
5°	7165.0
7.5°	6300.3
10°	5052.6
12.5°	3819.5
15°	2918.7
17.5°	2274.7
20°	1766.8
22.5°	1325.0
25°	935.1
27.5°	627.1
30°	408.7
32.5°	248.6
35°	146.4
37.5°	89.6
40°	62.0
42.5°	47.4
45°	34.4
47.5°	20.8
50°	13.0
52.5°	9.4
55°	7.5
57.5°	5.8
60°	4.5
62.5°	3.6
65°	2.6
67.5°	1.0
70°	0.3
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)