

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: P794563

Luminaire Tested: LER6D60D010-EC6DR6555659030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D60D010-EC6DR6555659030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6131.6 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

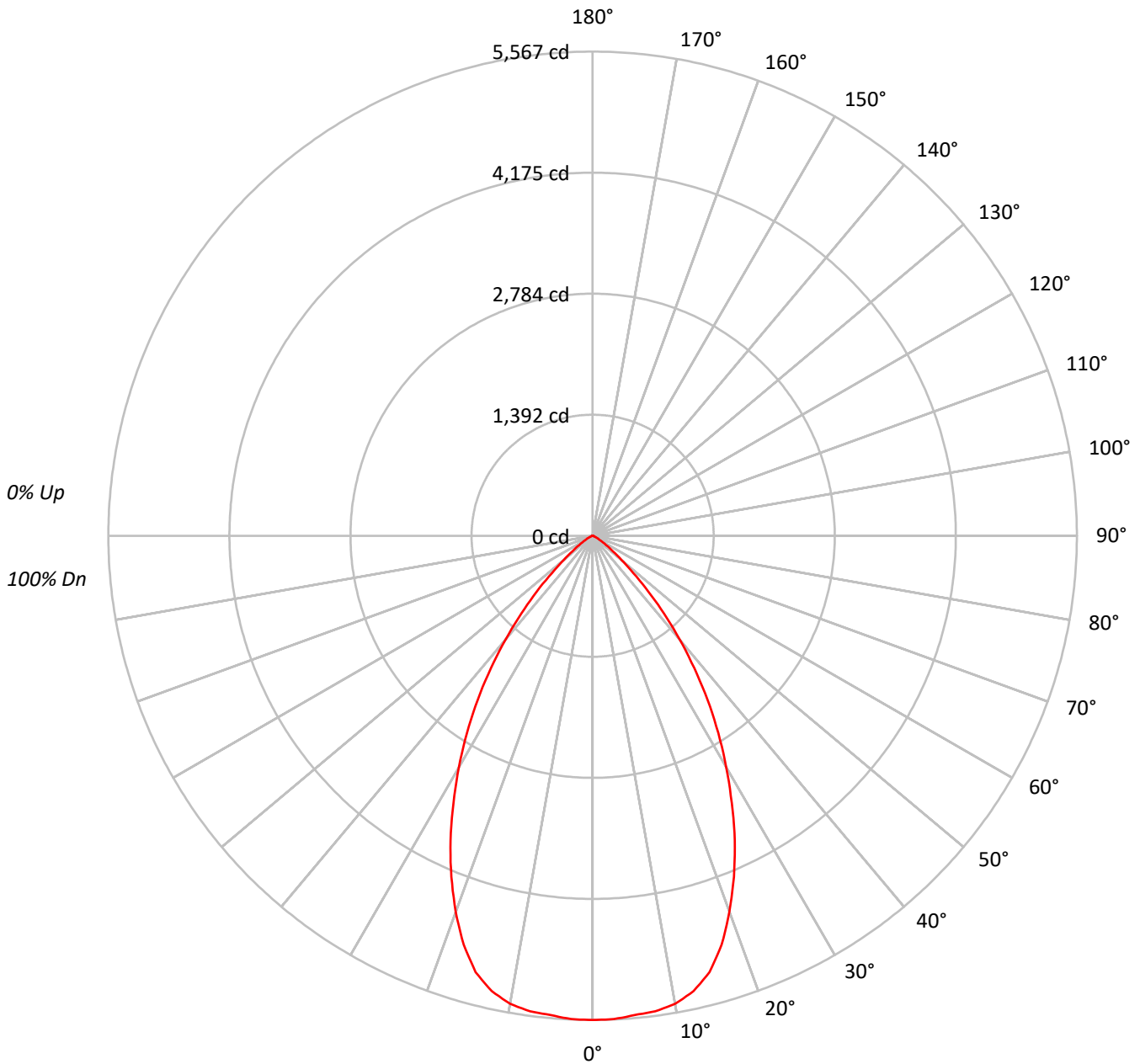
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794563
CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P794563
 CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBS1B

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325152
5°	324330
10°	324054
15°	314069
20°	285918
25°	249157
30°	207233
35°	164199
40°	118509
45°	74873
50°	39024
55°	20742
60°	10898
65°	5998
70°	2510
75°	2776
80°	1917
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74873 cd/sqm



TEST NUMBER: P794563

CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.5	8.6
10°-20°	1441.7	23.5
20°-30°	1762.3	28.7
30°-40°	1429.9	23.3
40°-50°	712.5	11.6
50°-60°	198.7	3.2
60°-70°	45.2	0.7
70°-80°	11.8	0.2
80°-90°	3.0	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°	3730.5	60.8
0°-40°	5160.4	84.2
0°-60°	6071.7	99.0
0°-90°	6131.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6131.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5567	
5°	5532	526
15°	5194	1442
25°	3866	1762
35°	2303	1430
45°	906	713
55°	204	199
65°	43	45
75°	12	12
85°	2	3
90°	0	



TEST NUMBER: P794563

CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	5567.3
2.5°	5563.2
5°	5532.1
7.5°	5514.1
10°	5464.2
12.5°	5362.8
15°	5194.3
17.5°	4930.8
20°	4600.3
22.5°	4243.6
25°	3866.4
27.5°	3463.1
30°	3072.9
32.5°	2687.5
35°	2303.0
37.5°	1919.3
40°	1554.4
42.5°	1212.5
45°	906.5
47.5°	631.6
50°	429.5
52.5°	296.2
55°	203.7
57.5°	137.4
60°	93.3
62.5°	64.6
65°	43.4
67.5°	22.1
70°	14.7
72.5°	13.9
75°	12.3
77.5°	8.2
80°	5.7
82.5°	4.1
85°	2.5
87.5°	1.6
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)