

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: P793779

Luminaire Tested: LER6D55D010-EC6DR3555659024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR3555659024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

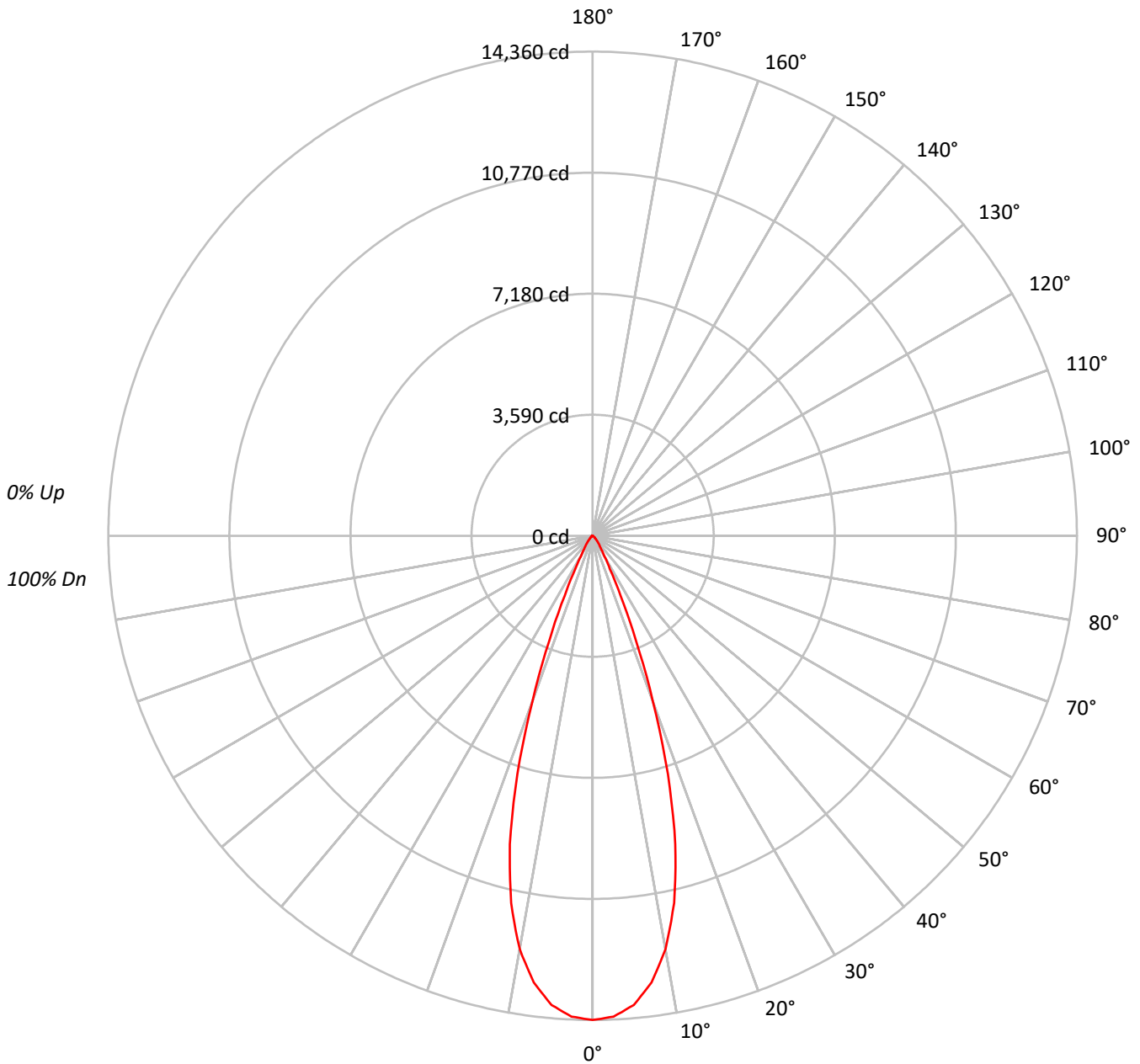
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P793779
CATALOG NUMBER: LER6D55D010-EC6DR3555659024-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P793779

CATALOG NUMBER: LER6D55D010-EC6DR3555659024-6LBS1B

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																			
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92																			
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88																			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																			
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81																			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																			
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75																			
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																			
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																			
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1568963
5°	1532094
10°	1380826
15°	1071743
20°	607875
25°	236495
30°	88226
35°	48365
40°	31607
45°	19237
50°	12239
55°	8648
60°	6337
65°	3438
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19237 cd/sqm



TEST NUMBER: P793779

CATALOG NUMBER: LER6D55D010-EC6DR3555659024-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1284.7	24.6
10°-20°	2508.4	48.1
20°-30°	1023.0	19.6
30°-40°	244.8	4.7
40°-50°	102.0	2.0
50°-60°	42.2	0.8
60°-70°	13.2	0.3
70°-80°	0.3	0.0
80°-90°	0.2	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°	4816.1	92.3
0°-40°	5060.9	97.0
0°-60°	5205.2	99.7
0°-90°	5218.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5218.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14360	
5°	13969	###
15°	9475	2508
25°	1962	1023
35°	363	245
45°	124	102
55°	45	42
65°	13	13
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P793779

CATALOG NUMBER: LER6D55D010-EC6DR3555659024-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	14359.8
2.5°	14273.7
5°	13969.0
7.5°	13361.4
10°	12445.9
12.5°	11156.9
15°	9474.8
17.5°	7417.6
20°	5228.0
22.5°	3333.7
25°	1961.7
27.5°	1108.9
30°	699.3
32.5°	491.0
35°	362.6
37.5°	280.4
40°	221.6
42.5°	170.7
45°	124.5
47.5°	93.2
50°	72.0
52.5°	57.2
55°	45.4
57.5°	36.8
60°	29.0
62.5°	21.1
65°	13.3
67.5°	4.7
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.8
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)