

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: P790526

Luminaire Tested: LER6D20D010-EC6DR6520359027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790526
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: LER6D20D010-EC6DR6520359027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2841.0 lumens
Efficiency: N/A
Efficacy: 123.0 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): 23.1
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

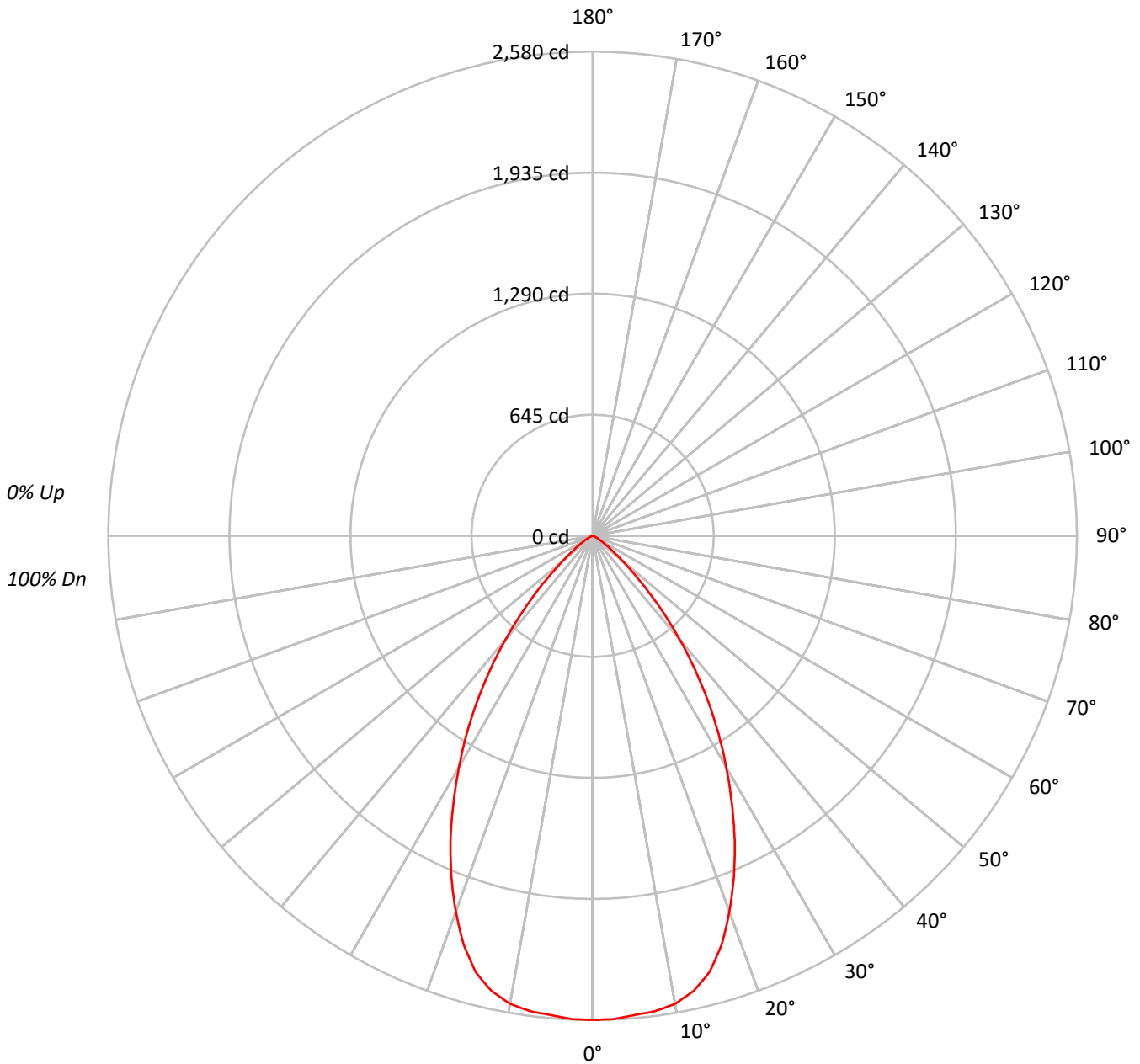


Downlight

TEST NUMBER: P790526

CATALOG NUMBER: LER6D20D010-EC6DR6520359027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P790526

CATALOG NUMBER: LER6D20D010-EC6DR6520359027-6LBS1MW

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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150659
5°	150278
10°	150154
15°	145525
20°	132477
25°	115447
30°	96020
35°	76082
40°	54909
45°	34690
50°	18081
55°	9612
60°	5046
65°	2778
70°	1161
75°	1286
80°	908
85°	737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34690 cd/sqm



TEST NUMBER: P790526

CATALOG NUMBER: LER6D20D010-EC6DR6520359027-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	8.6
10°-20°	668.0	23.5
20°-30°	816.6	28.7
30°-40°	662.5	23.3
40°-50°	330.1	11.6
50°-60°	92.1	3.2
60°-70°	20.9	0.7
70°-80°	5.4	0.2
80°-90°	1.4	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°	1728.5	60.8
0°-40°	2391.1	84.2
0°-60°	2813.3	99.0
0°-90°	2841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2841.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2580	
5°	2563	244
15°	2407	668
25°	1792	817
35°	1067	663
45°	420	330
55°	94	92
65°	20	21
75°	6	5
85°	1	1
90°	0	



TEST NUMBER: P790526

CATALOG NUMBER: LER6D20D010-EC6DR6520359027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2579.6
2.5°	2577.7
5°	2563.3
7.5°	2555.0
10°	2531.9
12.5°	2484.8
15°	2406.8
17.5°	2284.7
20°	2131.5
22.5°	1966.3
25°	1791.5
27.5°	1604.6
30°	1423.8
32.5°	1245.3
35°	1067.1
37.5°	889.3
40°	720.2
42.5°	561.8
45°	420.0
47.5°	292.6
50°	199.0
52.5°	137.2
55°	94.4
57.5°	63.7
60°	43.2
62.5°	29.9
65°	20.1
67.5°	10.2
70°	6.8
72.5°	6.4
75°	5.7
77.5°	3.8
80°	2.7
82.5°	1.9
85°	1.1
87.5°	0.8
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)