

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: P790546

Luminaire Tested: LER6D20D010-EC6DR6520359040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR6520359040-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2745.2 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' 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

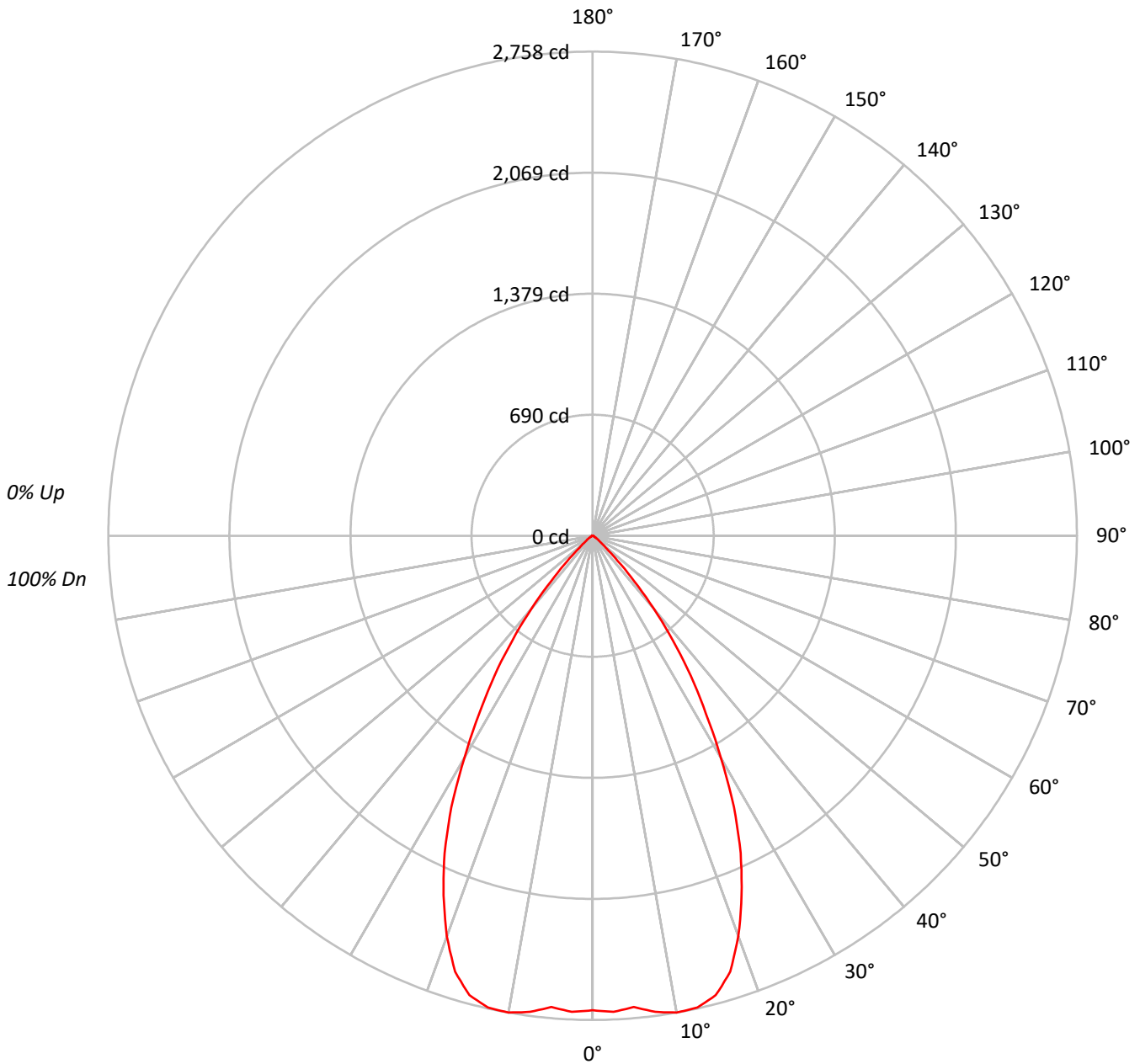


Downlight

TEST NUMBER: P790546

CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P790546
 CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1MW

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87				
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80				
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75				
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69				
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65				
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60				
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57				
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53				
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295321
5°	295561
10°	305968
15°	306474
20°	282159
25°	240413
30°	184047
35°	130022
40°	76749
45°	31151
50°	11287
55°	6286
60°	3606
65°	1991
70°	2076
75°	1604
80°	1699
85°	1504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31151 cd/sqm



TEST NUMBER: P790546

CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	9.5
10°-20°	750.7	27.3
20°-30°	900.7	32.8
30°-40°	605.3	22.0
40°-50°	181.2	6.6
50°-60°	32.0	1.2
60°-70°	9.1	0.3
70°-80°	4.5	0.2
80°-90°	1.4	0.1
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°	1911.7	69.6
0°-40°	2517.1	91.7
0°-60°	2730.2	99.5
0°-90°	2745.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2745.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2703	
5°	2695	260
15°	2709	751
25°	1994	901
35°	975	605
45°	202	181
55°	33	32
65°	8	9
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P790546

CATALOG NUMBER: LER6D20D010-EC6DR6520359040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2702.9
2.5°	2714.4
5°	2694.8
7.5°	2735.5
10°	2757.8
12.5°	2752.4
15°	2709.4
17.5°	2604.1
20°	2426.7
22.5°	2217.7
25°	1994.2
27.5°	1741.9
30°	1458.8
32.5°	1202.2
35°	974.8
37.5°	750.1
40°	538.1
42.5°	351.4
45°	201.6
47.5°	106.8
50°	66.4
52.5°	46.1
55°	33.0
57.5°	23.8
60°	16.5
62.5°	10.8
65°	7.7
67.5°	6.9
70°	6.5
72.5°	5.0
75°	3.8
77.5°	3.5
80°	2.7
82.5°	1.9
85°	1.2
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)