

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: P790572

Luminaire Tested: LER6D20D010-EC6DR7020359027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR7020359027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3444.3 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

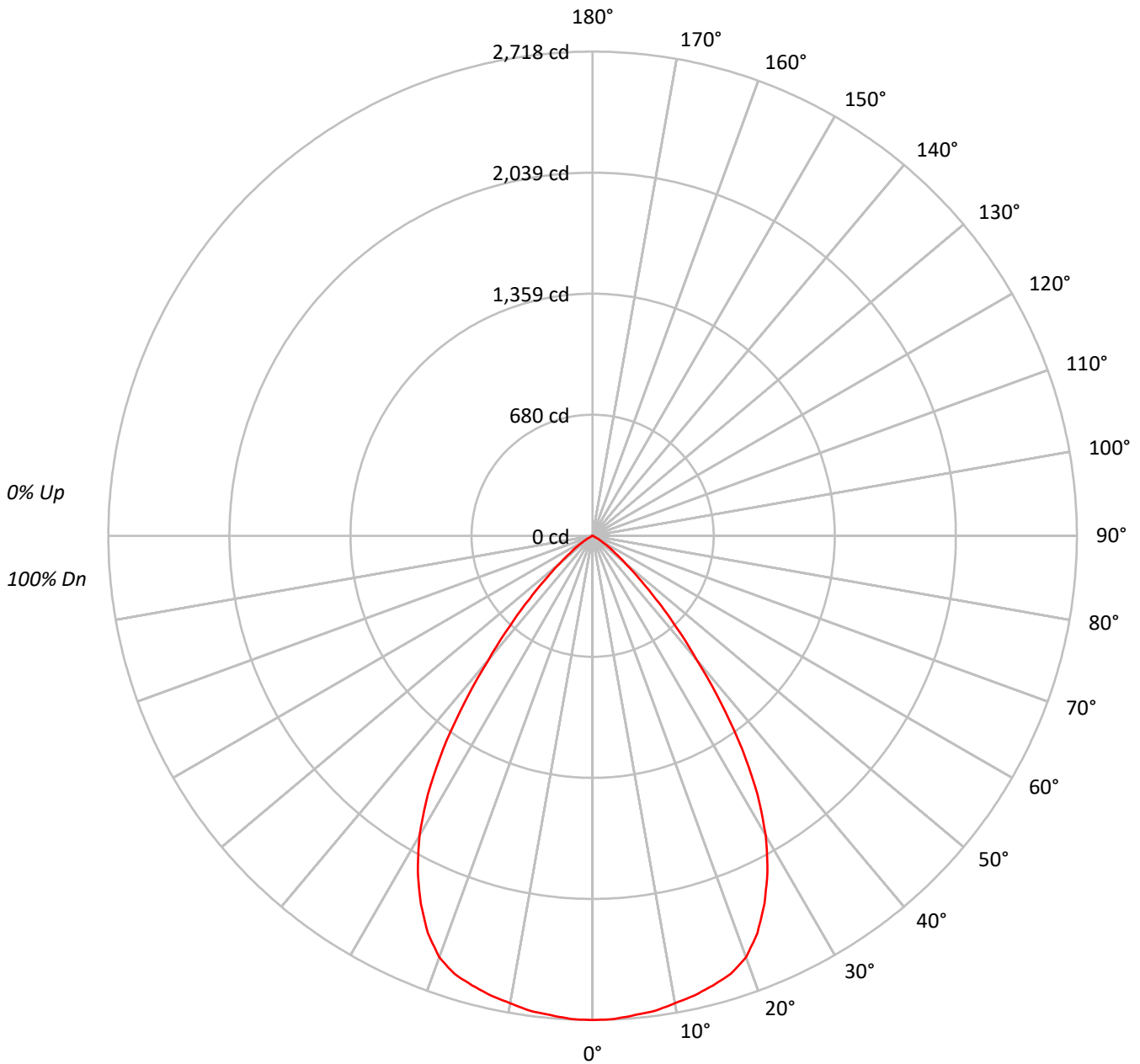
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790572
CATALOG NUMBER: LER6D20D010-EC6DR7020359027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P790572

CATALOG NUMBER: LER6D20D010-EC6DR7020359027-6LBS1H

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			100
1	113	110	107	105	111	108	106	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	85	82	87	84	81	85	82	79	78			78
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			65
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			56
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			48
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297025
5°	296284
10°	295639
15°	295558
20°	292670
25°	274928
30°	245098
35°	195419
40°	129765
45°	77584
50°	40217
55°	21144
60°	7473
65°	129
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 77584 cd/sqm



TEST NUMBER: P790572

CATALOG NUMBER: LER6D20D010-EC6DR7020359027-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	7.5
10°-20°	736.8	21.4
20°-30°	1039.4	30.2
30°-40°	897.3	26.1
40°-50°	401.8	11.7
50°-60°	105.2	3.1
60°-70°	6.9	0.2
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°	2033.1	59.0
0°-40°	2930.4	85.1
0°-60°	3437.4	99.8
0°-90°	3444.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3444.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2718	
5°	2701	257
15°	2613	737
25°	2280	1039
35°	1465	897
45°	502	402
55°	111	105
65°	0	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P790572

CATALOG NUMBER: LER6D20D010-EC6DR7020359027-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2718.5
2.5°	2715.6
5°	2701.4
7.5°	2689.7
10°	2664.7
12.5°	2642.3
15°	2612.9
17.5°	2579.2
20°	2517.1
22.5°	2414.9
25°	2280.5
27.5°	2124.6
30°	1942.7
32.5°	1720.3
35°	1465.1
37.5°	1183.5
40°	909.8
42.5°	691.2
45°	502.1
47.5°	346.1
50°	236.6
52.5°	163.3
55°	111.0
57.5°	67.0
60°	34.2
62.5°	10.8
65°	0.5
67.5°	0.0
70°	0.0
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)