

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: P790162

Luminaire Tested: LER6D20D010-EC6DR2520359040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR2520359040-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2873.1 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

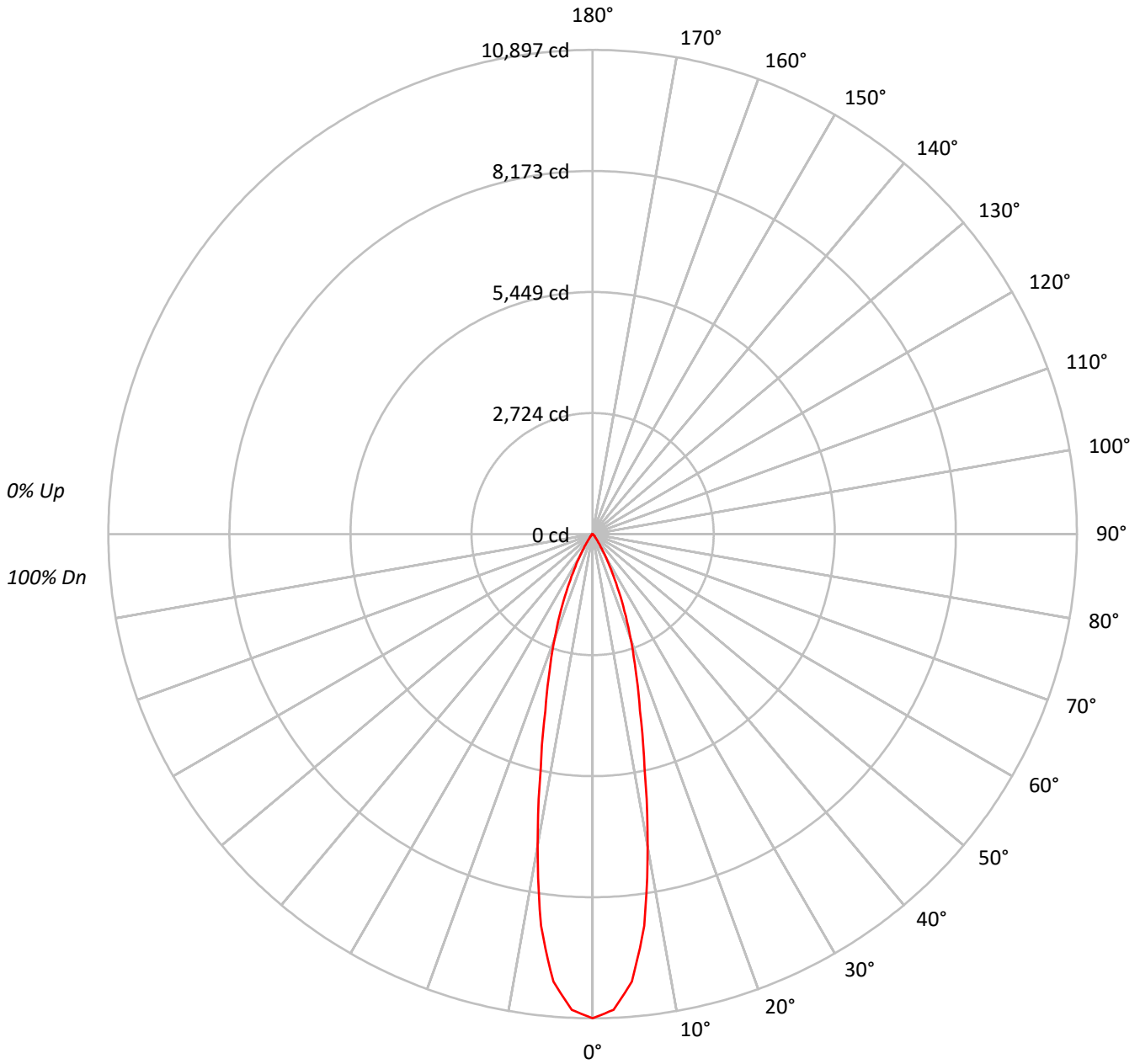
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790162
CATALOG NUMBER: LER6D20D010-EC6DR2520359040-6LB DP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P790162

CATALOG NUMBER: LER6D20D010-EC6DR2520359040-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																												
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																												
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																												
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																												
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																												
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																												
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77																												
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																												
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																												
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1190636
5°	1108922
10°	791025
15°	465887
20°	289880
25°	159086
30°	72758
35°	27557
40°	12480
45°	7510
50°	3111
55°	2000
60°	1399
65°	957
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7510 cd/sqm



TEST NUMBER: P790162

CATALOG NUMBER: LER6D20D010-EC6DR2520359040-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	868.9	30.2
10°-20°	1176.9	41.0
20°-30°	622.8	21.7
30°-40°	153.8	5.4
40°-50°	37.5	1.3
50°-60°	9.9	0.3
60°-70°	3.3	0.1
70°-80°	0.1	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°	2668.6	92.9
0°-40°	2822.4	98.2
0°-60°	2869.8	99.9
0°-90°	2873.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10897	
5°	10111	869
15°	4119	1177
25°	1320	623
35°	207	154
45°	49	38
55°	10	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P790162

CATALOG NUMBER: LER6D20D010-EC6DR2520359040-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	10897.2
2.5°	10718.1
5°	10110.7
7.5°	8890.5
10°	7129.8
12.5°	5389.7
15°	4118.7
17.5°	3209.9
20°	2493.1
22.5°	1869.7
25°	1319.6
27.5°	884.9
30°	576.7
32.5°	350.9
35°	206.6
37.5°	126.4
40°	87.5
42.5°	66.9
45°	48.6
47.5°	29.3
50°	18.3
52.5°	13.3
55°	10.5
57.5°	8.2
60°	6.4
62.5°	5.0
65°	3.7
67.5°	1.4
70°	0.5
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)