

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: P789258

Luminaire Tested: LER6D10D010-EC6DR600210IC9035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR600210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1739.2 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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

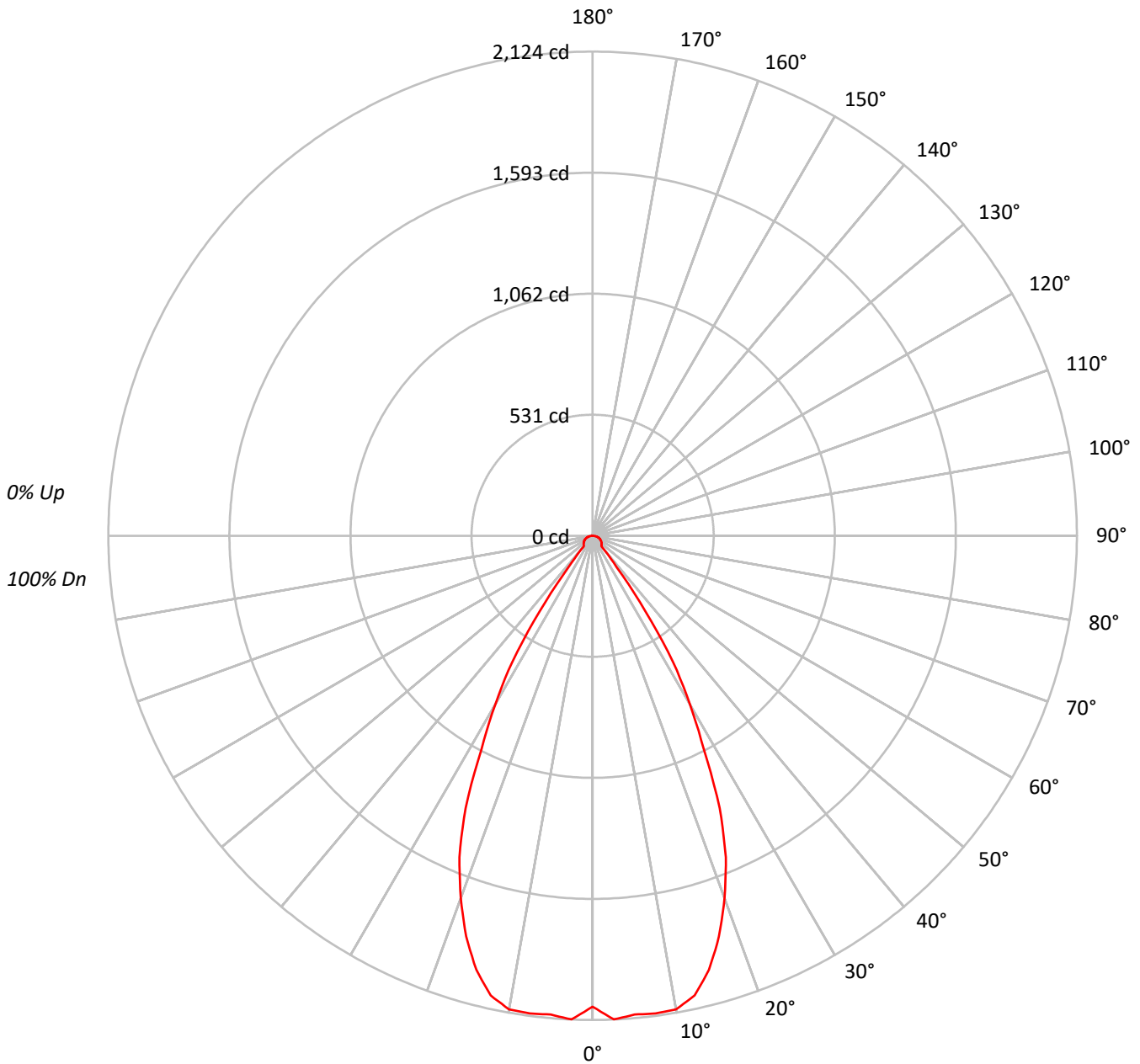


Downlight

TEST NUMBER: P789258

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P789258

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9035-6LBDP1MW

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	225678
5°	231223
10°	234019
15°	222938
20°	196559
25°	158977
30°	107542
35°	53887
40°	8743
45°	8560
50°	8720
55°	8858
60°	9112
65°	9307
70°	9520
75°	9625
80°	9312
85°	7772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 9625 cd/sqm



TEST NUMBER: P789258

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.5	11.6
10°-20°	545.1	31.3
20°-30°	586.5	33.7
30°-40°	255.0	14.7
40°-50°	42.8	2.5
50°-60°	41.6	2.4
60°-70°	35.6	2.0
70°-80°	23.8	1.4
80°-90°	7.2	0.4
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°	1333.2	76.7
0°-40°	1588.1	91.3
0°-60°	1672.6	96.2
0°-90°	1739.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2066	
5°	2108	201
15°	1971	545
25°	1319	587
35°	404	255
45°	55	43
55°	46	42
65°	36	36
75°	23	24
85°	6	7
90°	0	



TEST NUMBER: P789258

CATALOG NUMBER: LER6D10D010-EC6DR600210IC9035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2065.5
2.5°	2123.5
5°	2108.2
7.5°	2113.1
10°	2109.3
12.5°	2065.7
15°	1970.9
17.5°	1843.4
20°	1690.5
22.5°	1526.8
25°	1318.7
27.5°	1054.8
30°	852.4
32.5°	657.0
35°	404.0
37.5°	172.8
40°	61.3
42.5°	56.4
45°	55.4
47.5°	53.5
50°	51.3
52.5°	48.9
55°	46.5
57.5°	44.1
60°	41.7
62.5°	39.0
65°	36.0
67.5°	33.1
70°	29.8
72.5°	26.3
75°	22.8
77.5°	18.8
80°	14.8
82.5°	10.5
85°	6.2
87.5°	2.2
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)