

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: P789090

Luminaire Tested: LER6D10D010-EC6DR450210IC9024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR450210IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1533.9 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

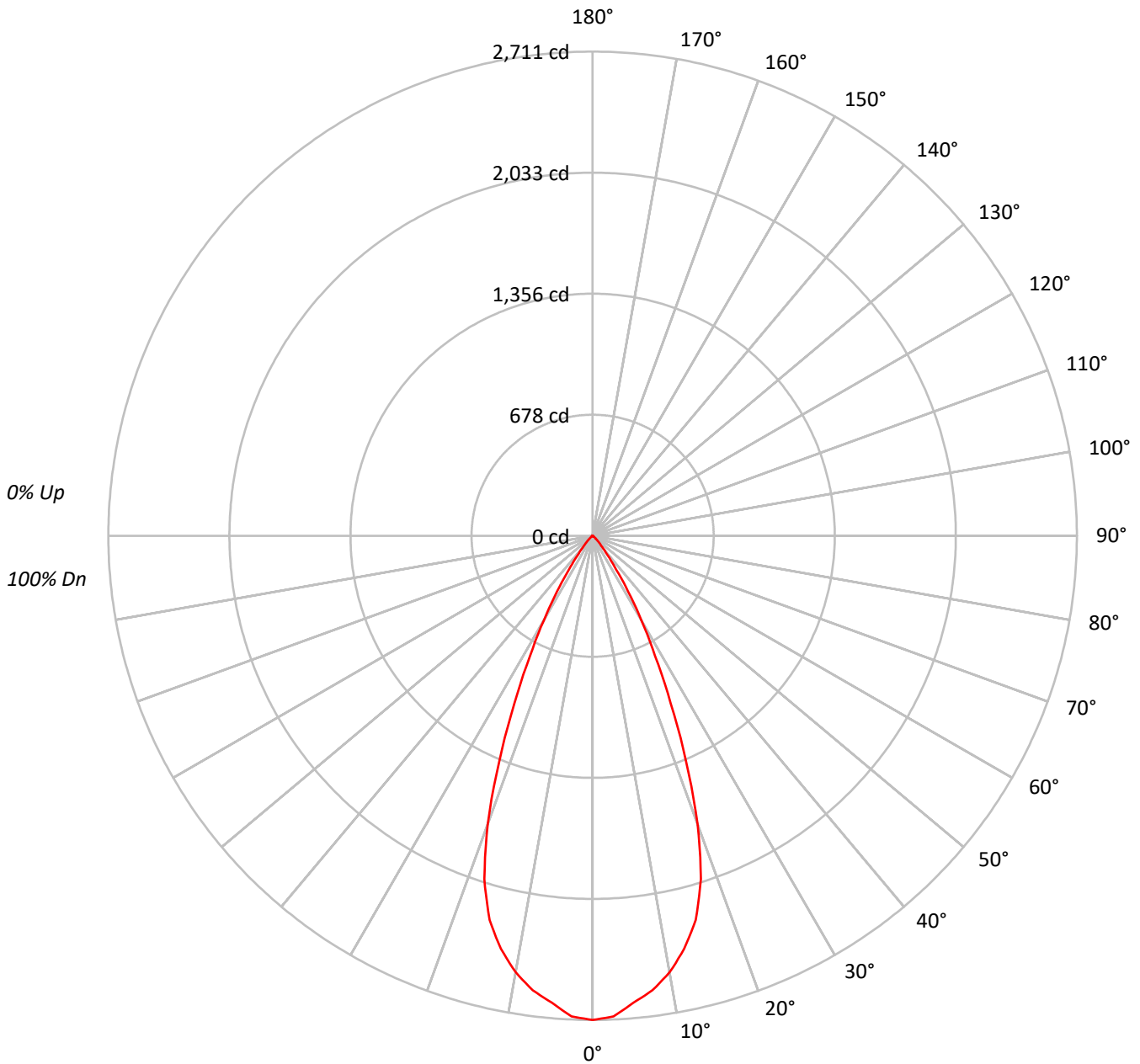


Downlight

TEST NUMBER: P789090

CATALOG NUMBER: LER6D10D010-EC6DR450210IC9024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P789090

CATALOG NUMBER: LER6D10D010-EC6DR450210IC9024-6LBDP1MW

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296228
5°	287795
10°	275346
15°	251998
20°	199920
25°	124812
30°	68797
35°	30891
40°	12166
45°	5733
50°	2720
55°	1429
60°	699
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5733 cd/sqm



TEST NUMBER: P789090

CATALOG NUMBER: LER6D10D010-EC6DR450210IC9024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	16.1
10°-20°	606.8	39.6
20°-30°	480.5	31.3
30°-40°	160.0	10.4
40°-50°	31.8	2.1
50°-60°	7.2	0.5
60°-70°	1.0	0.1
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°	1333.9	87.0
0°-40°	1493.9	97.4
0°-60°	1532.9	99.9
0°-90°	1533.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2711	
5°	2624	247
15°	2228	607
25°	1035	481
35°	232	160
45°	37	32
55°	8	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789090

CATALOG NUMBER: LER6D10D010-EC6DR450210IC9024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2711.2
2.5°	2693.5
5°	2624.0
7.5°	2566.6
10°	2481.8
12.5°	2368.8
15°	2227.8
17.5°	2015.8
20°	1719.4
22.5°	1366.3
25°	1035.3
27.5°	758.1
30°	545.3
32.5°	370.8
35°	231.6
37.5°	137.3
40°	85.3
42.5°	56.1
45°	37.1
47.5°	23.9
50°	16.0
52.5°	10.7
55°	7.5
57.5°	4.9
60°	3.2
62.5°	1.7
65°	0.6
67.5°	0.2
70°	0.2
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)