

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: P789306

Luminaire Tested: LER6D10D010-EC6DR650210IC9035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789306
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: LER6D10D010-EC6DR650210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1447.7 lumens
Efficiency: N/A
Efficacy: 123.7 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): 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

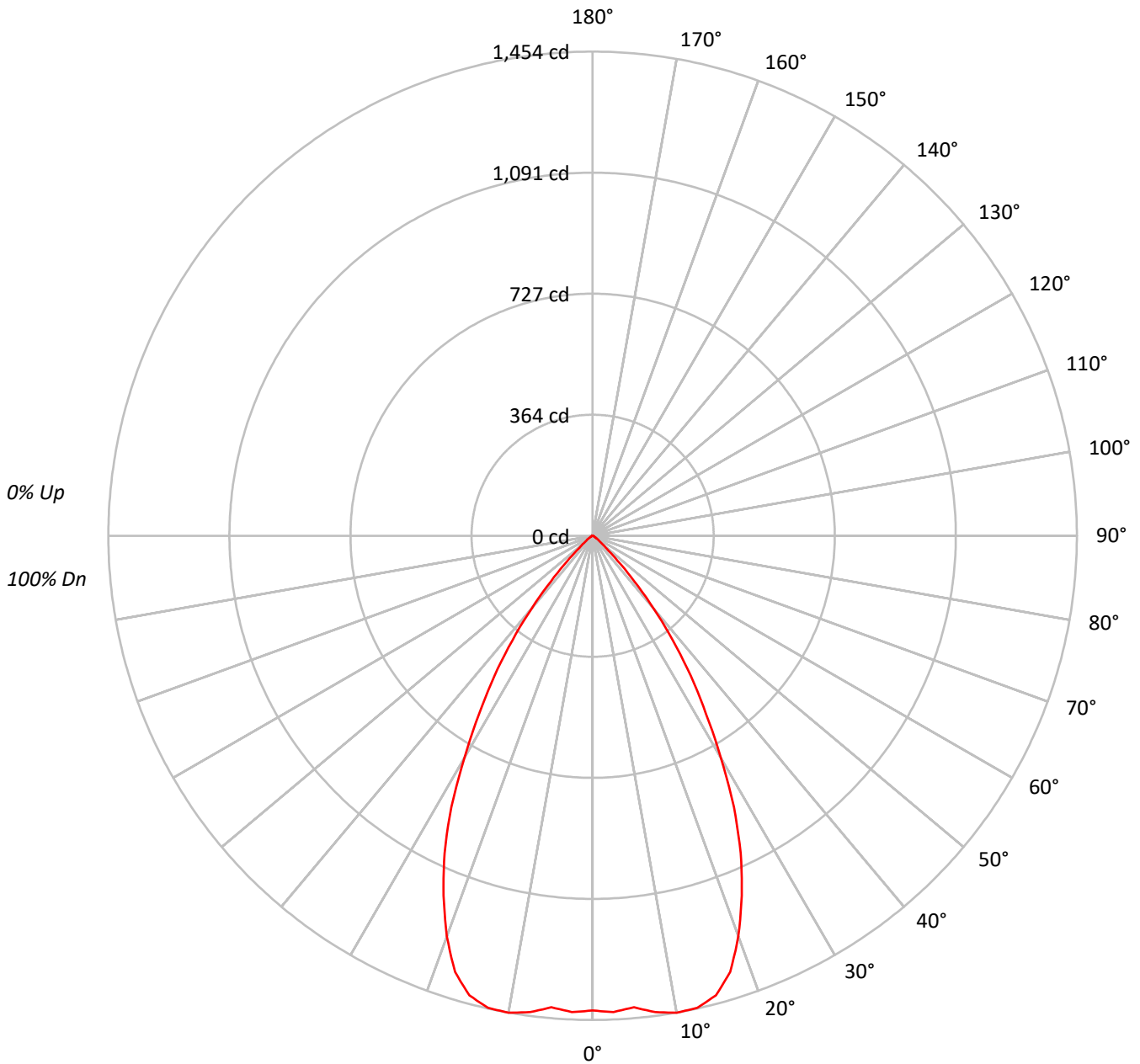


Downlight

TEST NUMBER: P789306

CATALOG NUMBER: LER6D10D010-EC6DR650210IC9035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P789306

CATALOG NUMBER: LER6D10D010-EC6DR650210IC9035-6LBDP1MW

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																			
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°	155740
5°	155875
10°	161360
15°	161630
20°	148806
25°	126789
30°	97058
35°	68572
40°	40478
45°	16425
50°	5949
55°	3315
60°	1901
65°	1060
70°	1086
75°	844
80°	881
85°	752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16425 cd/sqm



TEST NUMBER: P789306

CATALOG NUMBER: LER6D10D010-EC6DR650210IC9035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	9.5
10°-20°	395.9	27.3
20°-30°	475.0	32.8
30°-40°	319.2	22.1
40°-50°	95.5	6.6
50°-60°	16.9	1.2
60°-70°	4.8	0.3
70°-80°	2.3	0.2
80°-90°	0.7	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°	1008.2	69.6
0°-40°	1327.5	91.7
0°-60°	1439.9	99.5
0°-90°	1447.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1447.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1425	
5°	1421	137
15°	1429	396
25°	1052	475
35°	514	319
45°	106	96
55°	17	17
65°	4	5
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P789306

CATALOG NUMBER: LER6D10D010-EC6DR650210IC9035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1425.4
2.5°	1431.5
5°	1421.2
7.5°	1442.7
10°	1454.4
12.5°	1451.6
15°	1428.9
17.5°	1373.4
20°	1279.8
22.5°	1169.6
25°	1051.7
27.5°	918.6
30°	769.3
32.5°	634.0
35°	514.1
37.5°	395.6
40°	283.8
42.5°	185.3
45°	106.3
47.5°	56.3
50°	35.0
52.5°	24.3
55°	17.4
57.5°	12.6
60°	8.7
62.5°	5.7
65°	4.1
67.5°	3.6
70°	3.4
72.5°	2.6
75°	2.0
77.5°	1.8
80°	1.4
82.5°	1.0
85°	0.6
87.5°	0.4
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)