

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: P789370

Luminaire Tested: LER6D10D010-EC6DR700210IC9050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR700210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1533.3 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

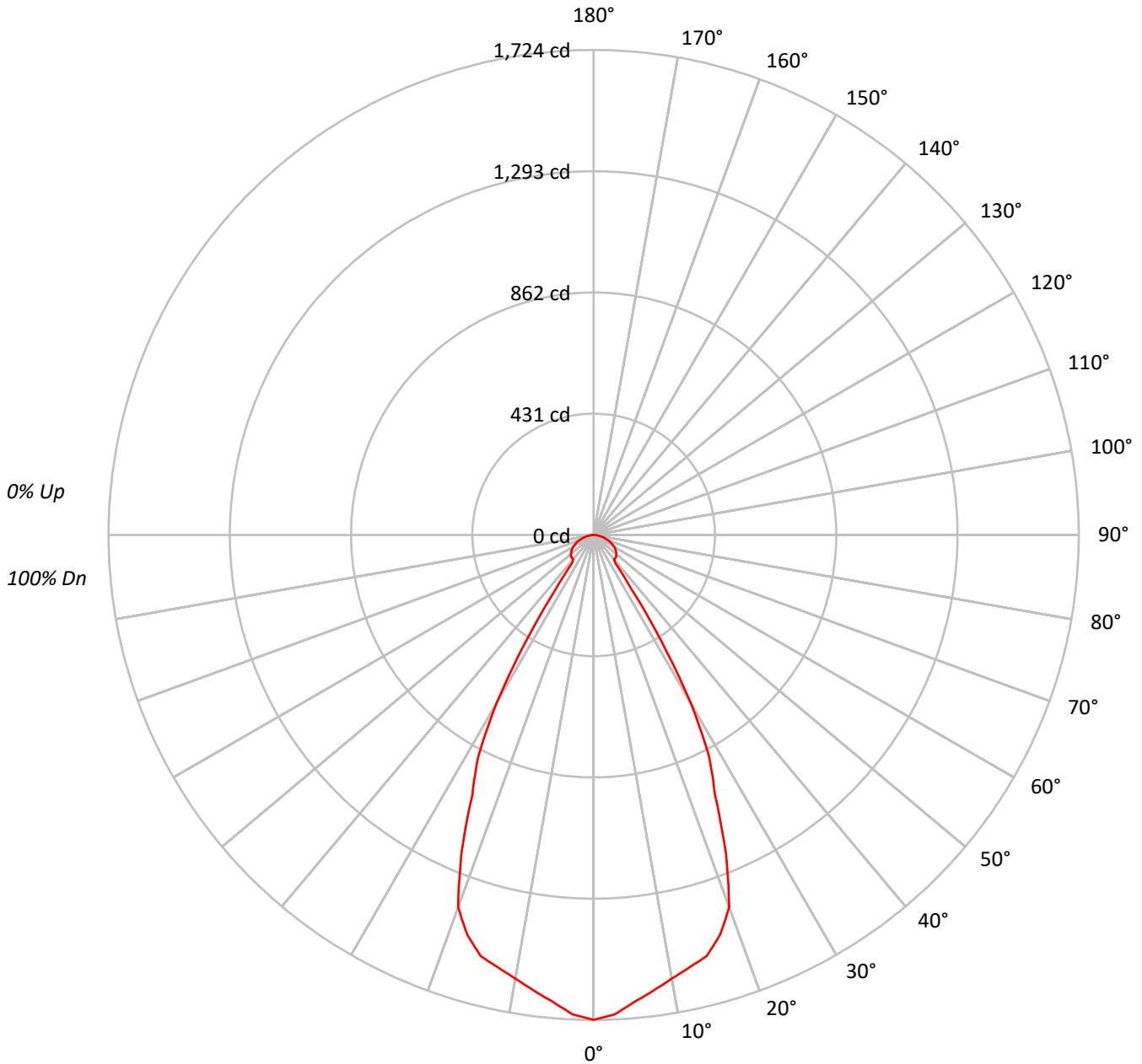
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789370
CATALOG NUMBER: LER6D10D010-EC6DR700210IC9050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P789370

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9050-6LBDP1MW

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188355
5°	182757
10°	177658
15°	175328
20°	163724
25°	123003
30°	86952
35°	30798
40°	16188
45°	17244
50°	17865
55°	18192
60°	18312
65°	17916
70°	16931
75°	15662
80°	13905
85°	11283

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 18322 cd/sqm



TEST NUMBER: P789370

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	10.3
10°-20°	431.1	28.1
20°-30°	474.8	31.0
30°-40°	181.4	11.8
40°-50°	85.6	5.6
50°-60°	85.2	5.6
60°-70°	68.2	4.4
70°-80°	39.2	2.6
80°-90°	10.6	0.7
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°	1063.1	69.3
0°-40°	1244.5	81.2
0°-60°	1415.3	92.3
0°-90°	1533.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1724	
5°	1666	157
15°	1550	431
25°	1020	475
35°	231	181
45°	112	86
55°	96	85
65°	69	68
75°	37	39
85°	9	11
90°	0	



TEST NUMBER: P789370

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1723.9
2.5°	1705.9
5°	1666.3
7.5°	1633.3
10°	1601.3
12.5°	1574.3
15°	1550.0
17.5°	1491.4
20°	1408.1
22.5°	1228.5
25°	1020.3
27.5°	888.2
30°	689.2
32.5°	445.2
35°	230.9
37.5°	124.7
40°	113.5
42.5°	112.7
45°	111.6
47.5°	109.2
50°	105.1
52.5°	100.4
55°	95.5
57.5°	90.1
60°	83.8
62.5°	76.7
65°	69.3
67.5°	61.1
70°	53.0
72.5°	44.8
75°	37.1
77.5°	29.2
80°	22.1
82.5°	15.6
85°	9.0
87.5°	3.5
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)