

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: P793632

Luminaire Tested: LER6D50D010-EC6DR7040509024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793632
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: LER6D50D010-EC6DR7040509024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4981.2 lumens
Efficiency: N/A
Efficacy: 106.0 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

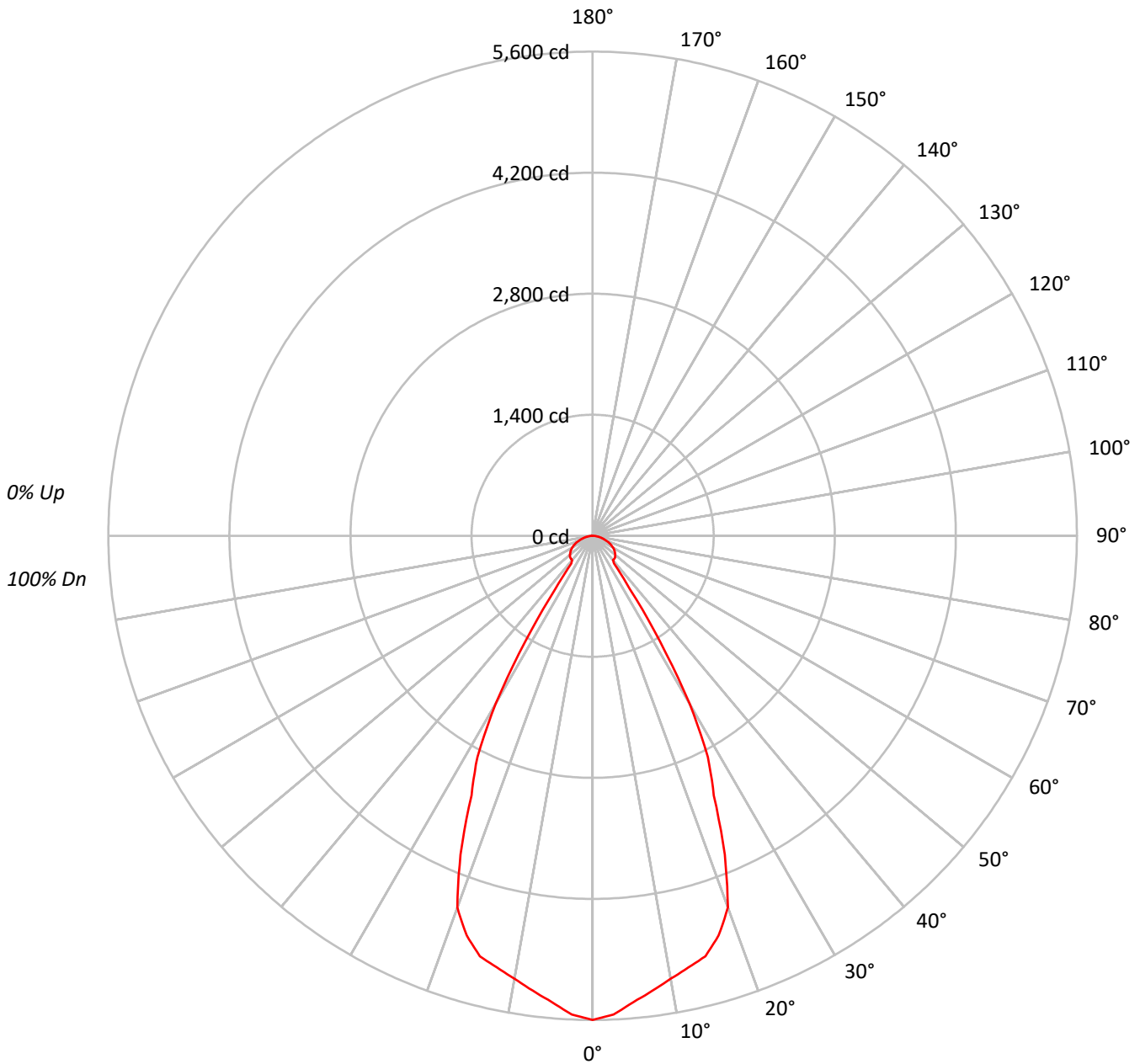
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P793632
CATALOG NUMBER: LER6D50D010-EC6DR7040509024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P793632

CATALOG NUMBER: LER6D50D010-EC6DR7040509024-6LBDP1H

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°	611904
5°	593721
10°	577165
15°	569591
20°	531890
25°	399583
30°	282467
35°	100050
40°	52616
45°	56044
50°	58031
55°	59109
60°	59482
65°	58222
70°	54947
75°	50911
80°	45177
85°	36731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 59501 cd/sqm



TEST NUMBER: P793632

CATALOG NUMBER: LER6D50D010-EC6DR7040509024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.6	10.3
10°-20°	1400.5	28.1
20°-30°	1542.5	31.0
30°-40°	589.3	11.8
40°-50°	278.3	5.6
50°-60°	276.6	5.6
60°-70°	221.5	4.4
70°-80°	127.3	2.6
80°-90°	34.6	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°	3453.6	69.3
0°-40°	4042.9	81.2
0°-60°	4597.8	92.3
0°-90°	4981.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4981.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5600	
5°	5413	511
15°	5036	1401
25°	3314	1542
35°	750	589
45°	363	278
55°	310	277
65°	225	221
75°	121	127
85°	29	35
90°	0	



TEST NUMBER: P793632

CATALOG NUMBER: LER6D50D010-EC6DR7040509024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	5600.4
2.5°	5541.8
5°	5413.3
7.5°	5306.0
10°	5202.2
12.5°	5114.5
15°	5035.5
17.5°	4844.9
20°	4574.5
22.5°	3991.0
25°	3314.5
27.5°	2885.3
30°	2238.9
32.5°	1446.2
35°	750.1
37.5°	405.2
40°	368.9
42.5°	366.2
45°	362.7
47.5°	354.7
50°	341.4
52.5°	326.3
55°	310.3
57.5°	292.6
60°	272.2
62.5°	249.2
65°	225.2
67.5°	198.6
70°	172.0
72.5°	145.4
75°	120.6
77.5°	94.9
80°	71.8
82.5°	50.5
85°	29.3
87.5°	11.5
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)