

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P794599

Luminaire Tested: LER6D60D010-EC6DR7055659027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794599
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: LER6D60D010-EC6DR7055659027-6LB DP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4081.7 lumens
Efficiency: N/A
Efficacy: 63.4 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

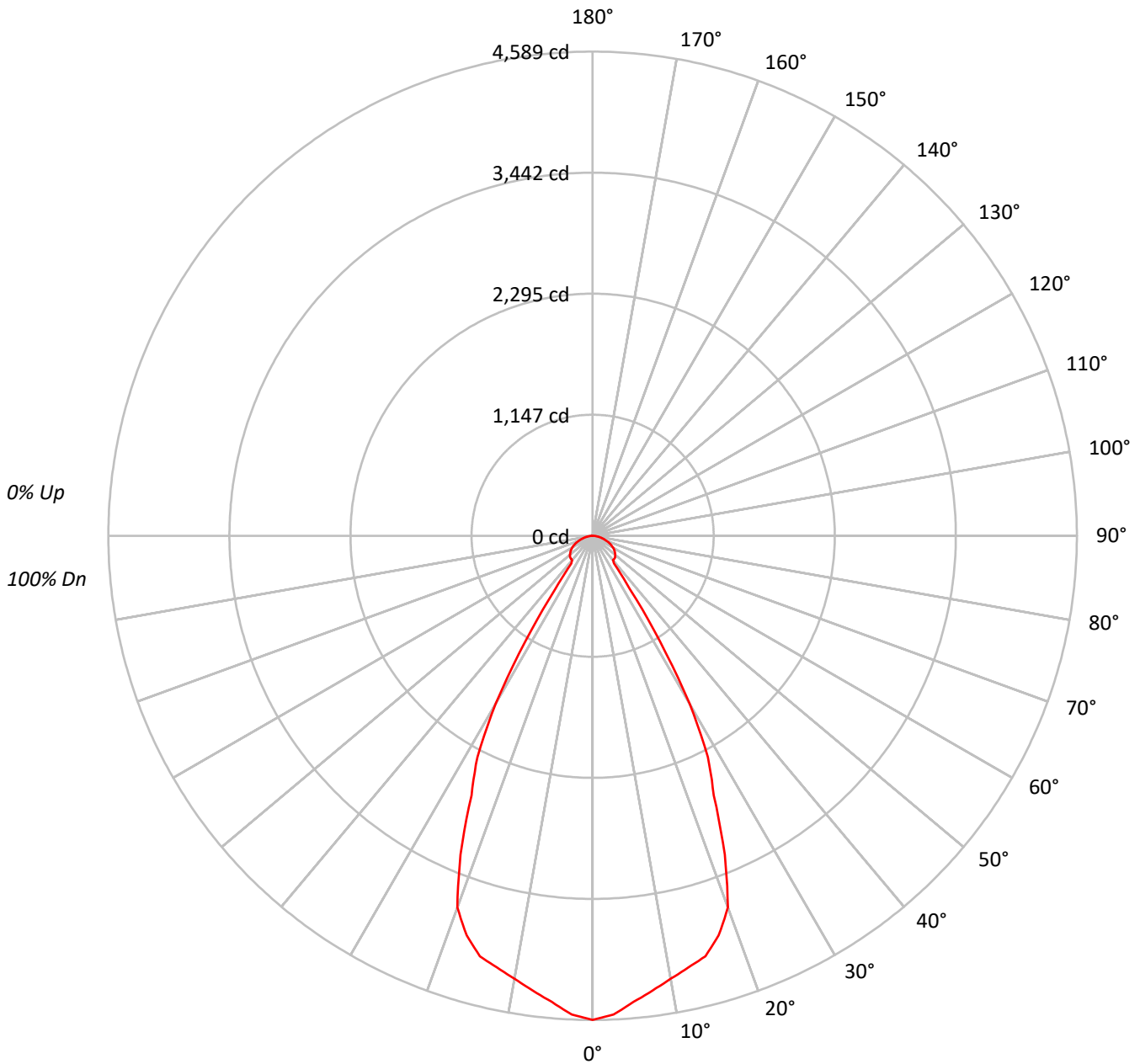
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794599
CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P794599

CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1B

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°	501387
5°	486488
10°	472931
15°	466724
20°	435826
25°	327418
30°	231459
35°	81990
40°	43103
45°	45923
50°	47543
55°	48442
60°	48752
65°	47699
70°	45043
75°	41709
80°	37060
85°	30087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 48764 cd/sqm



TEST NUMBER: P794599

CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.4	10.3
10°-20°	1147.6	28.1
20°-30°	1263.9	31.0
30°-40°	482.9	11.8
40°-50°	228.0	5.6
50°-60°	226.7	5.6
60°-70°	181.5	4.4
70°-80°	104.3	2.6
80°-90°	28.4	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°	2829.9	69.3
0°-40°	3312.8	81.2
0°-60°	3767.5	92.3
0°-90°	4081.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4081.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4589	
5°	4436	418
15°	4126	1148
25°	2716	1264
35°	615	483
45°	297	228
55°	254	227
65°	184	181
75°	99	104
85°	24	28
90°	0	



TEST NUMBER: P794599

CATALOG NUMBER: LER6D60D010-EC6DR7055659027-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4588.9
2.5°	4541.0
5°	4435.6
7.5°	4347.7
10°	4262.7
12.5°	4190.8
15°	4126.1
17.5°	3969.9
20°	3748.3
22.5°	3270.2
25°	2715.9
27.5°	2364.2
30°	1834.6
32.5°	1185.0
35°	614.7
37.5°	332.0
40°	302.2
42.5°	300.1
45°	297.2
47.5°	290.6
50°	279.7
52.5°	267.4
55°	254.3
57.5°	239.8
60°	223.1
62.5°	204.2
65°	184.5
67.5°	162.7
70°	141.0
72.5°	119.2
75°	98.8
77.5°	77.7
80°	58.9
82.5°	41.4
85°	24.0
87.5°	9.4
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)