

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: P788059

Luminaire Tested: LER6D05D010-EC6DR650210IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR650210IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1042.8 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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

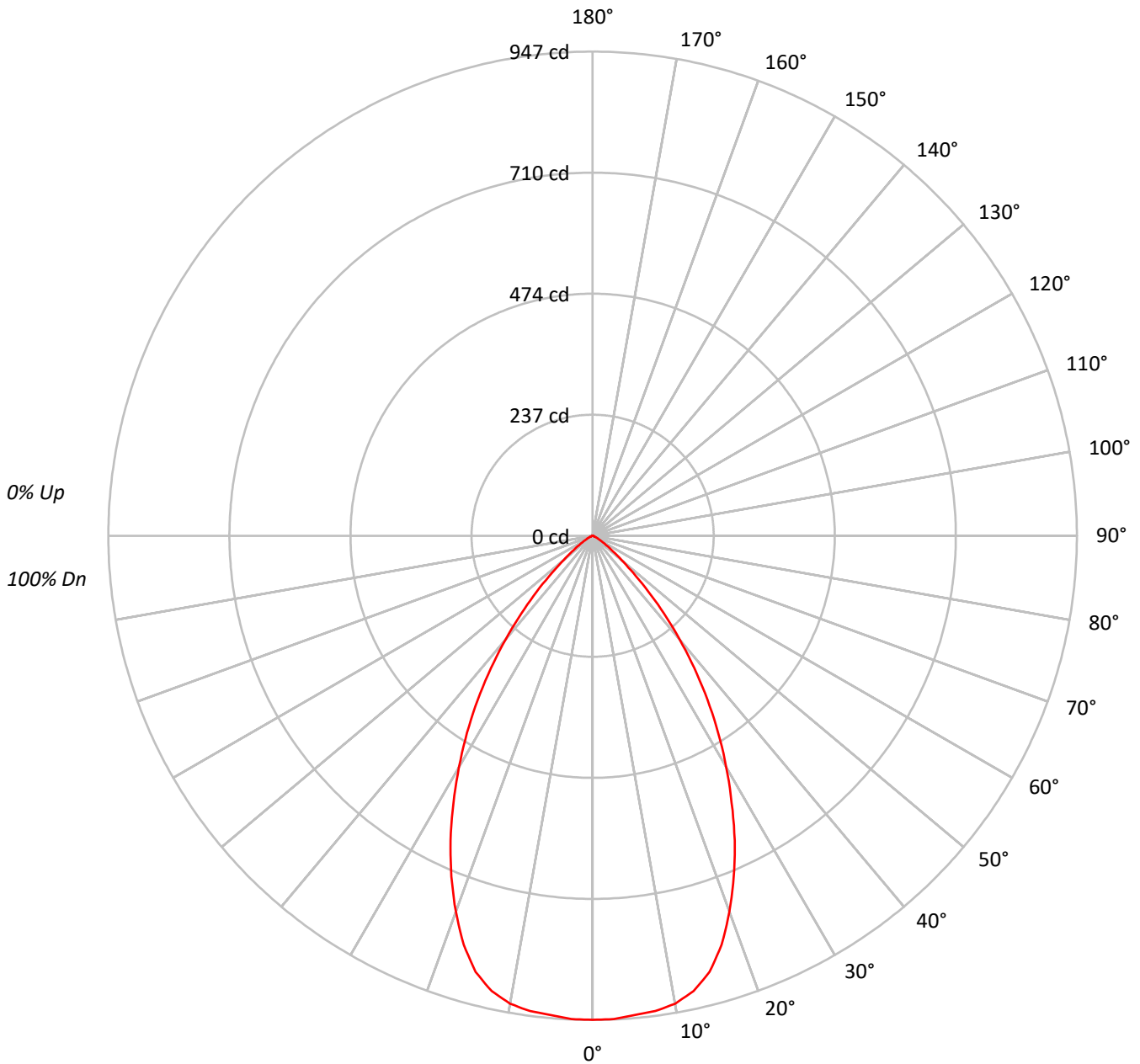


Downlight

TEST NUMBER: P788059

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P788059

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9035-6LBS1B

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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55297
5°	55156
10°	55106
15°	53408
20°	48622
25°	42370
30°	35244
35°	27920
40°	20150
45°	12736
50°	6633
55°	3523
60°	1857
65°	1023
70°	427
75°	474
80°	336
85°	268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12736 cd/sqm



TEST NUMBER: P788059

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	8.6
10°-20°	245.2	23.5
20°-30°	299.7	28.7
30°-40°	243.1	23.3
40°-50°	121.2	11.6
50°-60°	33.8	3.2
60°-70°	7.7	0.7
70°-80°	2.0	0.2
80°-90°	0.5	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°	634.4	60.8
0°-40°	877.5	84.2
0°-60°	1032.5	99.0
0°-90°	1042.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	947	
5°	941	90
15°	883	245
25°	658	300
35°	392	243
45°	154	121
55°	35	34
65°	7	8
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P788059

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9035-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	946.8
2.5°	946.1
5°	940.8
7.5°	937.7
10°	929.2
12.5°	912.0
15°	883.3
17.5°	838.5
20°	782.3
22.5°	721.6
25°	657.5
27.5°	588.9
30°	522.6
32.5°	457.0
35°	391.6
37.5°	326.4
40°	264.3
42.5°	206.2
45°	154.2
47.5°	107.4
50°	73.0
52.5°	50.4
55°	34.6
57.5°	23.4
60°	15.9
62.5°	11.0
65°	7.4
67.5°	3.8
70°	2.5
72.5°	2.4
75°	2.1
77.5°	1.4
80°	1.0
82.5°	0.7
85°	0.4
87.5°	0.3
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)