

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: P785921

Luminaire Tested: LERS6D05D010-EC6DR650210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785921
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: LERS6D05D010-EC6DR650210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1122.9 lumens
Efficiency: N/A
Efficacy: 149.7 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

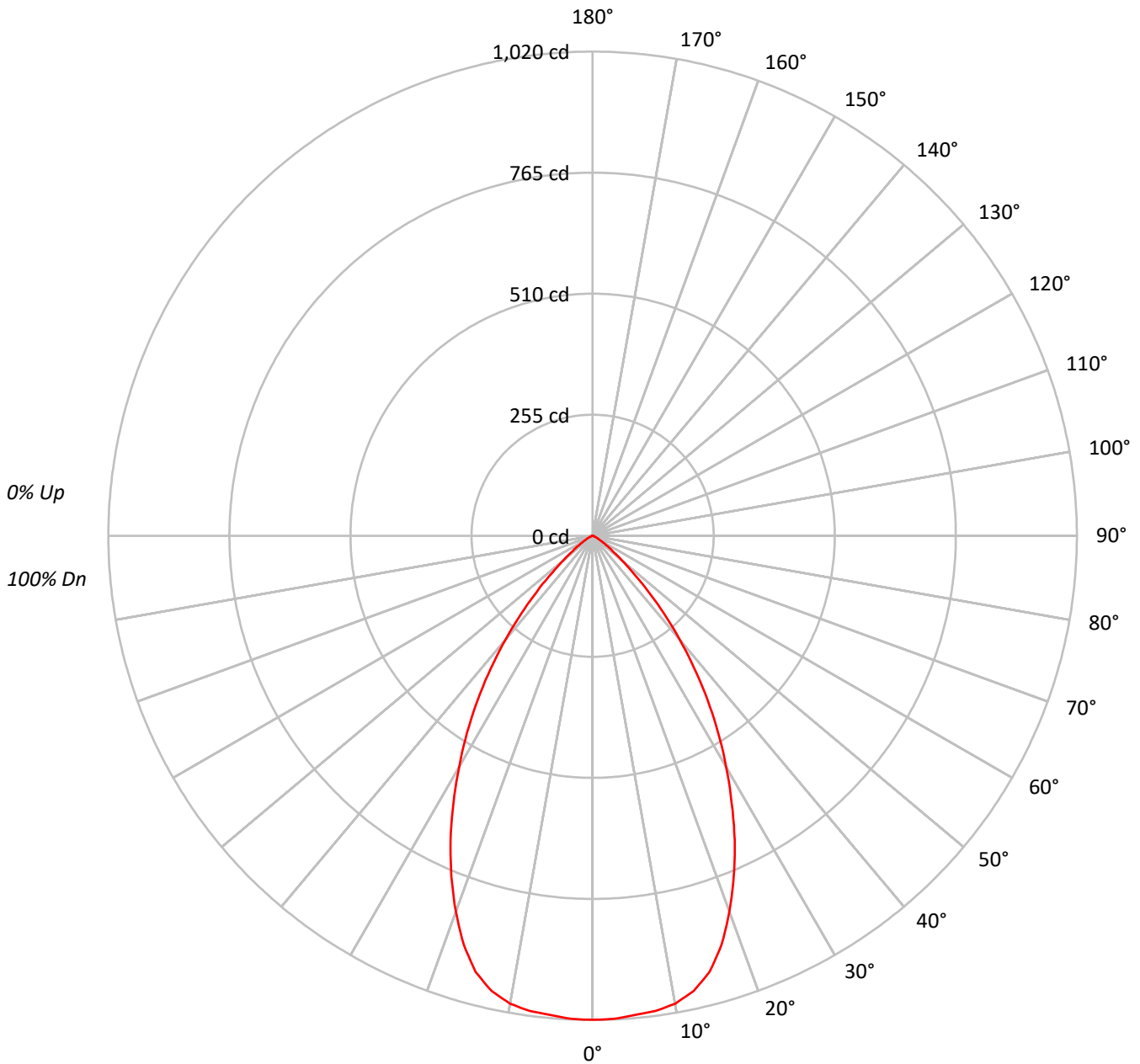


Downlight

TEST NUMBER: P785921

CATALOG NUMBER: LERS6D05D010-EC6DR650210IC9035-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P785921

CATALOG NUMBER: LERS6D05D010-EC6DR650210IC9035-6LBS1H

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			100																
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	89	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59554
5°	59407
10°	59352
15°	57526
20°	52369
25°	45637
30°	37955
35°	30073
40°	21706
45°	13711
50°	7151
55°	3798
60°	1997
65°	1092
70°	461
75°	496
80°	336
85°	268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13711 cd/sqm



TEST NUMBER: P785921

CATALOG NUMBER: LERS6D05D010-EC6DR650210IC9035-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	8.6
10°-20°	264.1	23.5
20°-30°	322.8	28.7
30°-40°	261.9	23.3
40°-50°	130.5	11.6
50°-60°	36.4	3.2
60°-70°	8.2	0.7
70°-80°	2.1	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°	683.3	60.8
0°-40°	945.1	84.2
0°-60°	1112.1	99.0
0°-90°	1122.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1122.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1020	
5°	1013	96
15°	951	264
25°	708	323
35°	422	262
45°	166	131
55°	37	36
65°	8	8
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P785921

CATALOG NUMBER: LERS6D05D010-EC6DR650210IC9035-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1019.7
2.5°	1018.9
5°	1013.3
7.5°	1010.0
10°	1000.8
12.5°	982.2
15°	951.4
17.5°	903.1
20°	842.6
22.5°	777.2
25°	708.2
27.5°	634.3
30°	562.8
32.5°	492.2
35°	421.8
37.5°	351.5
40°	284.7
42.5°	222.1
45°	166.0
47.5°	115.7
50°	78.7
52.5°	54.2
55°	37.3
57.5°	25.2
60°	17.1
62.5°	11.8
65°	7.9
67.5°	4.0
70°	2.7
72.5°	2.5
75°	2.2
77.5°	1.5
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)