

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: P788072

Luminaire Tested: LER6D05D010-EC6DR650210IC9050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR650210IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1083.5 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

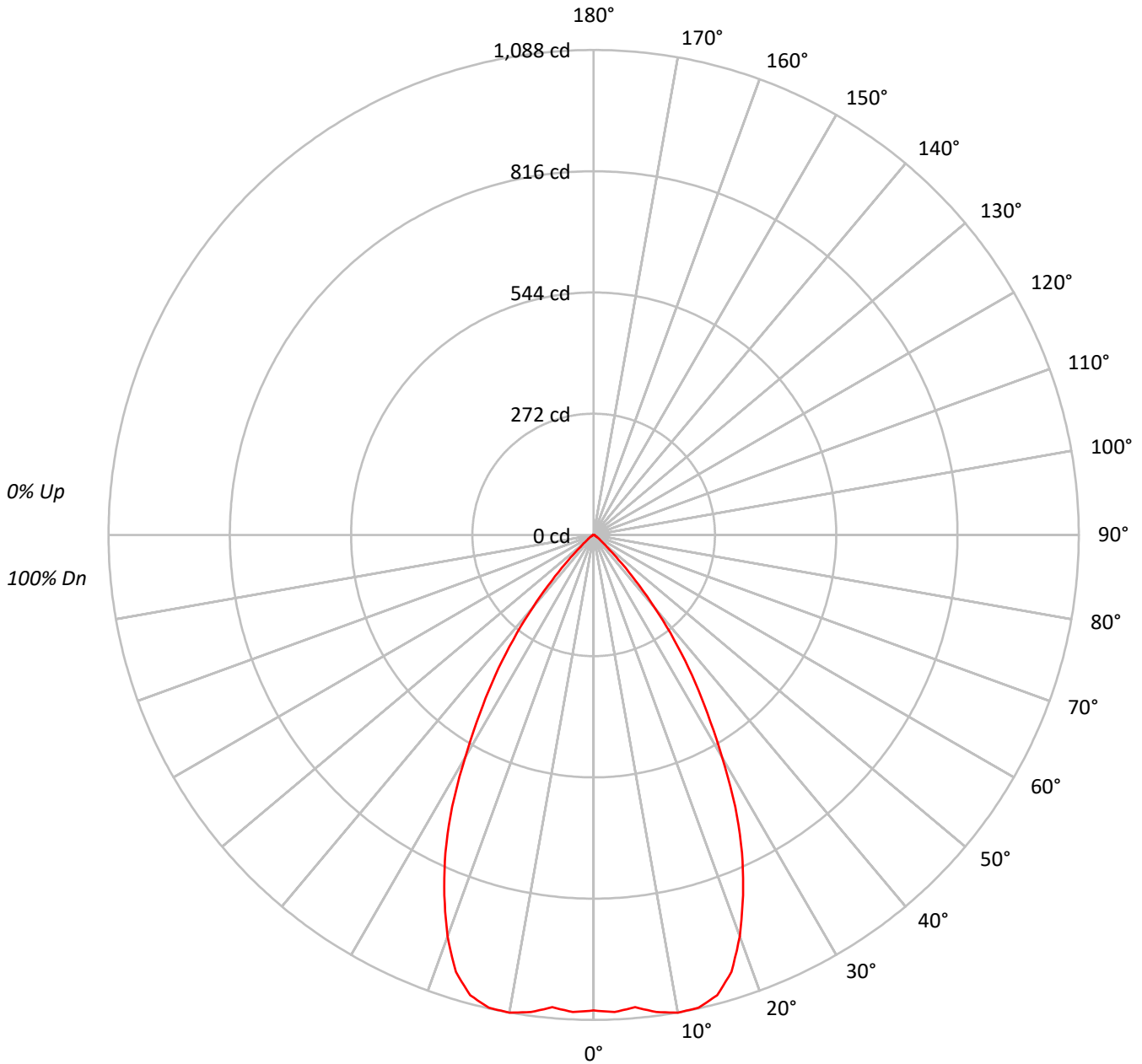
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788072
CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P788072

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1H

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116559
5°	116654
10°	120754
15°	120954
20°	111366
25°	94890
30°	72632
35°	51312
40°	30295
45°	12300
50°	4453
55°	2476
60°	1420
65°	776
70°	831
75°	633
80°	692
85°	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12300 cd/sqm



TEST NUMBER: P788072

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	9.5
10°-20°	296.3	27.3
20°-30°	355.5	32.8
30°-40°	238.9	22.1
40°-50°	71.5	6.6
50°-60°	12.6	1.2
60°-70°	3.6	0.3
70°-80°	1.8	0.2
80°-90°	0.6	0.1
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°	754.5	69.6
0°-40°	993.4	91.7
0°-60°	1077.6	99.5
0°-90°	1083.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1067	
5°	1064	103
15°	1069	296
25°	787	356
35°	385	239
45°	80	72
55°	13	13
65°	3	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P788072

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1066.8
2.5°	1071.3
5°	1063.6
7.5°	1079.6
10°	1088.4
12.5°	1086.3
15°	1069.3
17.5°	1027.8
20°	957.8
22.5°	875.3
25°	787.1
27.5°	687.5
30°	575.7
32.5°	474.5
35°	384.7
37.5°	296.1
40°	212.4
42.5°	138.7
45°	79.6
47.5°	42.1
50°	26.2
52.5°	18.2
55°	13.0
57.5°	9.4
60°	6.5
62.5°	4.2
65°	3.0
67.5°	2.7
70°	2.6
72.5°	2.0
75°	1.5
77.5°	1.4
80°	1.1
82.5°	0.8
85°	0.5
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)