

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: P787616

Luminaire Tested: LER6D05D010-EC6DR200210IC9030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR200210IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 700.3 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

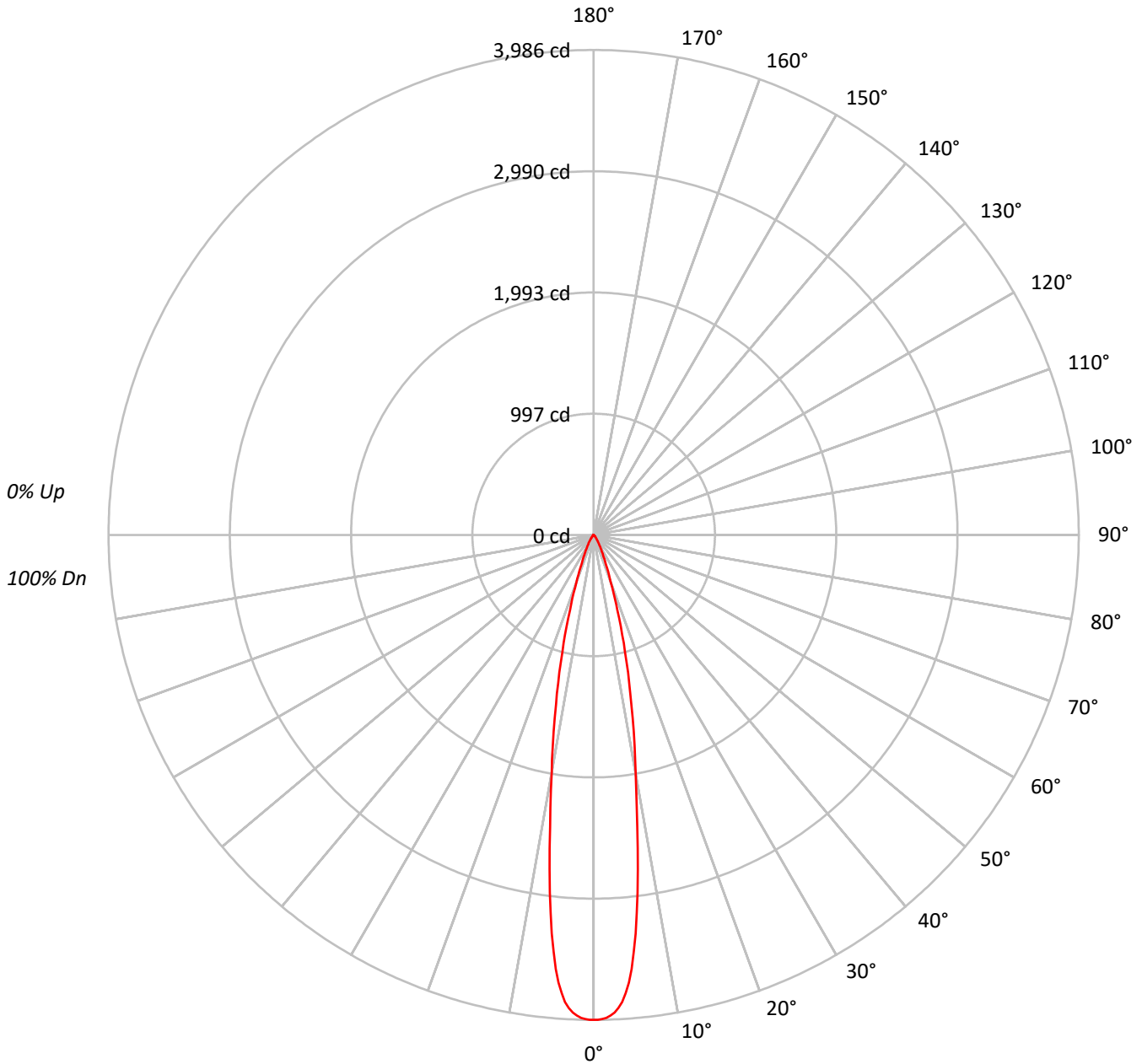
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P787616
CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P787616

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBDP1H

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			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	435481
5°	392878
10°	220506
15°	112086
20°	47463
25°	21905
30°	11594
35°	6242
40°	3338
45°	1978
50°	1139
55°	610
60°	393
65°	284
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1978 cd/sqm



TEST NUMBER: P787616

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	40.5
10°-20°	279.4	39.9
20°-30°	91.3	13.0
30°-40°	31.1	4.4
40°-50°	10.4	1.5
50°-60°	3.2	0.5
60°-70°	1.1	0.2
70°-80°	0.1	0.0
80°-90°	0.0	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°	654.5	93.5
0°-40°	685.6	97.9
0°-60°	699.2	99.8
0°-90°	700.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3986	
5°	3582	284
15°	991	279
25°	182	91
35°	47	31
45°	13	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P787616

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	3985.7
0.5°	3985.7
1°	3980.7
1.5°	3970.8
2°	3952.7
2.5°	3928.5
3°	3894.5
3.5°	3846.9
4°	3776.3
4.5°	3690.4
5°	3582.1
5.5°	3439.8
6°	3293.9
6.5°	3126.8
7°	2963.2
7.5°	2771.5
8°	2600.4
8.5°	2428.3
9°	2269.3
9.5°	2123.4
10°	1987.5
12.5°	1427.1
15°	990.9
17.5°	647.4
20°	408.2
22.5°	264.4
25°	181.7
27.5°	127.8
30°	91.9
32.5°	66.0
35°	46.8
37.5°	32.7
40°	23.4
42.5°	17.0
45°	12.8
47.5°	9.9
50°	6.7
52.5°	4.3
55°	3.2
57.5°	2.5
60°	1.8
62.5°	1.4
65°	1.1



TEST NUMBER: P787616

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9030-6LBDP1H

CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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





— 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





67.5°		0.7
70°		0.4

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

Scaled Data Report



(END OF REPORT)