

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: P787628

Luminaire Tested: LER6D05D010-EC6DR200210IC9035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787628  
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-EC6DR200210IC9035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 778.2 lumens  
Efficiency: N/A  
Efficacy: 103.8 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

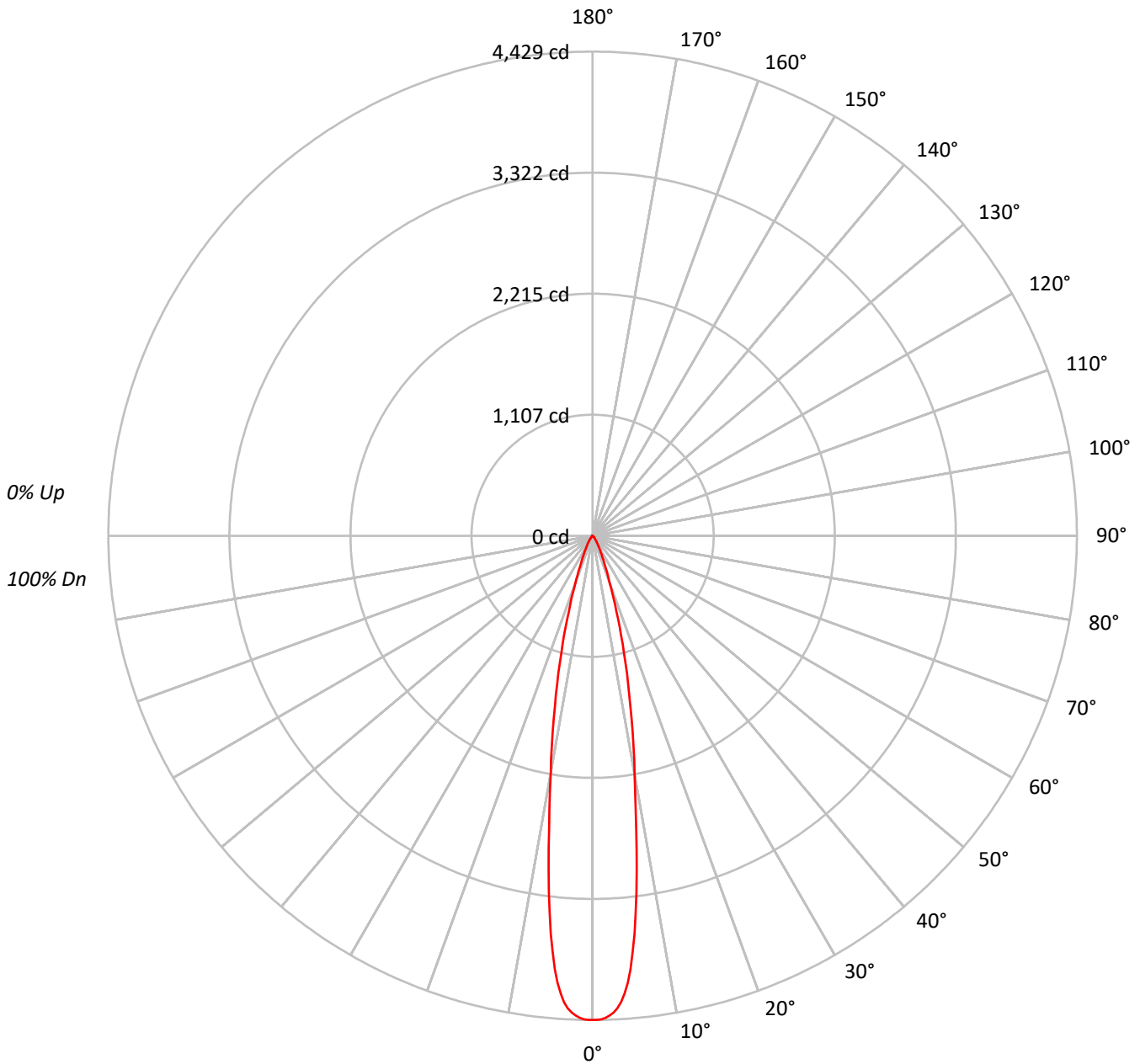
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P787628  
CATALOG NUMBER: LER6D05D010-EC6DR200210IC9035-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P787628

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9035-6LBS1H

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	483916
5°	436585
10°	245036
15°	124551
20°	52741
25°	24340
30°	12881
35°	6949
40°	3708
45°	2194
50°	1275
55°	667
60°	437
65°	310
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2194 cd/sqm



TEST NUMBER: P787628

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9035-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.3	40.5
10°-20°	310.5	39.9
20°-30°	101.4	13.0
30°-40°	34.5	4.4
40°-50°	11.6	1.5
50°-60°	3.5	0.4
60°-70°	1.2	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°	727.3	93.5
0°-40°	761.8	97.9
0°-60°	776.9	99.8
0°-90°	778.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4429	
5°	3981	315
15°	1101	311
25°	202	101
35°	52	35
45°	14	12
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P787628

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9035-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4429.0
0.5°	4429.0
1°	4423.5
1.5°	4412.5
2°	4392.4
2.5°	4365.5
3°	4327.7
3.5°	4274.8
4°	4196.3
4.5°	4100.9
5°	3980.6
5.5°	3822.5
6°	3660.4
6.5°	3474.6
7°	3292.8
7.5°	3079.8
8°	2889.7
8.5°	2698.4
9°	2521.7
9.5°	2359.7
10°	2208.6
12.5°	1585.9
15°	1101.1
17.5°	719.4
20°	453.6
22.5°	293.8
25°	201.9
27.5°	142.0
30°	102.1
32.5°	73.4
35°	52.1
37.5°	36.3
40°	26.0
42.5°	18.9
45°	14.2
47.5°	11.0
50°	7.5
52.5°	4.7
55°	3.5
57.5°	2.8
60°	2.0
62.5°	1.6
65°	1.2



TEST NUMBER: P787628

CATALOG NUMBER: LER6D05D010-EC6DR200210IC9035-6LBS1H

**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



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

Scaled Data Report



67.5°		0.8
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)