

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: P785373

Luminaire Tested: LERS6D02D010-EC6DR150210IC9040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P785373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS6D02D010-EC6DR150210IC9040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 418.0 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 5.1  
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

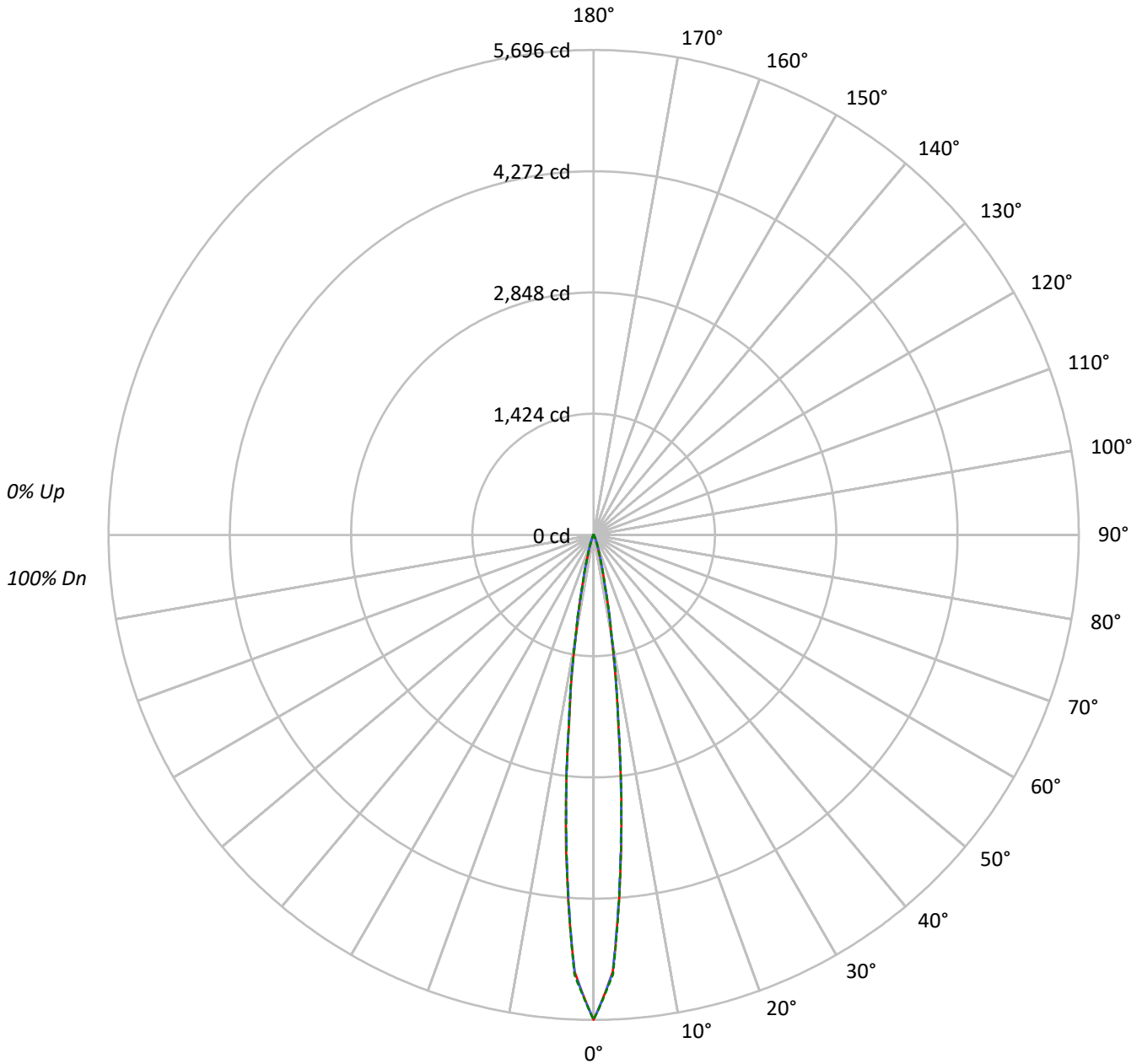


Downlight

TEST NUMBER: P785373

CATALOG NUMBER: LERS6D02D010-EC6DR150210IC9040-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P785373

CATALOG NUMBER: LERS6D02D010-EC6DR150210IC9040-6LBS1H

**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																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	640857	640857	640857
5°	376596	371718	374665
10°	112398	113182	114918
15°	27959	28506	27620
20°	8362	9688	8542
25°	2952	3755	2984
30°	1086	1423	1101
35°	545	610	523
40°	341	376	341
45°	252	273	252
50°	202	202	202
55°	167	167	167
60°	133	133	133
65°	100	100	100
70°	88	88	88
75°	53	53	76
80°	39	39	39
85°	17	17	17

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 273 cd/sqm



TEST NUMBER: P785373

CATALOG NUMBER: LERS6D02D010-EC6DR150210IC9040-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.1	64.9
10°-20°	111.5	26.7
20°-30°	22.1	5.3
30°-40°	5.5	1.3
40°-50°	2.9	0.7
50°-60°	2.2	0.5
60°-70°	1.5	0.4
70°-80°	0.9	0.2
80°-90°	0.3	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°	404.8	96.8
0°-40°	410.3	98.2
0°-60°	415.4	99.4
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5696	5696	5696	5696	5696	
5°	3706	3668	3658	3683	3687	271
15°	322	328	328	322	318	110
25°	38	43	48	43	38	20
35°	8	8	8	8	7	5
45°	4	4	4	4	4	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P785373

CATALOG NUMBER: LERS6D02D010-EC6DR150210IC9040-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5695.5	5695.5	5695.5	5695.5	5695.5
2.5°	5137.6	5141.9	5143.6	5148.7	5167.5
5°	3705.6	3667.5	3657.6	3683.0	3686.6
7.5°	2195.1	2202.8	2231.0	2237.3	2214.6
10°	1204.6	1214.5	1213.0	1221.7	1231.6
12.5°	616.0	608.3	605.9	615.8	602.1
15°	321.9	327.9	328.2	322.4	318.0
17.5°	173.1	180.1	191.7	182.3	167.8
20°	102.2	108.5	118.4	110.7	104.4
22.5°	63.2	68.2	75.2	69.2	64.1
25°	37.9	42.9	48.2	42.7	38.3
27.5°	22.4	26.8	30.1	26.5	22.2
30°	14.5	16.9	19.0	16.6	14.7
32.5°	10.1	11.1	12.1	11.1	10.1
35°	7.5	8.0	8.4	8.0	7.2
37.5°	5.8	6.3	6.5	6.0	5.5
40°	4.8	5.1	5.3	5.1	4.8
42.5°	4.1	4.3	4.3	4.3	4.1
45°	3.6	3.6	3.9	3.6	3.6
47.5°	3.1	3.1	3.4	3.1	3.1
50°	2.9	2.9	2.9	2.9	2.9
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.2	2.2	2.2	2.2	2.2
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.7	0.7	0.7	0.7	1.0
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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°    - - 45°-225°    - - - - 90°-270°

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)