

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: P790063

Luminaire Tested: LER6D20D010-EC6DR1515309040-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790063  
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: LER6D20D010-EC6DR1515309040-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1963.6 lumens  
Efficiency: N/A  
Efficacy: 85.0 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

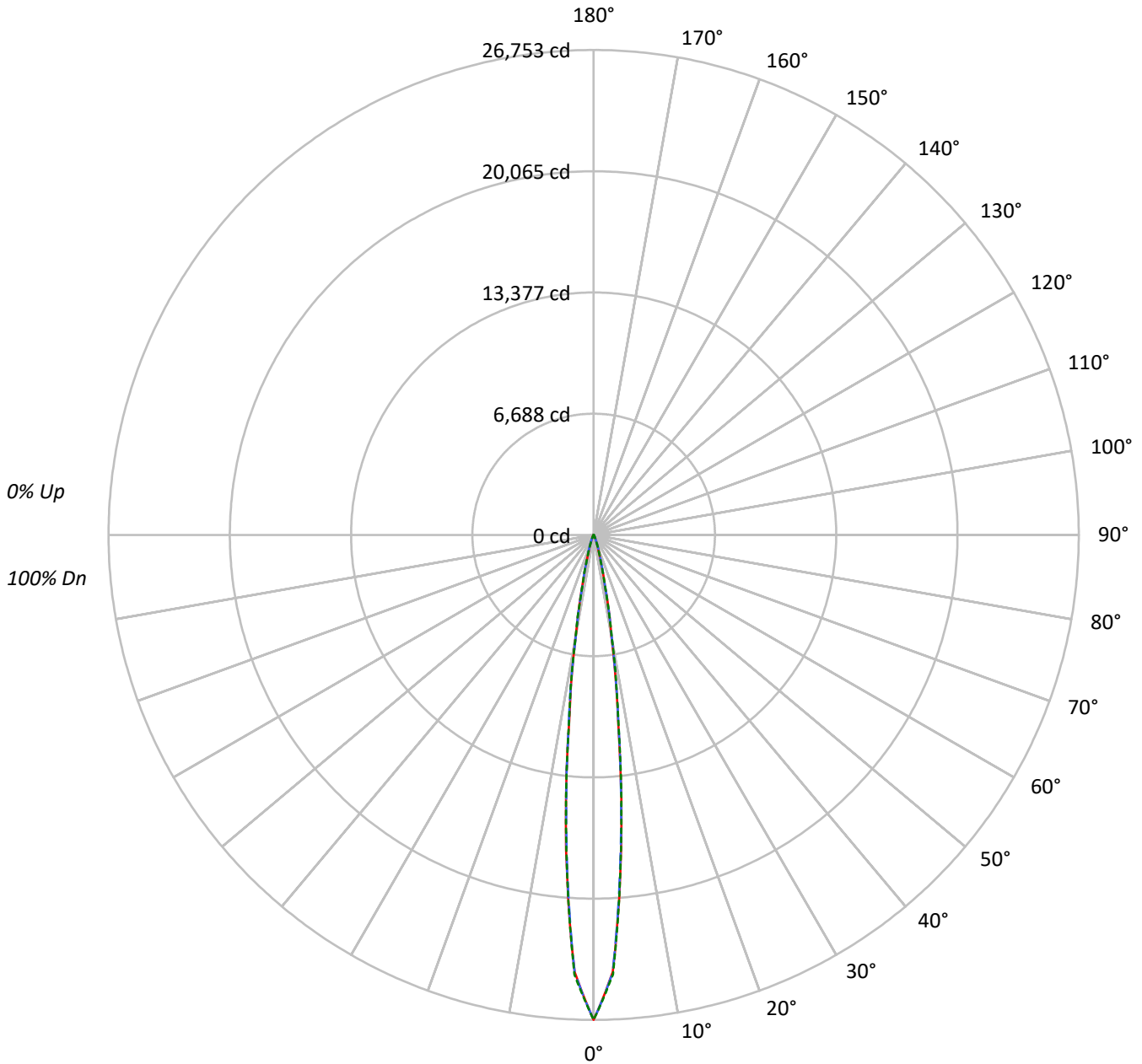
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790063  
CATALOG NUMBER: LER6D20D010-EC6DR1515309040-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P790063

CATALOG NUMBER: LER6D20D010-EC6DR1515309040-6LBDP1B

**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	98	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°	3010280	3010280	3010280
5°	1768983	1746076	1759887
10°	527962	531657	539794
15°	131328	133881	129747
20°	39291	45502	40126
25°	13851	17645	14030
30°	5092	6702	5174
35°	2549	2876	2469
40°	1612	1768	1612
45°	1190	1267	1190
50°	946	946	946
55°	787	787	787
60°	639	639	639
65°	485	485	485
70°	417	417	417
75°	257	257	340
80°	181	181	181
85°	91	91	91

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1267 cd/sqm



TEST NUMBER: P790063

CATALOG NUMBER: LER6D20D010-EC6DR1515309040-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1273.5	64.9
10°-20°	523.8	26.7
20°-30°	104.0	5.3
30°-40°	26.0	1.3
40°-50°	13.7	0.7
50°-60°	10.1	0.5
60°-70°	7.2	0.4
70°-80°	4.1	0.2
80°-90°	1.2	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°	1901.4	96.8
0°-40°	1927.4	98.2
0°-60°	1951.1	99.4
0°-90°	1963.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1963.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26753	26753	26753	26753	26753	
5°	17406	17227	17181	17300	17317	1271
15°	1512	1540	1541	1514	1494	518
25°	178	202	226	200	180	93
35°	35	37	40	37	34	24
45°	17	17	18	17	17	13
55°	11	11	11	11	11	10
65°	7	7	7	7	7	7
75°	3	3	3	3	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P790063

CATALOG NUMBER: LER6D20D010-EC6DR1515309040-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	26753.3	26753.3	26753.3	26753.3	26753.3
2.5°	24132.5	24152.9	24160.9	24184.6	24273.0
5°	17406.3	17227.3	17180.9	17299.8	17316.8
7.5°	10310.8	10347.0	10479.6	10509.0	10402.5
10°	5658.3	5704.7	5697.9	5738.7	5785.1
12.5°	2893.7	2857.4	2846.1	2892.6	2828.0
15°	1512.0	1540.3	1541.4	1514.2	1493.8
17.5°	813.2	846.0	900.4	856.2	788.3
20°	480.2	509.7	556.1	519.8	490.4
22.5°	296.7	320.5	353.4	325.0	301.3
25°	177.8	201.6	226.5	200.5	180.1
27.5°	105.3	125.7	141.6	124.6	104.2
30°	68.0	79.3	89.5	78.1	69.1
32.5°	47.6	52.1	56.6	52.1	47.6
35°	35.1	37.4	39.6	37.4	34.0
37.5°	27.2	29.4	30.6	28.3	26.0
40°	22.7	23.8	24.9	23.8	22.7
42.5°	19.3	20.4	20.4	20.4	19.3
45°	17.0	17.0	18.1	17.0	17.0
47.5°	14.7	14.7	15.9	14.7	14.7
50°	13.6	13.6	13.6	13.6	13.6
52.5°	12.5	12.5	12.5	12.5	12.5
55°	11.3	11.3	11.3	11.3	11.3
57.5°	10.2	10.2	10.2	10.2	10.2
60°	9.1	9.1	9.1	9.1	9.1
62.5°	7.9	7.9	7.9	7.9	7.9
65°	6.8	6.8	6.8	6.8	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.4	3.4	3.4	3.4	4.5
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1
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)