

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: P790089

Luminaire Tested: LER6D20D010-EC6DR2015309027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790089
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: LER6D20D010-EC6DR2015309027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2066.5 lumens
Efficiency: N/A
Efficacy: 89.5 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

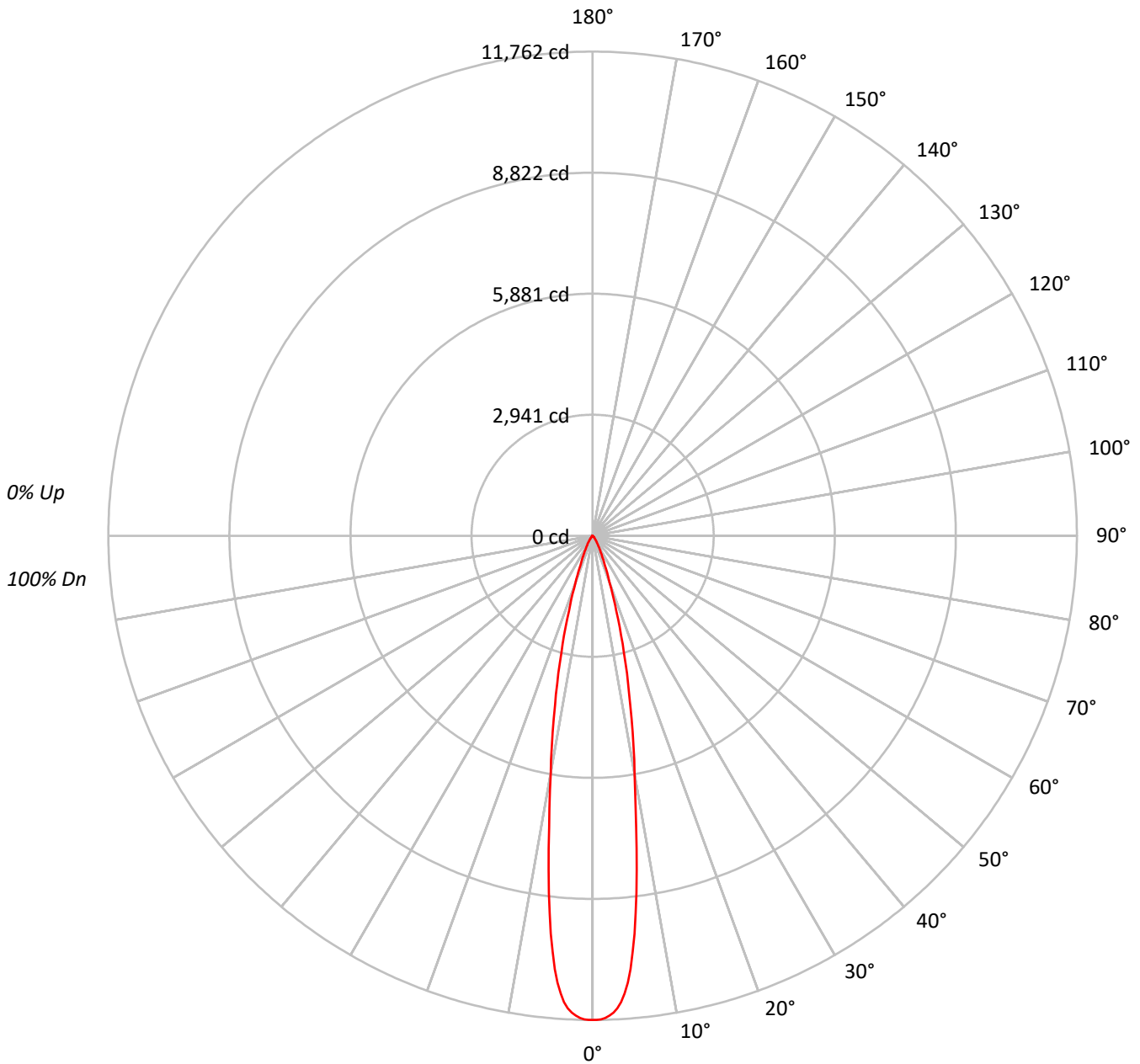
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790089
CATALOG NUMBER: LER6D20D010-EC6DR2015309027-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P790089

CATALOG NUMBER: LER6D20D010-EC6DR2015309027-6LBDP1LI

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°	1285114
5°	1159418
10°	650733
15°	330771
20°	140051
25°	64654
30°	34228
35°	18447
40°	9856
45°	5825
50°	3383
55°	1791
60°	1136
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5825 cd/sqm



TEST NUMBER: P790089

CATALOG NUMBER: LER6D20D010-EC6DR2015309027-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.4	40.5
10°-20°	824.6	39.9
20°-30°	269.4	13.0
30°-40°	91.7	4.4
40°-50°	30.8	1.5
50°-60°	9.3	0.4
60°-70°	3.1	0.1
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°	1931.4	93.5
0°-40°	2023.2	97.9
0°-60°	2063.3	99.8
0°-90°	2066.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2066.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11762	
5°	10571	837
15°	2924	825
25°	536	269
35°	138	92
45°	38	31
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P790089

CATALOG NUMBER: LER6D20D010-EC6DR2015309027-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	11761.9
0.5°	11761.9
1°	11747.3
1.5°	11717.9
2°	11664.5
2.5°	11593.3
3°	11492.8
3.5°	11352.4
4°	11144.0
4.5°	10890.5
5°	10571.1
5.5°	10151.1
6°	9720.6
6.5°	9227.3
7°	8744.5
7.5°	8178.9
8°	7674.1
8.5°	7166.1
9°	6696.9
9.5°	6266.4
10°	5865.3
12.5°	4211.5
15°	2924.2
17.5°	1910.4
20°	1204.5
22.5°	780.3
25°	536.3
27.5°	377.1
30°	271.3
32.5°	194.8
35°	138.3
37.5°	96.4
40°	69.1
42.5°	50.3
45°	37.7
47.5°	29.3
50°	19.9
52.5°	12.6
55°	9.4
57.5°	7.3
60°	5.2
62.5°	4.2
65°	3.1



TEST NUMBER: P790089
CATALOG NUMBER: LER6D20D010-EC6DR2015309027-6LBDP1LI

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



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°		2.1
70°		1.0

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

Scaled Data Report



(END OF REPORT)