

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: P789427

Luminaire Tested: LER6D15D010-EC6DR1515309024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789427
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: LER6D15D010-EC6DR1515309024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1295.3 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

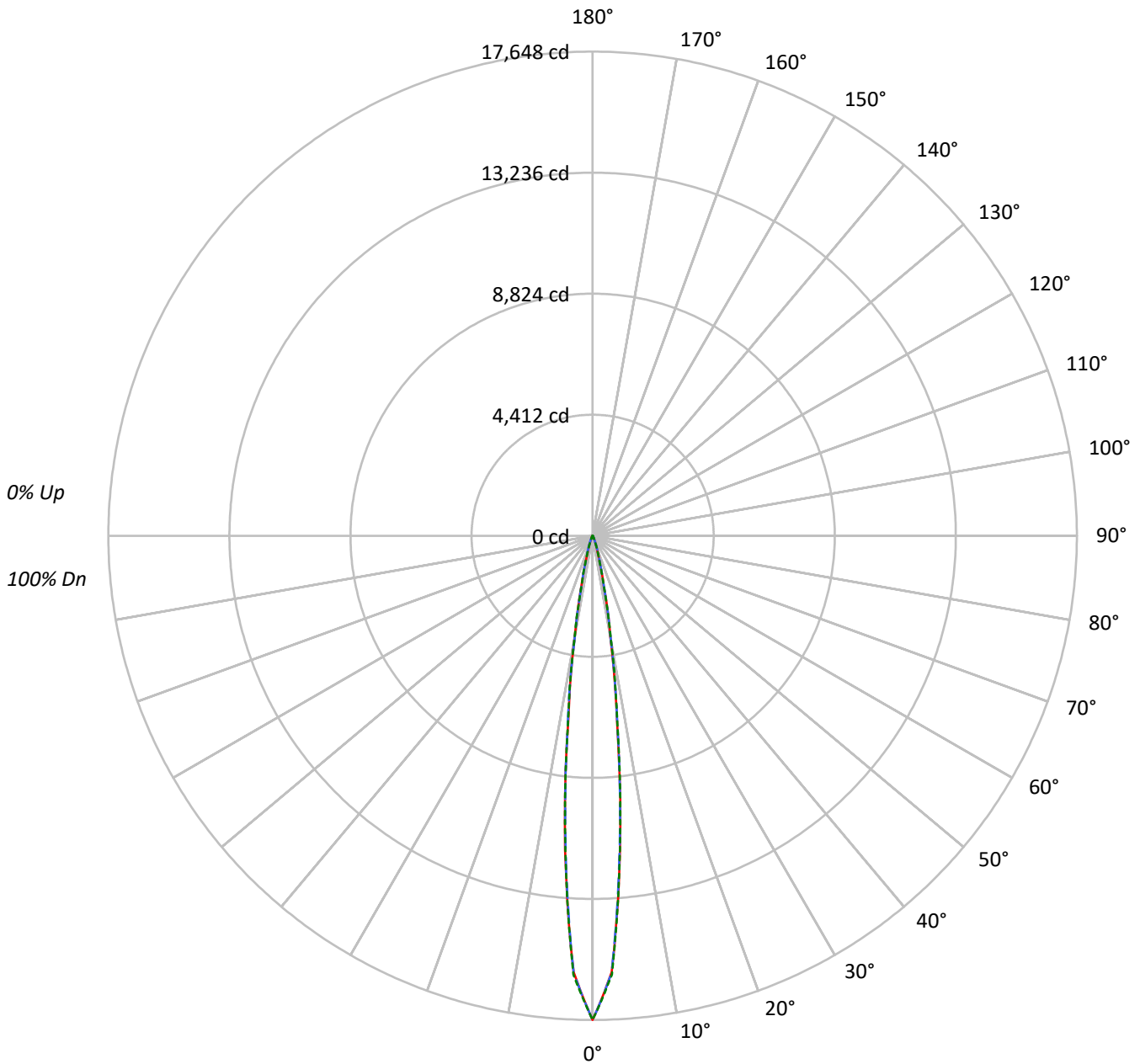
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1985786	1985786	1985786
5°	1166944	1151832	1160948
10°	348280	350715	356090
15°	86631	88316	85589
20°	25921	30013	26470
25°	9138	11638	9255
30°	3355	4418	3415
35°	1685	1895	1627
40°	1058	1165	1058
45°	784	840	784
50°	626	626	626
55°	522	522	522
60°	421	421	421
65°	321	321	321
70°	271	271	271
75°	166	166	227
80°	118	118	118
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 840 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.1	64.9
10°-20°	345.6	26.7
20°-30°	68.6	5.3
30°-40°	17.1	1.3
40°-50°	9.0	0.7
50°-60°	6.7	0.5
60°-70°	4.7	0.4
70°-80°	2.7	0.2
80°-90°	0.8	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°	1254.3	96.8
0°-40°	1271.4	98.2
0°-60°	1287.1	99.4
0°-90°	1295.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17648	17648	17648	17648	17648	
5°	11482	11364	11334	11412	11423	839
15°	997	1016	1017	999	985	342
25°	117	133	149	132	119	62
35°	23	25	26	25	22	16
45°	11	11	12	11	11	9
55°	8	8	8	8	8	7
65°	4	4	4	4	4	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17648.3	17648.3	17648.3	17648.3	17648.3
2.5°	15919.5	15932.9	15938.2	15953.9	16012.1
5°	11482.4	11364.3	11333.7	11412.2	11423.4
7.5°	6801.7	6825.6	6913.0	6932.5	6862.2
10°	3732.6	3763.2	3758.7	3785.6	3816.3
12.5°	1908.9	1885.0	1877.5	1908.1	1865.5
15°	997.4	1016.1	1016.8	998.9	985.4
17.5°	536.4	558.1	594.0	564.8	520.0
20°	316.8	336.2	366.8	342.9	323.5
22.5°	195.7	211.4	233.1	214.4	198.7
25°	117.3	133.0	149.4	132.2	118.8
27.5°	69.5	82.9	93.4	82.2	68.7
30°	44.8	52.3	59.0	51.6	45.6
32.5°	31.4	34.4	37.4	34.4	31.4
35°	23.2	24.7	26.1	24.7	22.4
37.5°	17.9	19.4	20.2	18.7	17.2
40°	14.9	15.7	16.4	15.7	14.9
42.5°	12.7	13.4	13.4	13.4	12.7
45°	11.2	11.2	12.0	11.2	11.2
47.5°	9.7	9.7	10.5	9.7	9.7
50°	9.0	9.0	9.0	9.0	9.0
52.5°	8.2	8.2	8.2	8.2	8.2
55°	7.5	7.5	7.5	7.5	7.5
57.5°	6.7	6.7	6.7	6.7	6.7
60°	6.0	6.0	6.0	6.0	6.0
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.7	3.7	3.7	3.7	3.7
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.2	2.2	2.2	2.2	3.0
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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