

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: P792300

Luminaire Tested: LER6D40BD010-EC6DR3040509027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR3040509027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4466.7 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

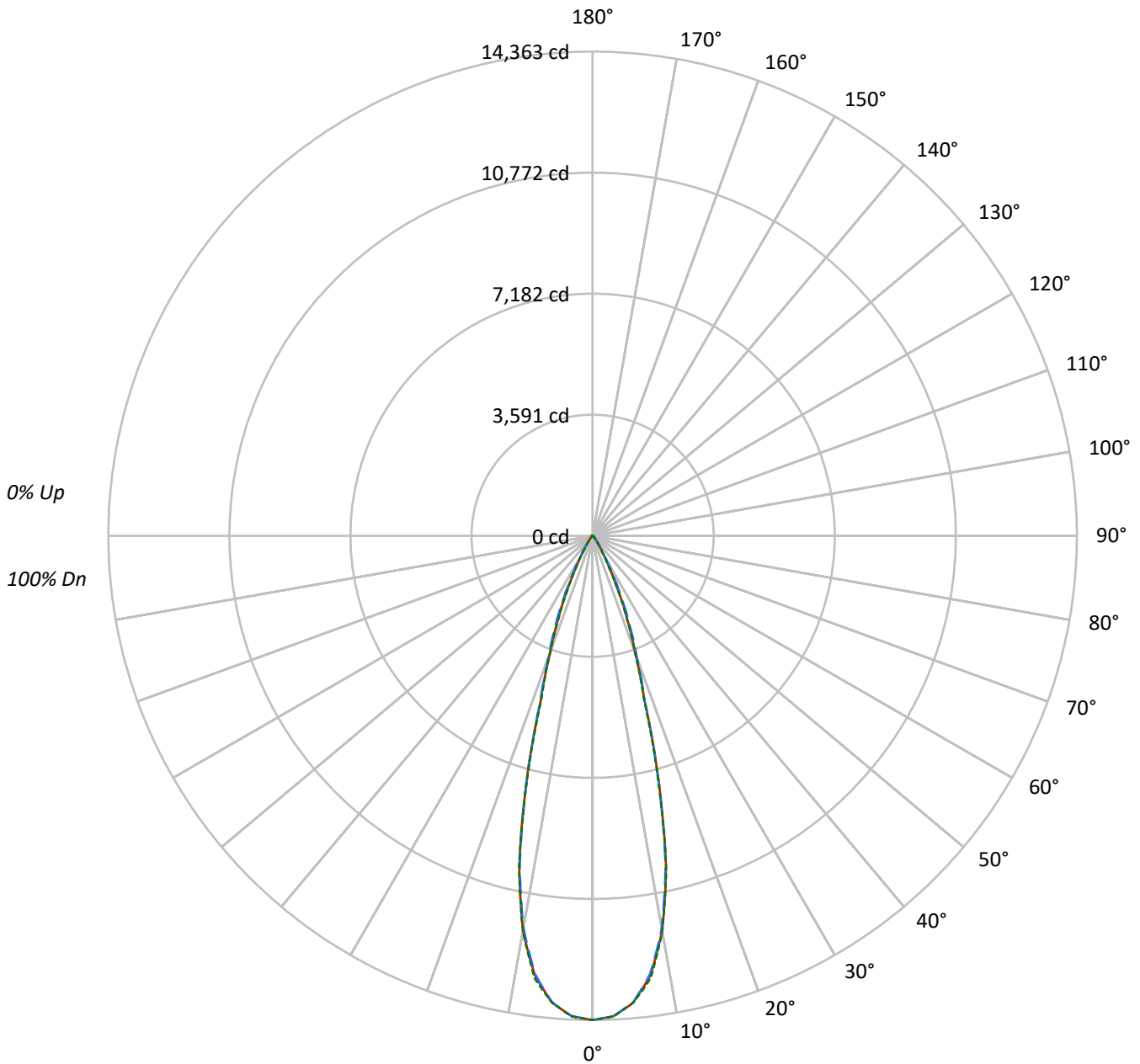
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1099377	1099377	1099377
5°	1067810	1066565	1067871
10°	924887	918366	924669
15°	603448	600207	597187
20°	300067	311324	299660
25°	151151	170450	148052
30°	60517	65944	52730
35°	28070	26883	22538
40°	12120	13459	11411
45°	8552	10608	8627
50°	2941	7728	3108
55°	1695	3203	1788
60°	1194	1408	1194
65°	761	761	761
70°	470	313	470
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10608 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1263.0	28.3
10°-20°	2034.1	45.5
20°-30°	879.0	19.7
30°-40°	200.3	4.5
40°-50°	68.8	1.5
50°-60°	16.8	0.4
60°-70°	4.3	0.1
70°-80°	0.5	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°	4176.0	93.5
0°-40°	4376.3	98.0
0°-60°	4461.9	99.9
0°-90°	4466.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4466.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14363	14363	14363	14363	14363	
5°	13897	13884	13881	13910	13898	1264
15°	7615	7523	7574	7550	7536	2039
25°	1790	1857	2018	1810	1753	857
35°	300	307	288	286	241	204
45°	79	98	98	98	80	56
55°	13	13	24	14	13	12
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14362.8	14362.8	14362.8	14362.8	14362.8
2.5°	14267.6	14257.7	14263.3	14270.4	14273.2
5°	13897.3	13883.9	13881.1	13910.0	13898.1
7.5°	13150.6	13131.5	13102.6	13168.2	13229.6
10°	11899.6	11878.5	11815.7	11846.7	11896.8
12.5°	10052.8	9984.4	9983.0	10081.7	10068.3
15°	7615.1	7523.4	7574.2	7549.5	7536.1
17.5°	5120.9	5085.6	5153.3	5132.9	5044.7
20°	3683.8	3692.9	3822.0	3757.1	3678.8
22.5°	2688.1	2721.2	2874.2	2707.1	2645.8
25°	1789.7	1857.4	2018.2	1810.2	1753.0
27.5°	1100.8	1131.8	1294.7	1086.7	1055.6
30°	684.7	669.2	746.1	640.3	596.6
32.5°	449.2	429.4	454.1	407.6	372.3
35°	300.4	306.7	287.7	285.6	241.2
37.5°	187.6	215.8	190.4	203.1	155.1
40°	121.3	156.5	134.7	148.8	114.2
42.5°	99.4	120.6	110.7	117.8	101.5
45°	79.0	98.0	98.0	98.0	79.7
47.5°	43.7	65.6	83.9	67.0	46.5
50°	24.7	33.1	64.9	34.6	26.1
52.5°	16.9	19.0	44.4	19.7	17.6
55°	12.7	13.4	24.0	14.1	13.4
57.5°	9.9	10.6	12.7	10.6	9.9
60°	7.8	7.8	9.2	8.5	7.8
62.5°	5.6	5.6	6.3	5.6	5.6
65°	4.2	4.2	4.2	4.2	4.2
67.5°	2.1	2.8	2.8	2.8	2.8
70°	2.1	1.4	1.4	1.4	2.1
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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