

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: P792310

Luminaire Tested: LER6D40BD010-EC6DR3040509030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792310
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-EC6DR3040509030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4374.2 lumens
Efficiency: N/A
Efficacy: 124.3 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

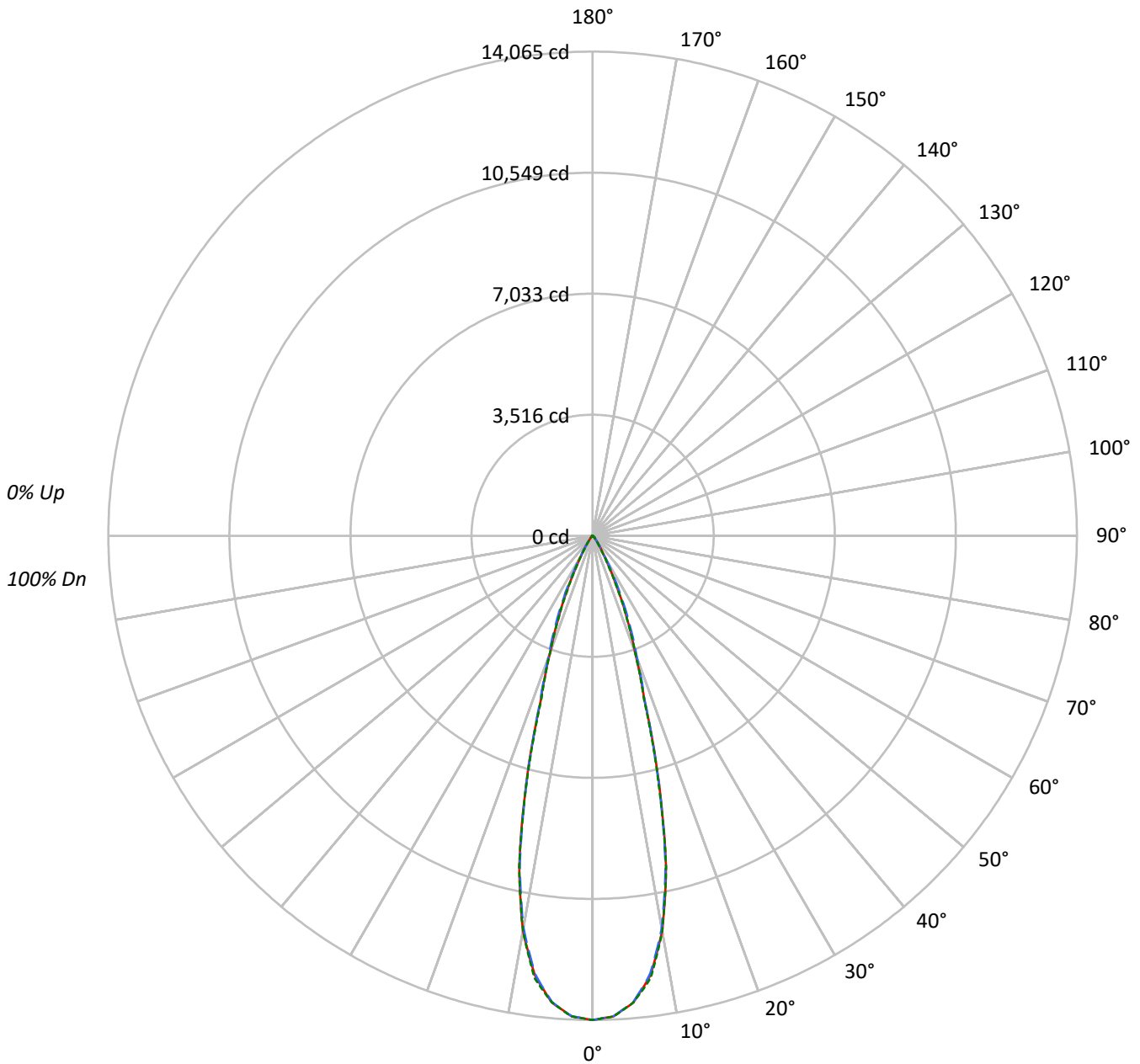


Downlight

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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°	1076591	1076591	1076591
5°	1045689	1044467	1045735
10°	905720	899331	905510
15°	590935	587765	584810
20°	293844	304873	293453
25°	148018	166919	144986
30°	59262	64574	51634
35°	27491	26323	22071
40°	11871	13179	11181
45°	8368	10392	8443
50°	2882	7562	3048
55°	1655	3136	1748
60°	1163	1378	1163
65°	743	743	743
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: 10392 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1236.8	28.3
10°-20°	1991.9	45.5
20°-30°	860.7	19.7
30°-40°	196.2	4.5
40°-50°	67.4	1.5
50°-60°	16.5	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°	4089.5	93.5
0°-40°	4285.6	98.0
0°-60°	4369.5	99.9
0°-90°	4374.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4374.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14065	14065	14065	14065	14065	
5°	13609	13596	13594	13622	13610	1238
15°	7457	7368	7417	7393	7380	1997
25°	1753	1819	1976	1773	1717	839
35°	294	300	282	280	236	200
45°	77	96	96	96	78	55
55°	12	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14065.1	14065.1	14065.1	14065.1	14065.1
2.5°	13971.9	13962.2	13967.7	13974.7	13977.4
5°	13609.4	13596.2	13593.5	13621.8	13610.0
7.5°	12878.1	12859.4	12831.1	12895.3	12955.4
10°	11653.0	11632.3	11570.8	11601.2	11650.3
12.5°	9844.5	9777.5	9776.1	9872.8	9859.7
15°	7457.2	7367.5	7417.2	7393.0	7379.9
17.5°	5014.8	4980.2	5046.5	5026.5	4940.2
20°	3607.4	3616.4	3742.8	3679.2	3602.6
22.5°	2632.4	2664.8	2814.7	2651.0	2590.9
25°	1752.6	1818.9	1976.4	1772.6	1716.7
27.5°	1077.9	1108.3	1267.8	1064.1	1033.8
30°	670.5	655.3	730.6	627.0	584.2
32.5°	439.9	420.5	444.7	399.1	364.6
35°	294.2	300.4	281.7	279.7	236.2
37.5°	183.7	211.3	186.4	198.9	151.9
40°	118.8	153.3	131.9	145.7	111.9
42.5°	97.4	118.1	108.4	115.3	99.4
45°	77.3	96.0	96.0	96.0	78.0
47.5°	42.8	64.2	82.2	65.6	45.6
50°	24.2	32.5	63.5	33.8	25.6
52.5°	16.6	18.6	43.5	19.3	17.3
55°	12.4	13.1	23.5	13.8	13.1
57.5°	9.7	10.4	12.4	10.4	9.7
60°	7.6	7.6	9.0	8.3	7.6
62.5°	5.5	5.5	6.2	5.5	5.5
65°	4.1	4.1	4.1	4.1	4.1
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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(END OF REPORT)