

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: P792333

Luminaire Tested: LER6D40BD010-EC6DR3040509050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792333
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-EC6DR3040509050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5147.5 lumens
Efficiency: N/A
Efficacy: 146.2 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

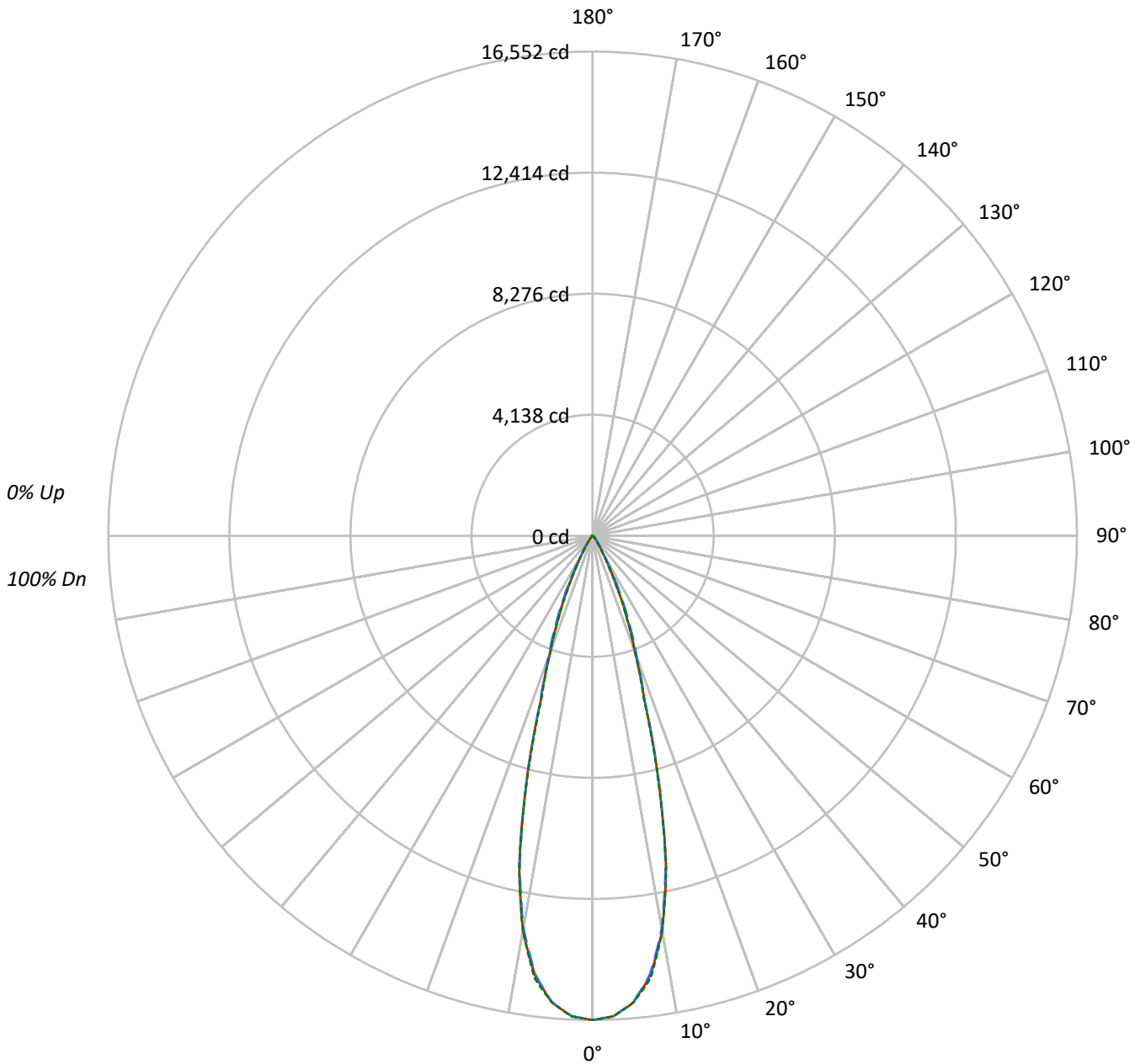


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1266923	1266923	1266923
5°	1230556	1229119	1230617
10°	1065848	1058332	1065591
15°	695410	691677	688199
20°	345796	358772	345332
25°	174191	196428	170619
30°	69744	75993	60764
35°	32350	30985	25968
40°	13969	15508	13150
45°	9851	12232	9937
50°	3382	8907	3584
55°	1948	3683	2055
60°	1362	1623	1362
65°	887	887	887
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12232 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1455.5	28.3
10°-20°	2344.0	45.5
20°-30°	1012.9	19.7
30°-40°	230.9	4.5
40°-50°	79.3	1.5
50°-60°	19.4	0.4
60°-70°	5.0	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°	4812.5	93.5
0°-40°	5043.3	98.0
0°-60°	5142.0	99.9
0°-90°	5147.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5147.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16552	16552	16552	16552	16552	
5°	16015	16000	15997	16030	16016	1457
15°	8776	8670	8728	8700	8685	2350
25°	2062	2140	2326	2086	2020	987
35°	346	354	332	329	278	235
45°	91	113	113	113	92	65
55°	15	15	28	16	15	14
65°	5	5	5	5	5	5
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°	16551.7	16551.7	16551.7	16551.7	16551.7
2.5°	16442.0	16430.6	16437.1	16445.2	16448.5
5°	16015.4	15999.9	15996.7	16030.0	16016.2
7.5°	15154.8	15132.8	15099.5	15175.1	15245.8
10°	13713.2	13688.8	13616.5	13652.2	13709.9
12.5°	11584.9	11506.1	11504.4	11618.2	11602.8
15°	8775.6	8670.0	8728.5	8700.0	8684.6
17.5°	5901.3	5860.7	5938.7	5915.1	5813.6
20°	4245.2	4255.8	4404.5	4329.7	4239.5
22.5°	3097.8	3135.9	3312.3	3119.7	3049.0
25°	2062.5	2140.5	2325.8	2086.0	2020.2
27.5°	1268.5	1304.3	1492.0	1252.3	1216.5
30°	789.1	771.2	859.8	737.9	687.5
32.5°	517.6	494.9	523.3	469.7	429.1
35°	346.2	353.5	331.6	329.1	277.9
37.5°	216.2	248.7	219.4	234.0	178.8
40°	139.8	180.4	155.2	171.5	131.6
42.5°	114.6	139.0	127.6	135.7	117.0
45°	91.0	113.0	113.0	113.0	91.8
47.5°	50.4	75.6	96.7	77.2	53.6
50°	28.4	38.2	74.8	39.8	30.1
52.5°	19.5	21.9	51.2	22.8	20.3
55°	14.6	15.4	27.6	16.3	15.4
57.5°	11.4	12.2	14.6	12.2	11.4
60°	8.9	8.9	10.6	9.8	8.9
62.5°	6.5	6.5	7.3	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.4	3.3	3.3	3.3	3.3
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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