

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: P792334

Luminaire Tested: LER6D40BD010-EC6DR3040509050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792334
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-EC6DR3040509050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4659.9 lumens
Efficiency: N/A
Efficacy: 132.4 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

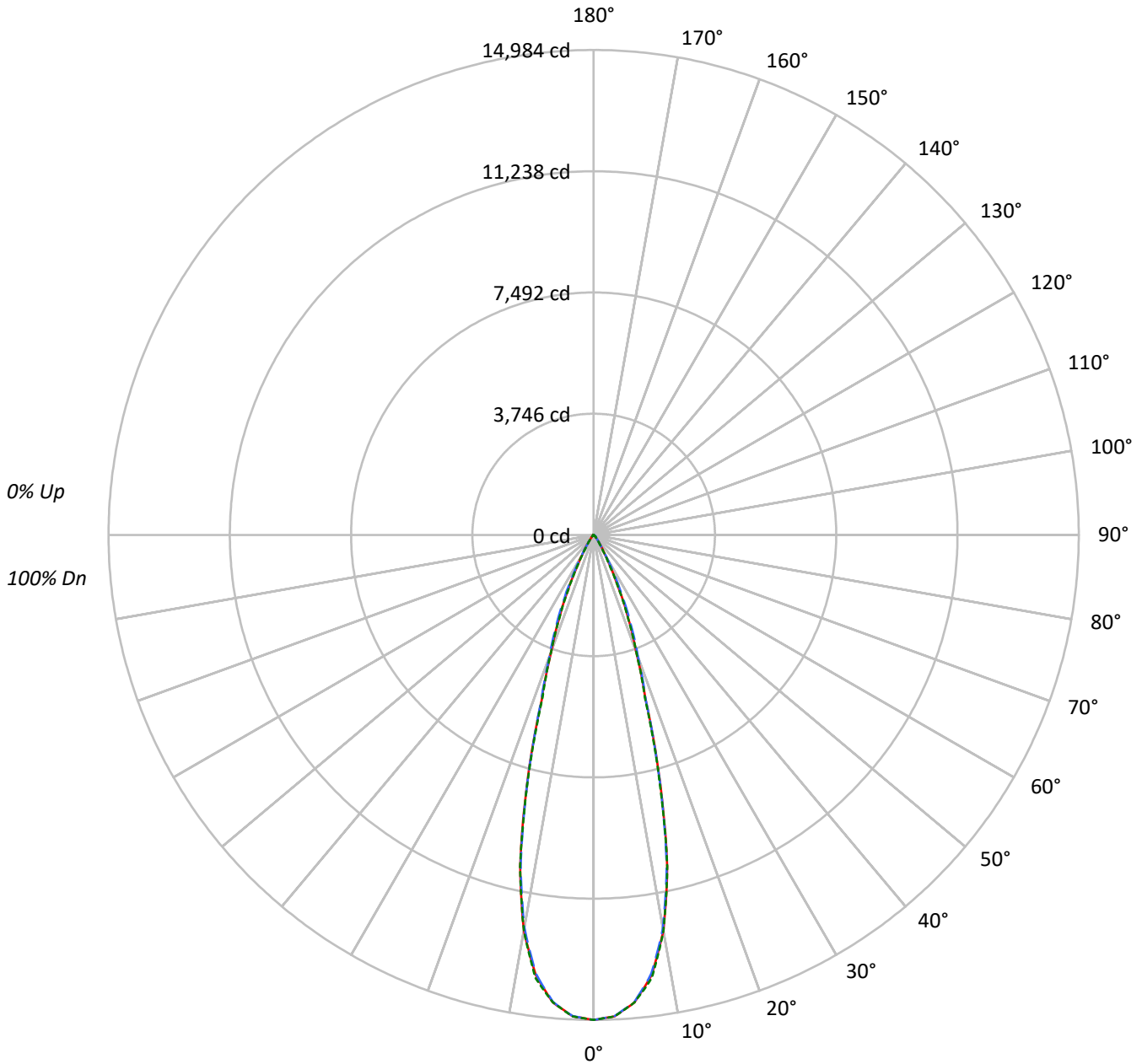


Downlight

TEST NUMBER: P792334

CATALOG NUMBER: LER6D40BD010-EC6DR3040509050-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P792334

CATALOG NUMBER: LER6D40BD010-EC6DR3040509050-6LBS1MW

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																			
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°	1146926	1146926	1146926
5°	1114004	1112705	1114057
10°	964899	958091	964666
15°	629550	626167	623021
20°	313043	324789	312627
25°	157688	177823	154462
30°	63133	68790	55011
35°	29285	28051	23510
40°	12640	14039	11911
45°	8920	11074	8995
50°	3060	8062	3239
55°	1762	3336	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11074 cd/sqm



TEST NUMBER: P792334

CATALOG NUMBER: LER6D40BD010-EC6DR3040509050-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1317.6	28.3
10°-20°	2122.0	45.5
20°-30°	917.0	19.7
30°-40°	209.0	4.5
40°-50°	71.8	1.5
50°-60°	17.5	0.4
60°-70°	4.5	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°	4356.6	93.5
0°-40°	4565.6	98.0
0°-60°	4654.9	99.9
0°-90°	4659.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4659.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14984	14984	14984	14984	14984	
5°	14498	14484	14482	14512	14499	1319
15°	7944	7849	7902	7876	7862	2127
25°	1867	1938	2106	1888	1829	894
35°	313	320	300	298	252	213
45°	82	102	102	102	83	58
55°	13	14	25	15	14	13
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



TEST NUMBER: P792334

CATALOG NUMBER: LER6D40BD010-EC6DR3040509050-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14984.0	14984.0	14984.0	14984.0	14984.0
2.5°	14884.7	14874.4	14880.3	14887.7	14890.6
5°	14498.5	14484.5	14481.6	14511.7	14499.2
7.5°	13719.4	13699.6	13669.4	13737.8	13801.8
10°	12414.4	12392.3	12326.8	12359.2	12411.4
12.5°	10487.6	10416.3	10414.8	10517.8	10503.8
15°	7944.5	7848.8	7901.8	7876.0	7862.1
17.5°	5342.4	5305.6	5376.2	5354.9	5263.0
20°	3843.1	3852.7	3987.3	3919.6	3838.0
22.5°	2804.4	2838.9	2998.6	2824.2	2760.2
25°	1867.1	1937.7	2105.5	1888.5	1828.9
27.5°	1148.4	1180.7	1350.7	1133.7	1101.3
30°	714.3	698.1	778.3	668.0	622.4
32.5°	468.6	448.0	473.8	425.2	388.4
35°	313.4	320.0	300.2	297.9	251.6
37.5°	195.7	225.1	198.6	211.9	161.8
40°	126.5	163.3	140.5	155.2	119.2
42.5°	103.7	125.8	115.5	122.9	105.9
45°	82.4	102.3	102.3	102.3	83.1
47.5°	45.6	68.4	87.5	69.9	48.6
50°	25.7	34.6	67.7	36.0	27.2
52.5°	17.7	19.9	46.3	20.6	18.4
55°	13.2	14.0	25.0	14.7	14.0
57.5°	10.3	11.0	13.2	11.0	10.3
60°	8.1	8.1	9.6	8.8	8.1
62.5°	5.9	5.9	6.6	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	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

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





— 0°-180° - - 45°-225° - - - 90°-270°

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



(END OF REPORT)