

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: P792304

Luminaire Tested: LER6D40BD010-EC6DR3040509030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792304
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-EC6DR3040509030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4371.7 lumens
Efficiency: N/A
Efficacy: 124.2 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

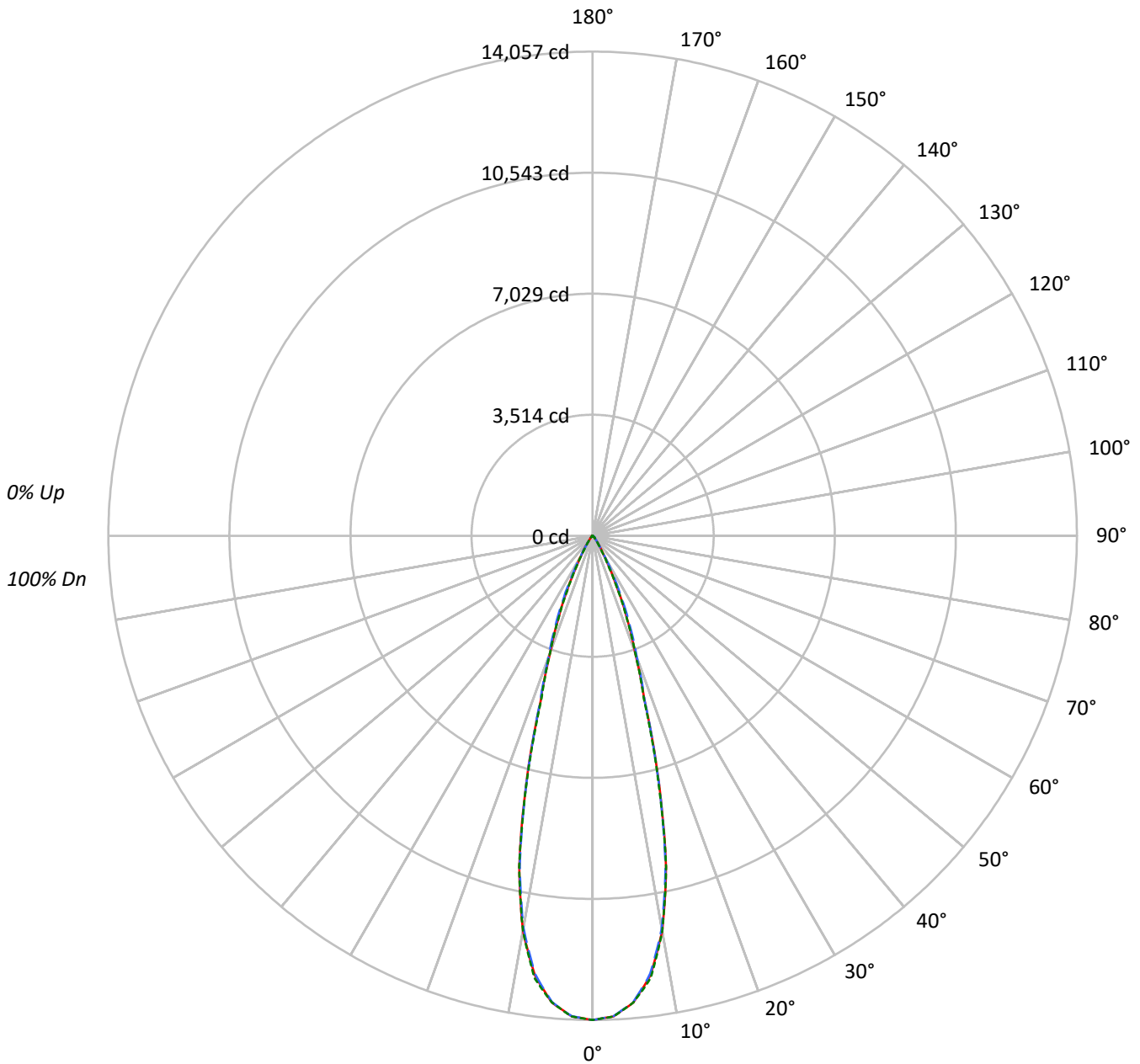


Downlight

TEST NUMBER: P792304

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P792304

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1H

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°	1075971	1075971	1075971
5°	1045082	1043860	1045128
10°	905199	898810	904982
15°	590594	587425	584469
20°	293673	304693	293282
25°	147934	166818	144902
30°	59227	64539	51608
35°	27472	26313	22052
40°	11861	13169	11171
45°	8368	10381	8443
50°	2882	7562	3037
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: 10381 cd/sqm



TEST NUMBER: P792304

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1236.1	28.3
10°-20°	1990.7	45.5
20°-30°	860.3	19.7
30°-40°	196.1	4.5
40°-50°	67.3	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°	4087.1	93.5
0°-40°	4283.2	98.0
0°-60°	4366.9	99.9
0°-90°	4371.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4371.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14057	14057	14057	14057	14057	
5°	13602	13588	13586	13614	13602	1237
15°	7453	7363	7413	7389	7376	1996
25°	1752	1818	1975	1772	1716	838
35°	294	300	282	280	236	199
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	0



TEST NUMBER: P792304

CATALOG NUMBER: LER6D40BD010-EC6DR3040509030-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14057.0	14057.0	14057.0	14057.0	14057.0
2.5°	13963.8	13954.1	13959.6	13966.5	13969.3
5°	13601.5	13588.3	13585.6	13613.9	13602.1
7.5°	12870.6	12852.0	12823.7	12887.8	12947.9
10°	11646.3	11625.6	11564.1	11594.5	11643.5
12.5°	9838.8	9771.8	9770.4	9867.1	9853.9
15°	7452.9	7363.2	7412.9	7388.7	7375.6
17.5°	5011.9	4977.4	5043.6	5023.6	4937.3
20°	3605.3	3614.3	3740.6	3677.1	3600.5
22.5°	2630.8	2663.3	2813.0	2649.5	2589.4
25°	1751.6	1817.9	1975.2	1771.6	1715.7
27.5°	1077.3	1107.7	1267.1	1063.5	1033.2
30°	670.1	655.0	730.2	626.7	583.9
32.5°	439.6	420.3	444.5	398.9	364.4
35°	294.0	300.2	281.6	279.5	236.0
37.5°	183.6	211.2	186.3	198.8	151.8
40°	118.7	153.2	131.8	145.6	111.8
42.5°	97.3	118.0	108.4	115.3	99.4
45°	77.3	95.9	95.9	95.9	78.0
47.5°	42.8	64.2	82.1	65.6	45.5
50°	24.2	32.4	63.5	33.8	25.5
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

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)