

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: P790637

Luminaire Tested: LER6D25D010-EC6DR1515309035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR1515309035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3341.5 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 25.1
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

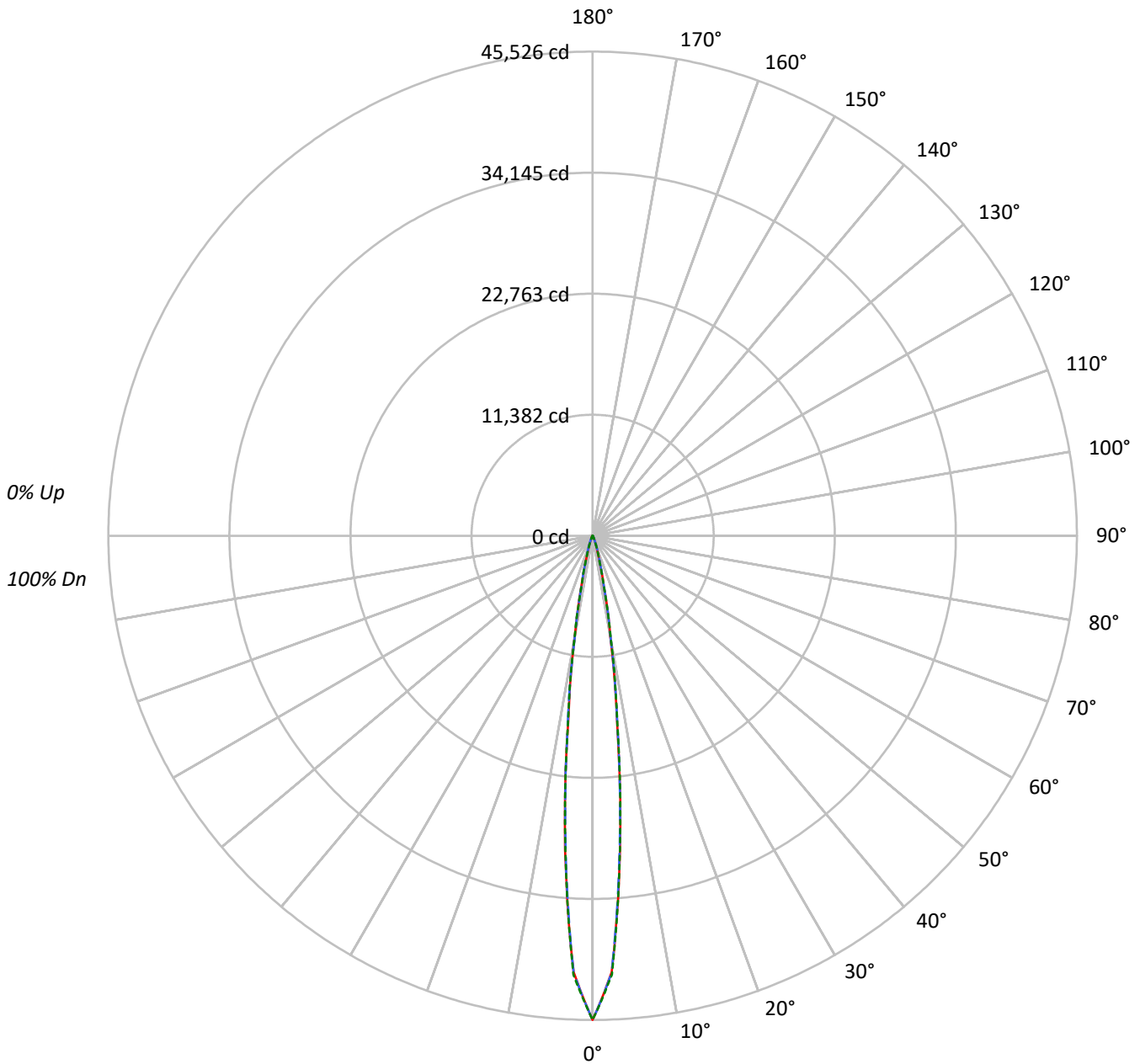


Downlight

TEST NUMBER: P790637

CATALOG NUMBER: LER6D25D010-EC6DR1515309035-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P790637

CATALOG NUMBER: LER6D25D010-EC6DR1515309035-6LBS1LI

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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5122606	5122606	5122606
5°	3010279	2971304	2994811
10°	898431	904720	918567
15°	223474	227825	220799
20°	66866	77429	68281
25°	23573	30031	23869
30°	8656	11404	8806
35°	4335	4902	4197
40°	2734	3011	2734
45°	2023	2156	2023
50°	1606	1606	1606
55°	1343	1343	1343
60°	1081	1081	1081
65°	828	828	828
70°	702	702	702
75°	438	438	582
80°	307	307	307
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2156 cd/sqm



TEST NUMBER: P790637

CATALOG NUMBER: LER6D25D010-EC6DR1515309035-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2167.1	64.9
10°-20°	891.4	26.7
20°-30°	177.1	5.3
30°-40°	44.2	1.3
40°-50°	23.2	0.7
50°-60°	17.2	0.5
60°-70°	12.2	0.4
70°-80°	6.9	0.2
80°-90°	2.1	0.1
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°	3235.6	96.8
0°-40°	3279.8	98.2
0°-60°	3320.2	99.4
0°-90°	3341.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3341.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	45526	45526	45526	45526	45526	
5°	29620	29316	29237	29439	29468	2163
15°	2573	2621	2623	2577	2542	882
25°	303	343	386	341	306	159
35°	60	64	68	64	58	41
45°	29	29	31	29	29	23
55°	19	19	19	19	19	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P790637

CATALOG NUMBER: LER6D25D010-EC6DR1515309035-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	45526.2	45526.2	45526.2	45526.2	45526.2
2.5°	41066.4	41101.1	41114.6	41155.1	41305.4
5°	29620.3	29315.8	29236.8	29439.2	29468.1
7.5°	17545.9	17607.6	17833.1	17883.2	17702.1
10°	9628.7	9707.7	9696.1	9765.5	9844.5
12.5°	4924.2	4862.5	4843.3	4922.3	4812.4
15°	2572.9	2621.1	2623.0	2576.8	2542.1
17.5°	1383.8	1439.7	1532.2	1457.0	1341.4
20°	817.2	867.3	946.3	884.6	834.5
22.5°	504.9	545.4	601.3	553.1	512.7
25°	302.6	343.1	385.5	341.1	306.4
27.5°	179.2	213.9	240.9	212.0	177.3
30°	115.6	134.9	152.3	133.0	117.6
32.5°	80.9	88.7	96.4	88.7	80.9
35°	59.7	63.6	67.5	63.6	57.8
37.5°	46.3	50.1	52.0	48.2	44.3
40°	38.5	40.5	42.4	40.5	38.5
42.5°	32.8	34.7	34.7	34.7	32.8
45°	28.9	28.9	30.8	28.9	28.9
47.5°	25.1	25.1	27.0	25.1	25.1
50°	23.1	23.1	23.1	23.1	23.1
52.5°	21.2	21.2	21.2	21.2	21.2
55°	19.3	19.3	19.3	19.3	19.3
57.5°	17.3	17.3	17.3	17.3	17.3
60°	15.4	15.4	15.4	15.4	15.4
62.5°	13.5	13.5	13.5	13.5	13.5
65°	11.6	11.6	11.6	11.6	11.6
67.5°	11.6	11.6	11.6	11.6	11.6
70°	9.6	9.6	9.6	9.6	9.6
72.5°	7.7	7.7	7.7	7.7	7.7
75°	5.8	5.8	5.8	5.8	7.7
77.5°	5.8	5.8	5.8	5.8	5.8
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	1.9	1.9	1.9	1.9	1.9
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)