

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: P761237

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761237
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: LD6D15D010-EU6DR300215IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1443.0 lumens
Efficiency: N/A
Efficacy: 91.3 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): 15.8
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



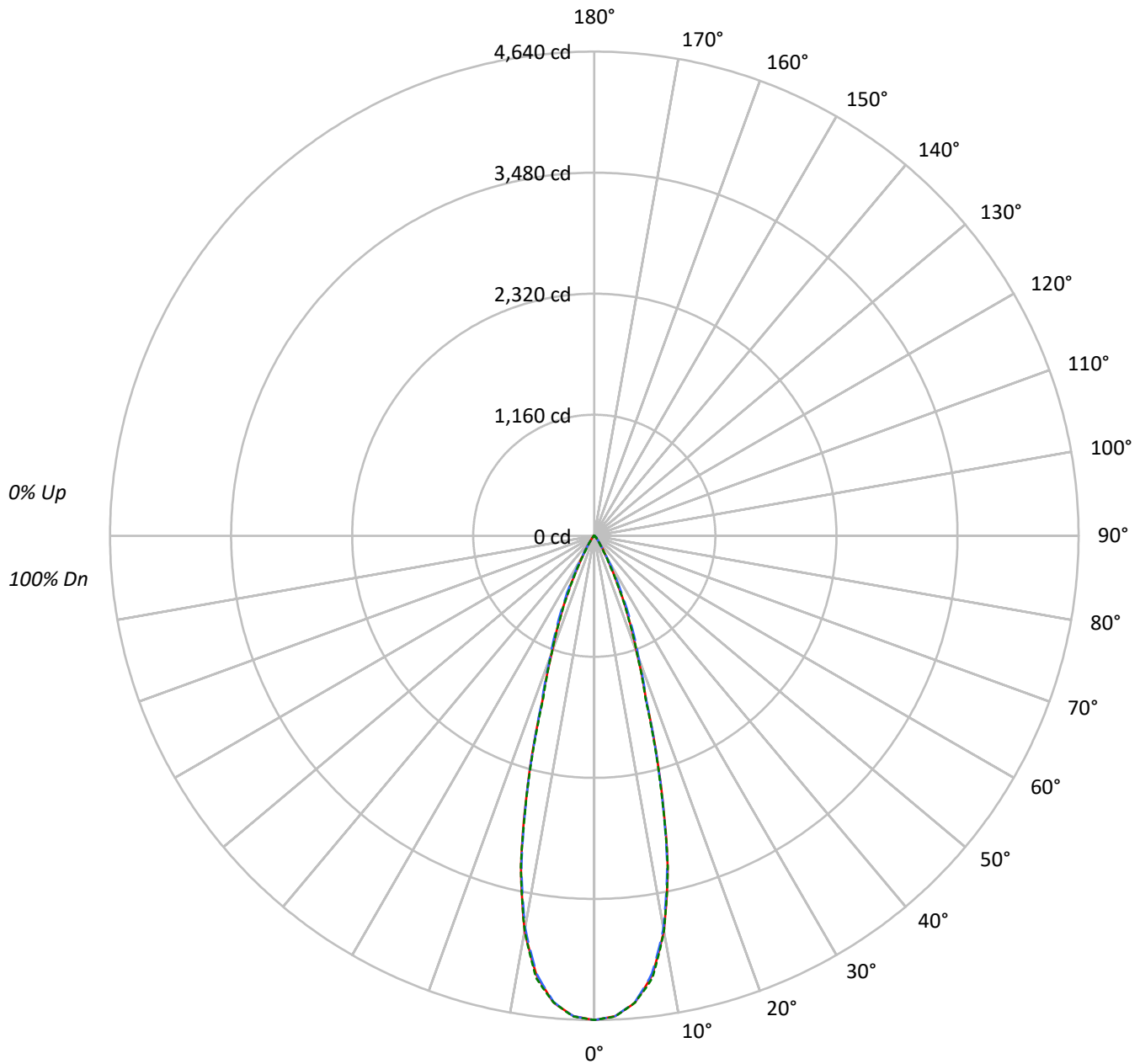
Downlight



TEST NUMBER: P761237

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P761237

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	355154	355154	355154
5°	344954	344555	344977
10°	298787	296681	298710
15°	194939	193893	192918
20°	96932	100573	96802
25°	48833	55066	47828
30°	19551	21301	17032
35°	9073	8681	7279
40°	3917	4347	3687
45°	2760	3431	2782
50°	953	2501	1000
55°	547	1028	587
60°	383	459	383
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3431 cd/sqm

TEST NUMBER: P761237

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.0	28.3
10°-20°	657.1	45.5
20°-30°	284.0	19.7
30°-40°	64.7	4.5
40°-50°	22.2	1.5
50°-60°	5.4	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	1349.1	93.5
0°-40°	1413.8	98.0
0°-60°	1441.4	99.9
0°-90°	1443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4640	4640	4640	4640	4640	
5°	4490	4485	4484	4494	4490	408
15°	2460	2430	2447	2439	2434	659
25°	578	600	652	585	566	277
35°	97	99	93	92	78	66
45°	26	32	32	32	26	18
55°	4	4	8	5	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

TEST NUMBER: P761237

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4639.9	4639.9	4639.9	4639.9	4639.9
2.5°	4609.1	4606.0	4607.7	4610.0	4610.9
5°	4489.5	4485.2	4484.3	4493.6	4489.8
7.5°	4248.3	4242.1	4232.8	4254.0	4273.8
10°	3844.2	3837.3	3817.1	3827.1	3843.2
12.5°	3247.5	3225.4	3225.0	3256.9	3252.5
15°	2460.0	2430.4	2446.8	2438.8	2434.5
17.5°	1654.3	1642.9	1664.8	1658.2	1629.7
20°	1190.0	1193.0	1234.7	1213.7	1188.4
22.5°	868.4	879.1	928.5	874.6	854.7
25°	578.2	600.1	652.0	584.8	566.3
27.5°	355.6	365.6	418.3	351.0	341.0
30°	221.2	216.2	241.0	206.8	192.7
32.5°	145.1	138.7	146.7	131.7	120.3
35°	97.1	99.1	92.9	92.2	77.9
37.5°	60.6	69.7	61.5	65.6	50.1
40°	39.2	50.6	43.5	48.1	36.9
42.5°	32.1	39.0	35.8	38.0	32.8
45°	25.5	31.7	31.7	31.7	25.7
47.5°	14.2	21.2	27.1	21.7	15.0
50°	8.0	10.7	21.0	11.2	8.4
52.5°	5.4	6.1	14.3	6.4	5.7
55°	4.1	4.4	7.7	4.6	4.4
57.5°	3.2	3.4	4.1	3.4	3.2
60°	2.5	2.5	3.0	2.8	2.5
62.5°	1.8	1.8	2.1	1.8	1.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)