

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: P761236

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761236
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-EU6DR300215IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1304.3 lumens
Efficiency: N/A
Efficacy: 82.5 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 (Ain): 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



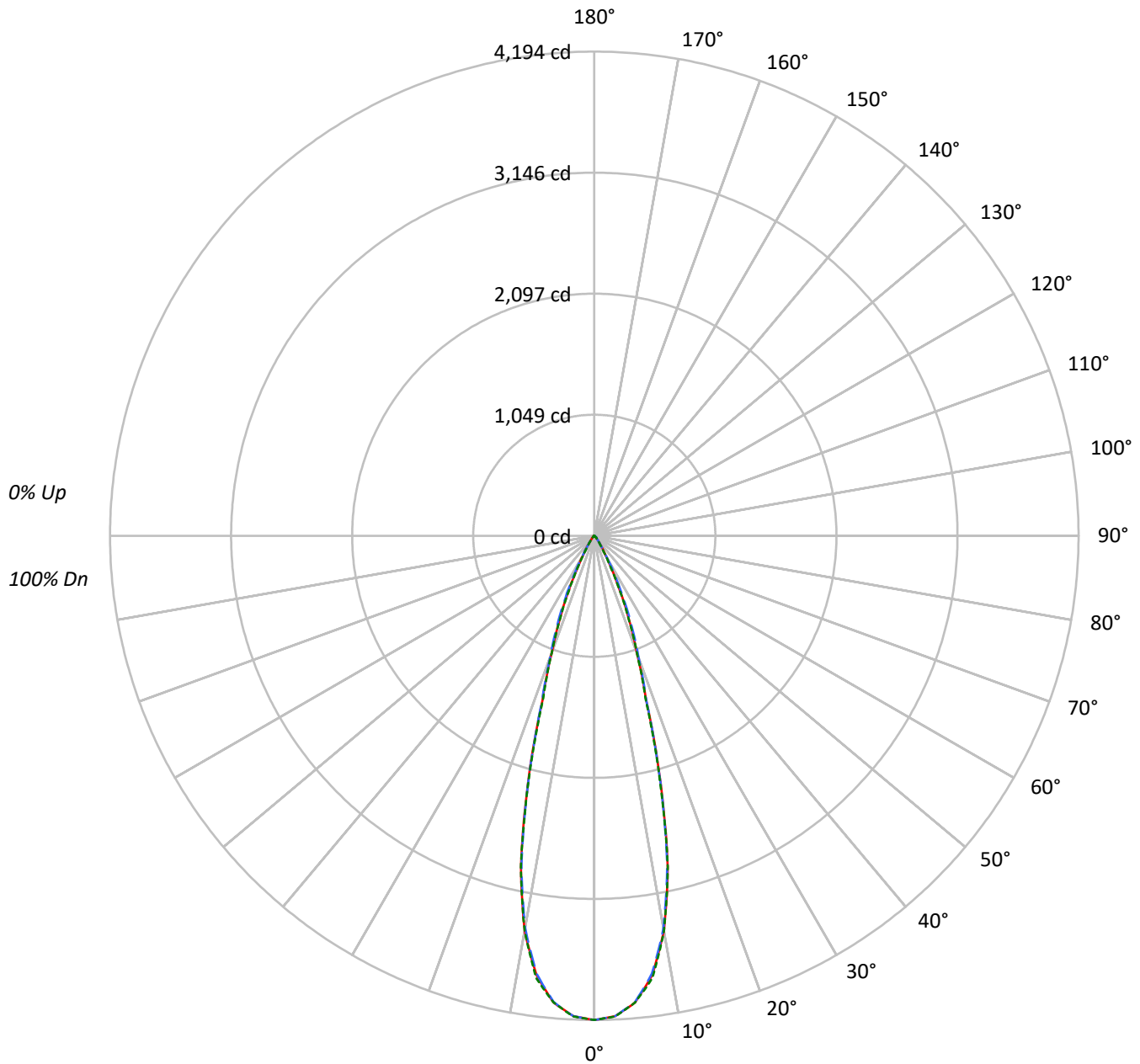
Downlight



TEST NUMBER: P761236

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBDP1MW

Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	321015	321015	321015
5°	311800	311431	311815
10°	270068	268156	269998
15°	176206	175255	174375
20°	87622	90905	87500
25°	44137	49770	43233
30°	17677	19250	15397
35°	8195	7849	6578
40°	3537	3927	3327
45°	2501	3096	2522
50°	857	2263	905
55°	494	934	520
60°	352	413	352
65°	235	235	235
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.8	28.3
10°-20°	593.9	45.5
20°-30°	256.7	19.7
30°-40°	58.5	4.5
40°-50°	20.1	1.5
50°-60°	4.9	0.4
60°-70°	1.3	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°	1219.4	93.5
0°-40°	1277.9	98.0
0°-60°	1302.9	99.9
0°-90°	1304.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4194	4194	4194	4194	4194	
5°	4058	4054	4053	4062	4058	369
15°	2224	2197	2212	2204	2200	595
25°	523	542	589	528	512	250
35°	88	90	84	83	70	59
45°	23	29	29	29	23	16
55°	4	4	7	4	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4193.9	4193.9	4193.9	4193.9	4193.9
2.5°	4166.0	4163.2	4164.8	4166.9	4167.7
5°	4058.0	4054.0	4053.2	4061.6	4058.2
7.5°	3839.9	3834.4	3825.9	3845.1	3862.9
10°	3474.7	3468.5	3450.1	3459.2	3473.8
12.5°	2935.4	2915.4	2915.0	2943.8	2939.9
15°	2223.6	2196.8	2211.6	2204.4	2200.5
17.5°	1495.3	1485.0	1504.7	1498.8	1473.1
20°	1075.7	1078.3	1116.0	1097.1	1074.2
22.5°	784.9	794.6	839.3	790.4	772.6
25°	522.6	542.4	589.3	528.5	511.9
27.5°	321.4	330.5	378.0	317.3	308.2
30°	200.0	195.4	217.8	187.0	174.2
32.5°	131.1	125.4	132.6	119.0	108.7
35°	87.7	89.6	84.0	83.4	70.4
37.5°	54.8	63.0	55.6	59.3	45.3
40°	35.4	45.7	39.3	43.4	33.3
42.5°	29.0	35.2	32.3	34.4	29.7
45°	23.1	28.6	28.6	28.6	23.3
47.5°	12.8	19.1	24.5	19.5	13.6
50°	7.2	9.7	19.0	10.1	7.6
52.5°	4.9	5.6	12.9	5.8	5.2
55°	3.7	3.9	7.0	4.1	3.9
57.5°	2.9	3.1	3.7	3.1	2.9
60°	2.3	2.3	2.7	2.5	2.3
62.5°	1.7	1.7	1.8	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	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)