

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: P761200

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761200
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-EU6DR300215IC9030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1346.0 lumens
Efficiency: N/A
Efficacy: 85.2 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): 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



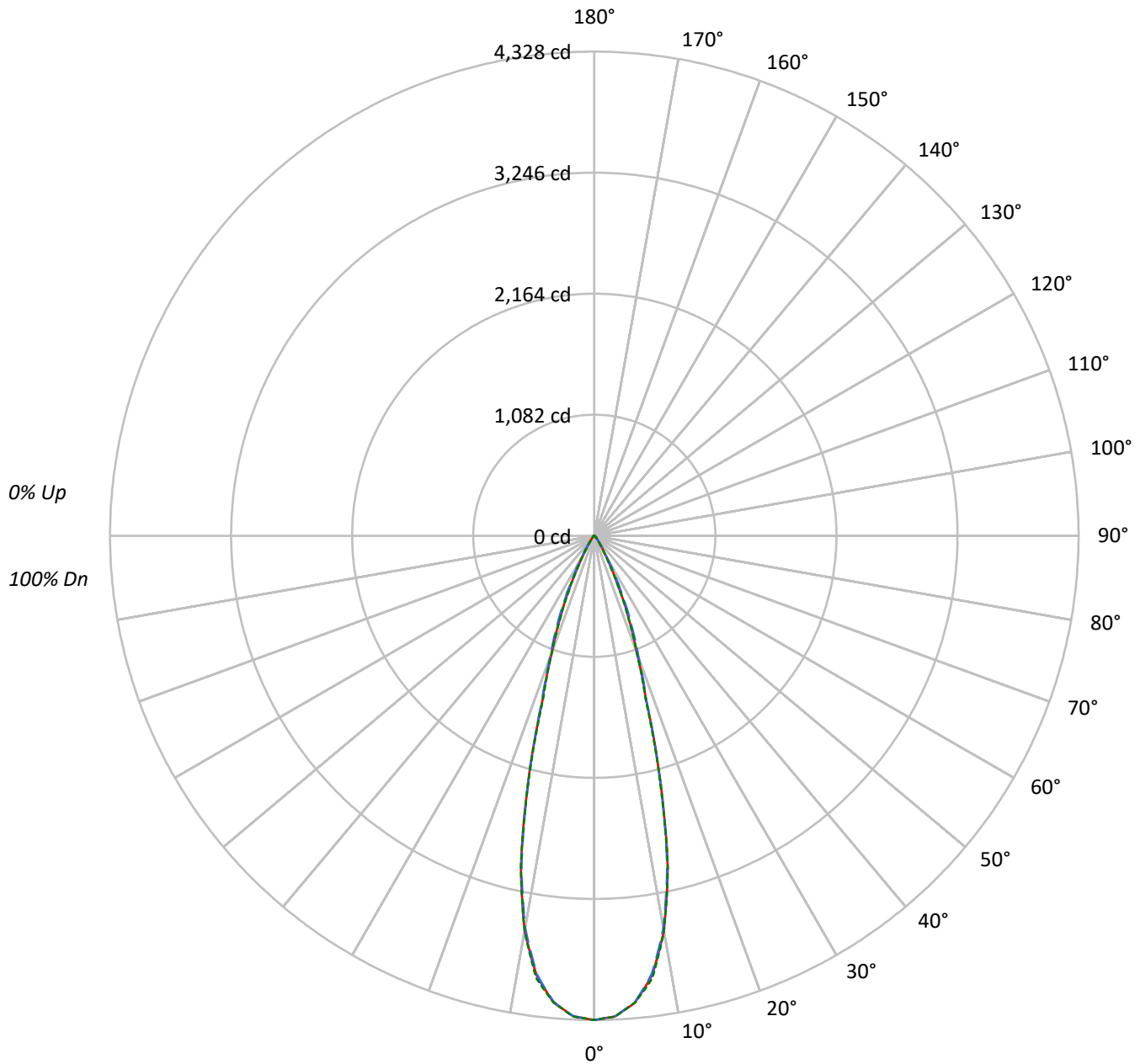
Downlight



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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					0
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°	331280	331280	331280
5°	321765	321389	321781
10°	278696	276729	278633
15°	181840	180858	179946
20°	90416	93813	90294
25°	45547	51358	44618
30°	18234	19869	15892
35°	8457	8101	6793
40°	3657	4057	3437
45°	2576	3204	2598
50°	881	2322	929
55°	507	961	534
60°	352	429	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: 3204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.6	28.3
10°-20°	612.9	45.5
20°-30°	264.9	19.7
30°-40°	60.4	4.5
40°-50°	20.7	1.5
50°-60°	5.1	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°	1258.4	93.5
0°-40°	1318.7	98.0
0°-60°	1344.5	99.9
0°-90°	1346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4328	4328	4328	4328	4328	
5°	4188	4184	4183	4192	4188	381
15°	2295	2267	2282	2275	2271	614
25°	539	560	608	545	528	258
35°	90	92	87	86	73	61
45°	24	30	30	30	24	17
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°	4328.0	4328.0	4328.0	4328.0	4328.0
2.5°	4299.3	4296.3	4298.0	4300.1	4301.0
5°	4187.7	4183.7	4182.8	4191.5	4187.9
7.5°	3962.7	3957.0	3948.2	3968.0	3986.5
10°	3585.7	3579.3	3560.4	3569.8	3584.9
12.5°	3029.2	3008.6	3008.2	3038.0	3033.9
15°	2294.7	2267.1	2282.3	2274.9	2270.8
17.5°	1543.1	1532.5	1552.9	1546.7	1520.2
20°	1110.0	1112.8	1151.7	1132.2	1108.5
22.5°	810.0	820.0	866.1	815.8	797.3
25°	539.3	559.7	608.1	545.4	528.3
27.5°	331.7	341.0	390.1	327.4	318.1
30°	206.3	201.7	224.8	192.9	179.8
32.5°	135.3	129.4	136.8	122.8	112.2
35°	90.5	92.4	86.7	86.1	72.7
37.5°	56.6	65.0	57.4	61.2	46.8
40°	36.6	47.2	40.6	44.9	34.4
42.5°	30.0	36.3	33.3	35.5	30.6
45°	23.8	29.6	29.6	29.6	24.0
47.5°	13.2	19.8	25.3	20.2	14.0
50°	7.4	10.0	19.5	10.4	7.8
52.5°	5.1	5.7	13.4	6.0	5.3
55°	3.8	4.0	7.2	4.2	4.0
57.5°	3.0	3.2	3.8	3.2	3.0
60°	2.3	2.3	2.8	2.6	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
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)