

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: P761964

Luminaire Tested: LD6D20D010-EU6DR1515309035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761964
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: LD6D20D010-EU6DR1515309035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1925.7 lumens
Efficiency: N/A
Efficacy: 83.4 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): 23.1
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



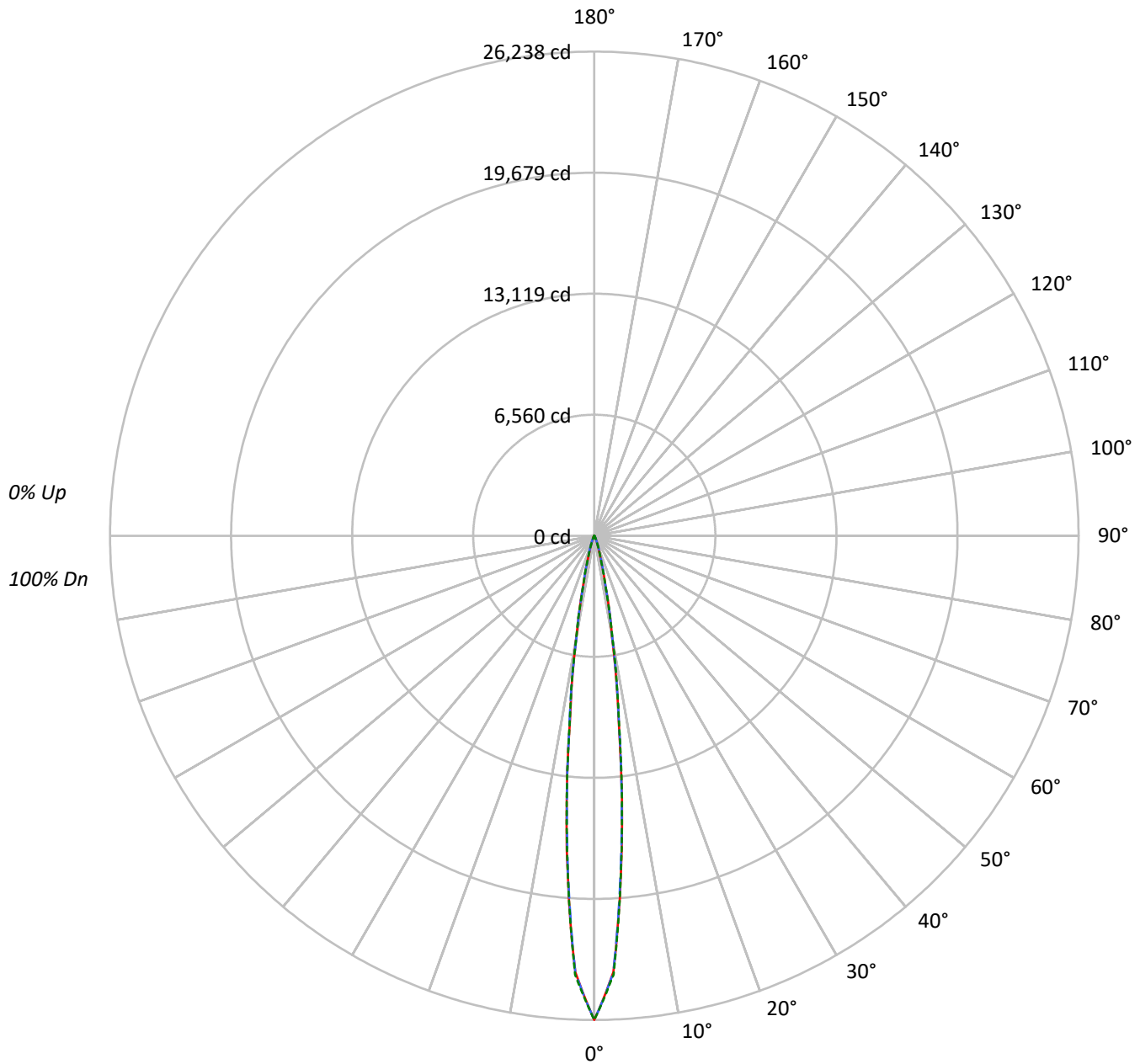
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2952276	2952276	2952276
5°	1734897	1712427	1725974
10°	517782	521412	529390
15°	128791	131301	127254
20°	38539	44626	39349
25°	13586	17302	13757
30°	4987	6567	5077
35°	2498	2825	2418
40°	1577	1733	1577
45°	1169	1246	1169
50°	925	925	925
55°	773	773	773
60°	625	625	625
65°	478	478	478
70°	410	410	410
75°	249	249	333
80°	173	173	173
85°	91	91	91

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1249.0	64.9
10°-20°	513.7	26.7
20°-30°	102.0	5.3
30°-40°	25.5	1.3
40°-50°	13.4	0.7
50°-60°	9.9	0.5
60°-70°	7.0	0.4
70°-80°	4.0	0.2
80°-90°	1.2	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°	1864.7	96.8
0°-40°	1890.2	98.2
0°-60°	1913.5	99.4
0°-90°	1925.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1925.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26238	26238	26238	26238	26238	
5°	17071	16895	16850	16966	16983	1247
15°	1483	1511	1512	1485	1465	508
25°	174	198	222	197	177	92
35°	34	37	39	37	33	23
45°	17	17	18	17	17	13
55°	11	11	11	11	11	10
65°	7	7	7	7	7	7
75°	3	3	3	3	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26237.8	26237.8	26237.8	26237.8	26237.8
2.5°	23667.5	23687.5	23695.3	23718.6	23805.2
5°	17070.9	16895.4	16849.8	16966.5	16983.1
7.5°	10112.1	10147.7	10277.6	10306.5	10202.1
10°	5549.2	5594.8	5588.1	5628.1	5673.6
12.5°	2837.9	2802.4	2791.3	2836.8	2773.5
15°	1482.8	1510.6	1511.7	1485.1	1465.1
17.5°	797.5	829.7	883.0	839.7	773.1
20°	471.0	499.8	545.4	509.8	480.9
22.5°	291.0	314.3	346.5	318.8	295.5
25°	174.4	197.7	222.1	196.6	176.6
27.5°	103.3	123.3	138.8	122.2	102.2
30°	66.6	77.8	87.7	76.6	67.8
32.5°	46.7	51.1	55.5	51.1	46.7
35°	34.4	36.7	38.9	36.7	33.3
37.5°	26.7	28.9	30.0	27.8	25.5
40°	22.2	23.3	24.4	23.3	22.2
42.5°	18.9	20.0	20.0	20.0	18.9
45°	16.7	16.7	17.8	16.7	16.7
47.5°	14.4	14.4	15.6	14.4	14.4
50°	13.3	13.3	13.3	13.3	13.3
52.5°	12.2	12.2	12.2	12.2	12.2
55°	11.1	11.1	11.1	11.1	11.1
57.5°	10.0	10.0	10.0	10.0	10.0
60°	8.9	8.9	8.9	8.9	8.9
62.5°	7.8	7.8	7.8	7.8	7.8
65°	6.7	6.7	6.7	6.7	6.7
67.5°	6.7	6.7	6.7	6.7	6.7
70°	5.6	5.6	5.6	5.6	5.6
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.3	3.3	3.3	3.3	4.4
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
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)