

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: P761941

Luminaire Tested: LD6D20D010-EU6DR1515309027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761941
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-EU6DR1515309027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1969.5 lumens
Efficiency: N/A
Efficacy: 85.3 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



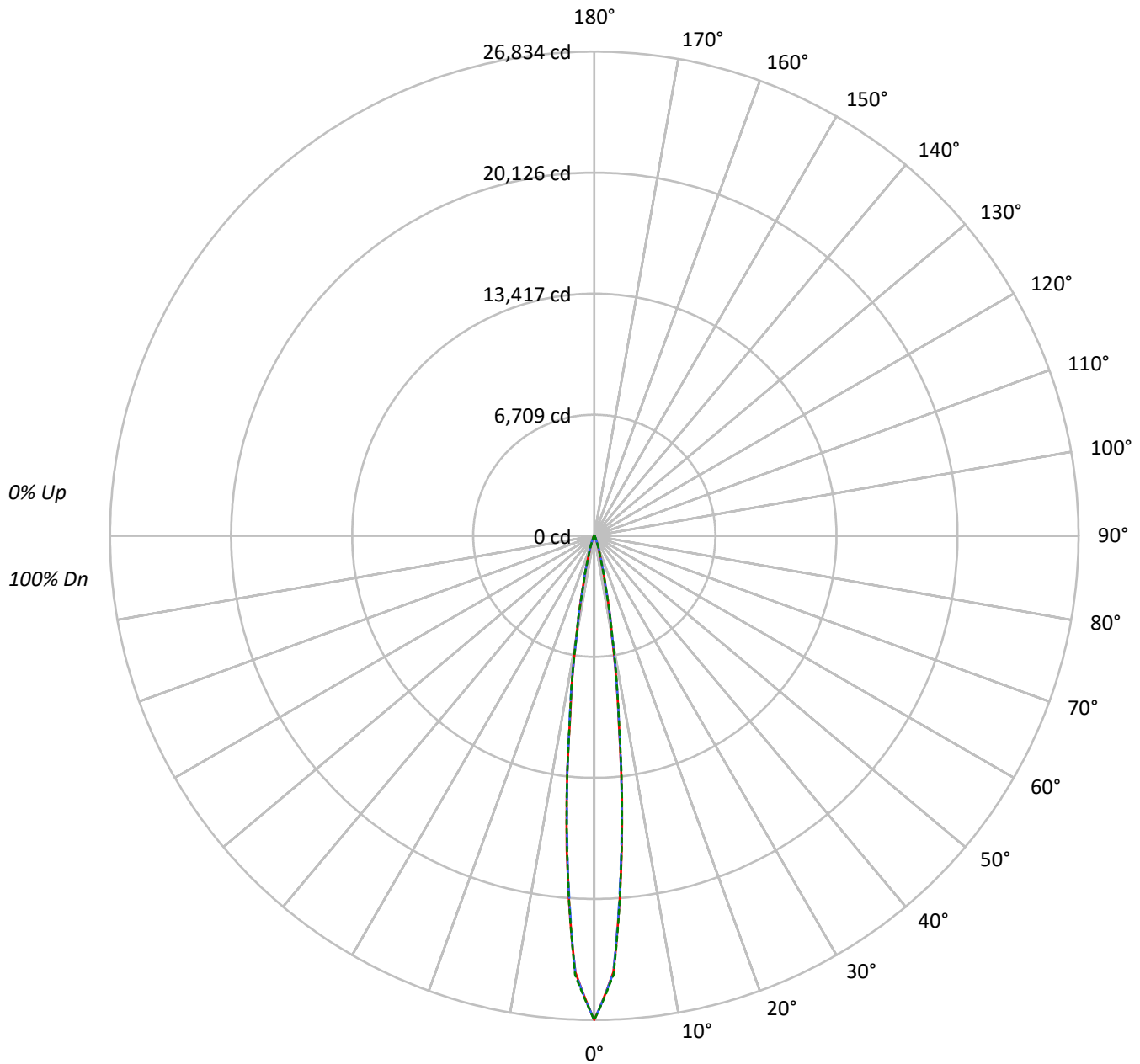
Downlight



TEST NUMBER: P761941

CATALOG NUMBER: LD6D20D010-EU6DR1515309027-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P761941

CATALOG NUMBER: LD6D20D010-EU6DR1515309027-6LBDP1LI

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	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°	3019383	3019383	3019383
5°	1774339	1751361	1765213
10°	529558	533262	541427
15°	131718	134289	130146
20°	39414	45641	40249
25°	13890	17699	14069
30°	5107	6717	5189
35°	2556	2890	2476
40°	1612	1775	1612
45°	1190	1274	1190
50°	946	946	946
55°	793	793	793
60°	639	639	639
65°	485	485	485
70°	417	417	417
75°	257	257	340
80°	181	181	181
85°	91	91	91

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1274 cd/sqm



TEST NUMBER: P761941

CATALOG NUMBER: LD6D20D010-EU6DR1515309027-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1277.4	64.9
10°-20°	525.4	26.7
20°-30°	104.4	5.3
30°-40°	26.1	1.3
40°-50°	13.7	0.7
50°-60°	10.2	0.5
60°-70°	7.2	0.4
70°-80°	4.1	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°	1907.1	96.8
0°-40°	1933.2	98.2
0°-60°	1957.0	99.4
0°-90°	1969.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1969.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26834	26834	26834	26834	26834	
5°	17459	17280	17233	17352	17369	1275
15°	1516	1545	1546	1519	1498	520
25°	178	202	227	201	181	94
35°	35	38	40	38	34	24
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	



TEST NUMBER: P761941

CATALOG NUMBER: LD6D20D010-EU6DR1515309027-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26834.2	26834.2	26834.2	26834.2	26834.2
2.5°	24205.6	24226.0	24234.0	24257.8	24346.4
5°	17459.0	17279.5	17232.9	17352.2	17369.2
7.5°	10342.0	10378.4	10511.3	10540.8	10434.0
10°	5675.4	5722.0	5715.1	5756.0	5802.6
12.5°	2902.4	2866.1	2854.7	2901.3	2836.6
15°	1516.5	1544.9	1546.1	1518.8	1498.4
17.5°	815.6	848.6	903.1	858.8	790.6
20°	481.7	511.2	557.8	521.4	491.9
22.5°	297.6	321.5	354.4	326.0	302.2
25°	178.3	202.2	227.2	201.1	180.6
27.5°	105.6	126.1	142.0	125.0	104.5
30°	68.2	79.5	89.7	78.4	69.3
32.5°	47.7	52.3	56.8	52.3	47.7
35°	35.2	37.5	39.8	37.5	34.1
37.5°	27.3	29.5	30.7	28.4	26.1
40°	22.7	23.9	25.0	23.9	22.7
42.5°	19.3	20.4	20.4	20.4	19.3
45°	17.0	17.0	18.2	17.0	17.0
47.5°	14.8	14.8	15.9	14.8	14.8
50°	13.6	13.6	13.6	13.6	13.6
52.5°	12.5	12.5	12.5	12.5	12.5
55°	11.4	11.4	11.4	11.4	11.4
57.5°	10.2	10.2	10.2	10.2	10.2
60°	9.1	9.1	9.1	9.1	9.1
62.5°	8.0	8.0	8.0	8.0	8.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.4	3.4	3.4	3.4	4.5
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
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)