

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: P762022

Luminaire Tested: LD6D20D010-EU6DR2015309027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D20D010-EU6DR2015309027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2071.6 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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



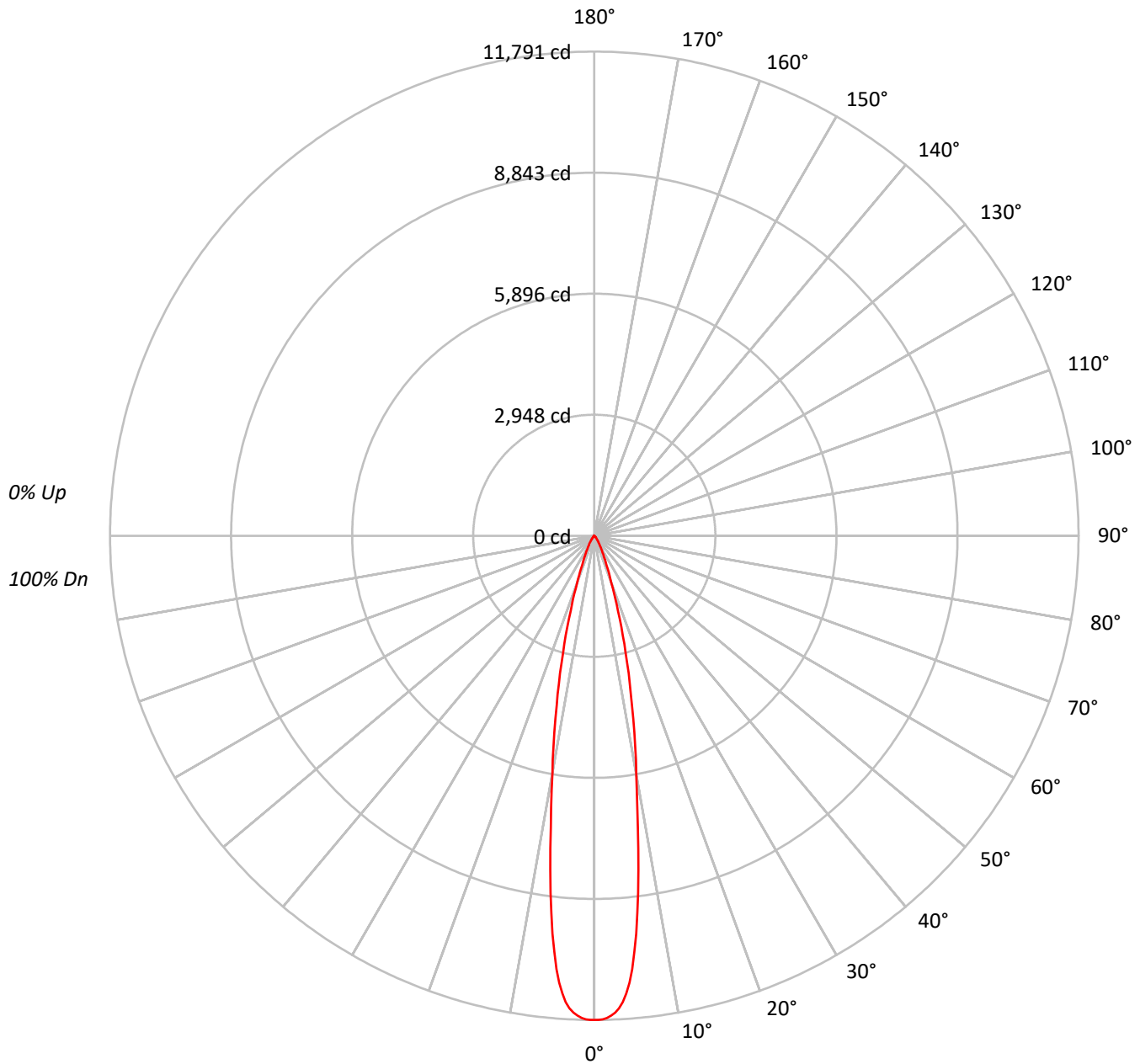
Downlight



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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					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		113	111	109	108		107	106	104		103	102	101		100	99	98
2	111	108	105	102		109	106	104	101		103	101	99		100	99	97		98	96	95
3	108	103	100	97		106	102	99	96		100	97	95		97	95	93		95	93	92
4	105	99	96	93		103	98	95	92		96	93	91		95	92	90		93	91	89
5	102	96	92	89		100	95	91	89		94	90	88		92	89	87		91	88	86
6	99	93	89	86		98	92	88	86		91	87	85		90	87	84		88	86	84
7	96	90	86	83		95	89	86	83		88	85	82		87	84	82		86	84	82
8	94	87	83	81		93	87	83	80		86	83	80		85	82	80		84	82	80
9	91	85	81	78		91	85	81	78		84	80	78		83	80	78		82	80	78
10	89	83	79	76		88	82	79	76		82	78	76		81	78	76		81	78	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1288337
5°	1162325
10°	652364
15°	331608
20°	140399
25°	64811
30°	34304
35°	18487
40°	9884
45°	5841
50°	3383
55°	1791
60°	1136
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.5	40.5
10°-20°	826.7	39.9
20°-30°	270.1	13.0
30°-40°	91.9	4.4
40°-50°	30.9	1.5
50°-60°	9.3	0.4
60°-70°	3.1	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°	1936.3	93.5
0°-40°	2028.2	97.9
0°-60°	2068.4	99.8
0°-90°	2071.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2071.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11791	
5°	10598	840
15°	2932	827
25°	538	270
35°	139	92
45°	38	31
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11791.4
0.5°	11791.4
1°	11776.7
1.5°	11747.3
2°	11693.8
2.5°	11622.4
3°	11521.6
3.5°	11380.9
4°	11171.9
4.5°	10917.8
5°	10597.6
5.5°	10176.5
6°	9745.0
6.5°	9250.4
7°	8766.4
7.5°	8199.4
8°	7693.3
8.5°	7184.0
9°	6713.6
9.5°	6282.1
10°	5880.0
12.5°	4222.0
15°	2931.6
17.5°	1915.2
20°	1207.5
22.5°	782.2
25°	537.6
27.5°	378.0
30°	271.9
32.5°	195.3
35°	138.6
37.5°	96.6
40°	69.3
42.5°	50.4
45°	37.8
47.5°	29.4
50°	19.9
52.5°	12.6
55°	9.4
57.5°	7.3
60°	5.2
62.5°	4.2
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







67.5°	2.1
70°	1.0



(END OF REPORT)