

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: P762074

Luminaire Tested: LD6D20D010-EU6DR2015309050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762074
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-EU6DR2015309050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2293.2 lumens
Efficiency: N/A
Efficacy: 99.3 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 (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



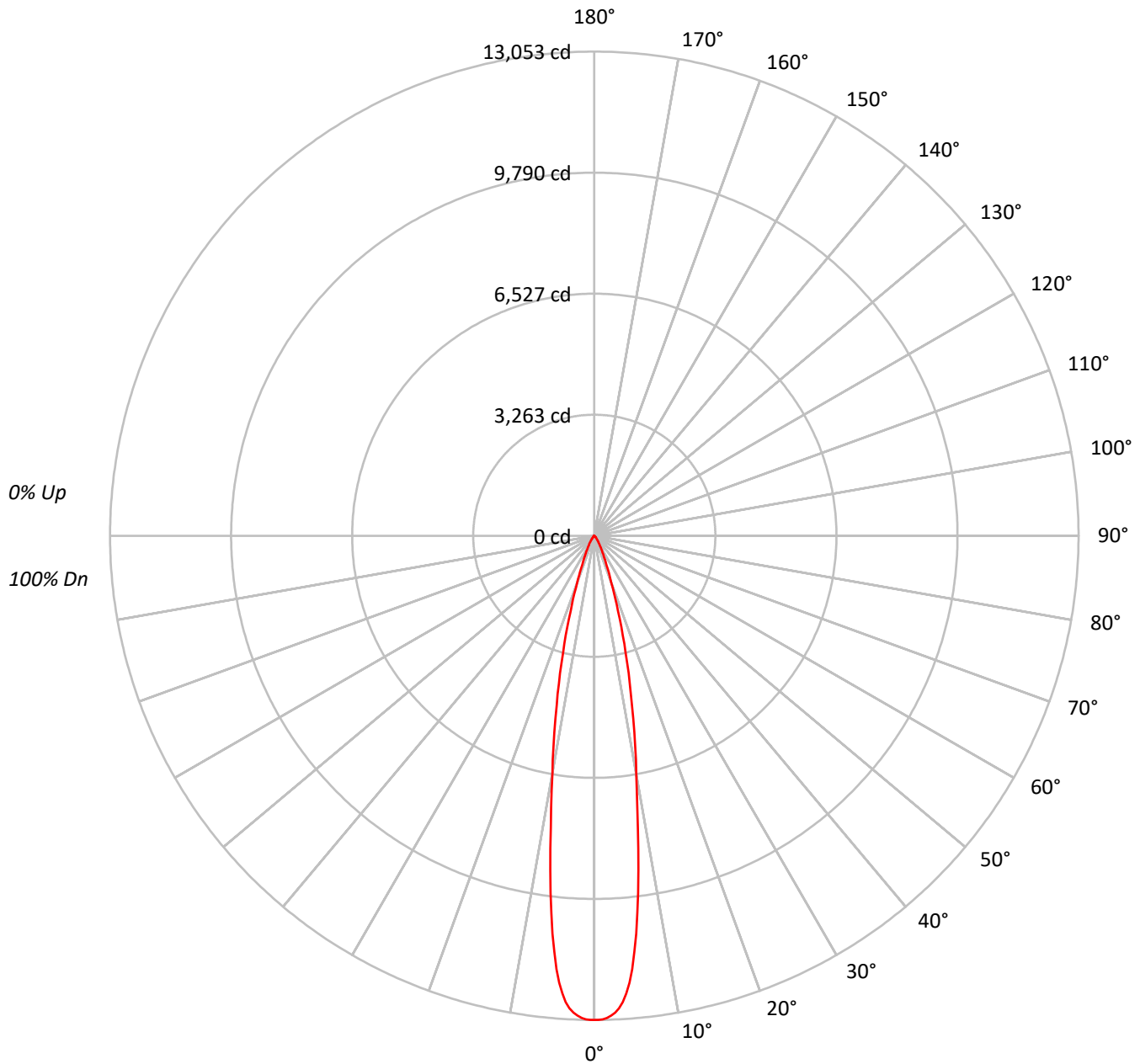
Downlight



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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					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°	1426159
5°	1286667
10°	722149
15°	367081
20°	155422
25°	71743
30°	37975
35°	20461
40°	10940
45°	6459
50°	3757
55°	2000
60°	1267
65°	905
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.3	40.5
10°-20°	915.1	39.9
20°-30°	298.9	13.0
30°-40°	101.8	4.4
40°-50°	34.2	1.5
50°-60°	10.3	0.4
60°-70°	3.4	0.1
70°-80°	0.2	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°	2143.4	93.5
0°-40°	2245.2	97.9
0°-60°	2289.7	99.8
0°-90°	2293.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13053	
5°	11731	929
15°	3245	915
25°	595	299
35°	153	102
45°	42	34
55°	10	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13052.8
0.5°	13052.8
1°	13036.5
1.5°	13004.0
2°	12944.7
2.5°	12865.7
3°	12754.1
3.5°	12598.4
4°	12367.1
4.5°	12085.8
5°	11731.3
5.5°	11265.2
6°	10787.5
6.5°	10240.0
7°	9704.2
7.5°	9076.5
8°	8516.3
8.5°	7952.6
9°	7431.9
9.5°	6954.1
10°	6509.0
12.5°	4673.7
15°	3245.2
17.5°	2120.1
20°	1336.7
22.5°	865.9
25°	595.1
27.5°	418.4
30°	301.0
32.5°	216.2
35°	153.4
37.5°	106.9
40°	76.7
42.5°	55.8
45°	41.8
47.5°	32.5
50°	22.1
52.5°	13.9
55°	10.5
57.5°	8.1
60°	5.8
62.5°	4.6
65°	3.5



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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°	2.3
70°	1.2



(END OF REPORT)