

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: P763878

Luminaire Tested: LD6D30D010-EU6DR2015309024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763878
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: LD6D30D010-EU6DR2015309024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3093.7 lumens
Efficiency: N/A
Efficacy: 106.7 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): 29
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



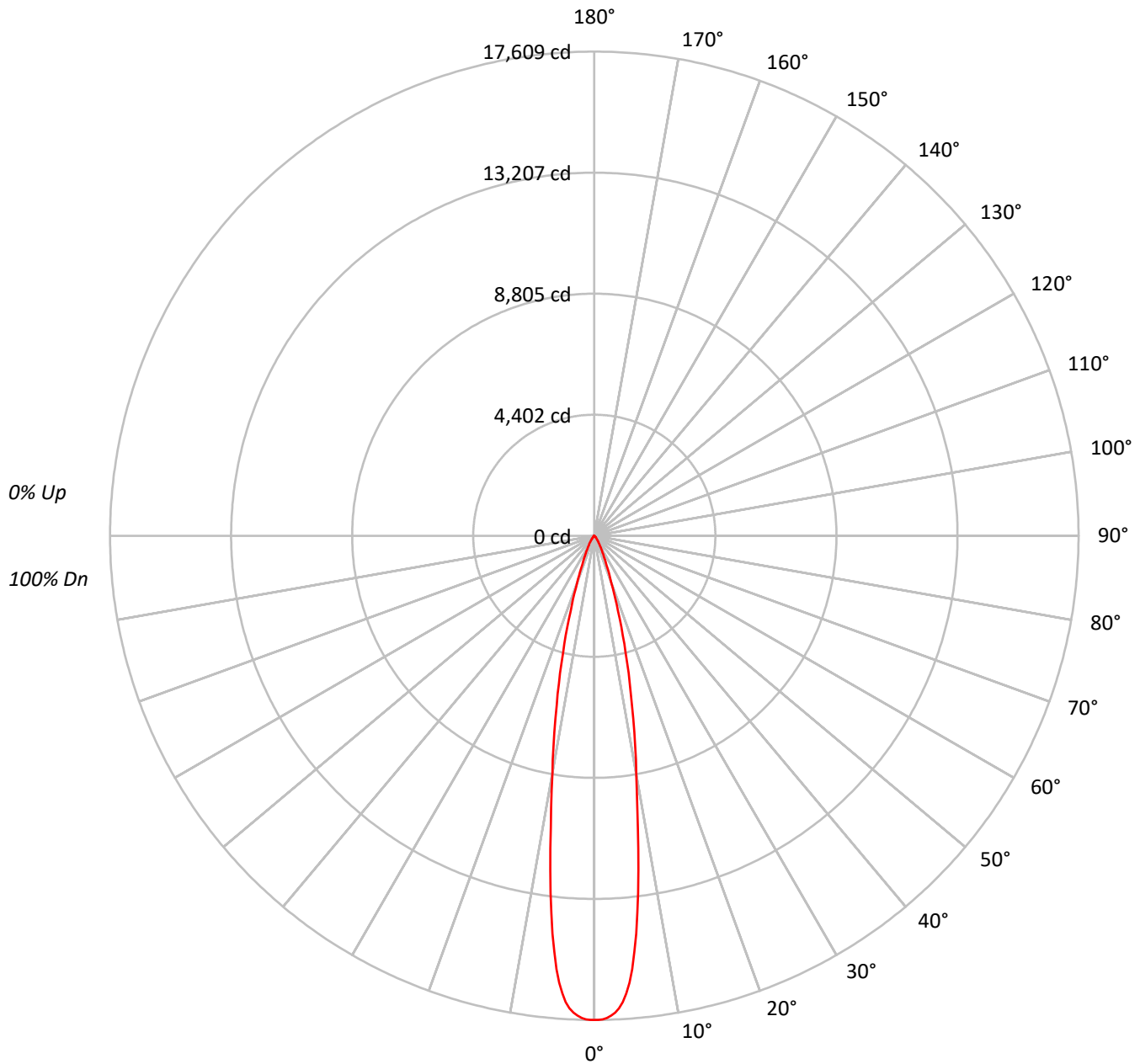
Downlight



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1923940
5°	1735744
10°	974197
15°	495206
20°	209663
25°	96782
30°	51235
35°	27610
40°	14762
45°	8715
50°	5065
55°	2686
60°	1704
65°	1215
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8715 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1253.7	40.5
10°-20°	1234.5	39.9
20°-30°	403.3	13.0
30°-40°	137.3	4.4
40°-50°	46.2	1.5
50°-60°	13.9	0.4
60°-70°	4.6	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°	2891.5	93.5
0°-40°	3028.8	97.9
0°-60°	3088.9	99.8
0°-90°	3093.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3093.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17609	
5°	15826	###
15°	4378	1234
25°	803	403
35°	207	137
45°	56	46
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17608.7
0.5°	17608.7
1°	17586.7
1.5°	17542.8
2°	17462.8
2.5°	17356.2
3°	17205.7
3.5°	16995.6
4°	16683.5
4.5°	16304.1
5°	15825.8
5.5°	15197.1
6°	14552.6
6.5°	13814.1
7°	13091.3
7.5°	12244.5
8°	11488.8
8.5°	10728.3
9°	10025.8
9.5°	9381.4
10°	8780.8
12.5°	6304.9
15°	4377.9
17.5°	2860.0
20°	1803.2
22.5°	1168.2
25°	802.8
27.5°	564.5
30°	406.1
32.5°	291.6
35°	207.0
37.5°	144.3
40°	103.5
42.5°	75.3
45°	56.4
47.5°	43.9
50°	29.8
52.5°	18.8
55°	14.1
57.5°	11.0
60°	7.8
62.5°	6.3
65°	4.7



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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°	3.1
70°	1.6



(END OF REPORT)