

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: P763904

Luminaire Tested: LD6D30D010-EU6DR2015309030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763904
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-EU6DR2015309030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3546.1 lumens
Efficiency: N/A
Efficacy: 122.3 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): 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



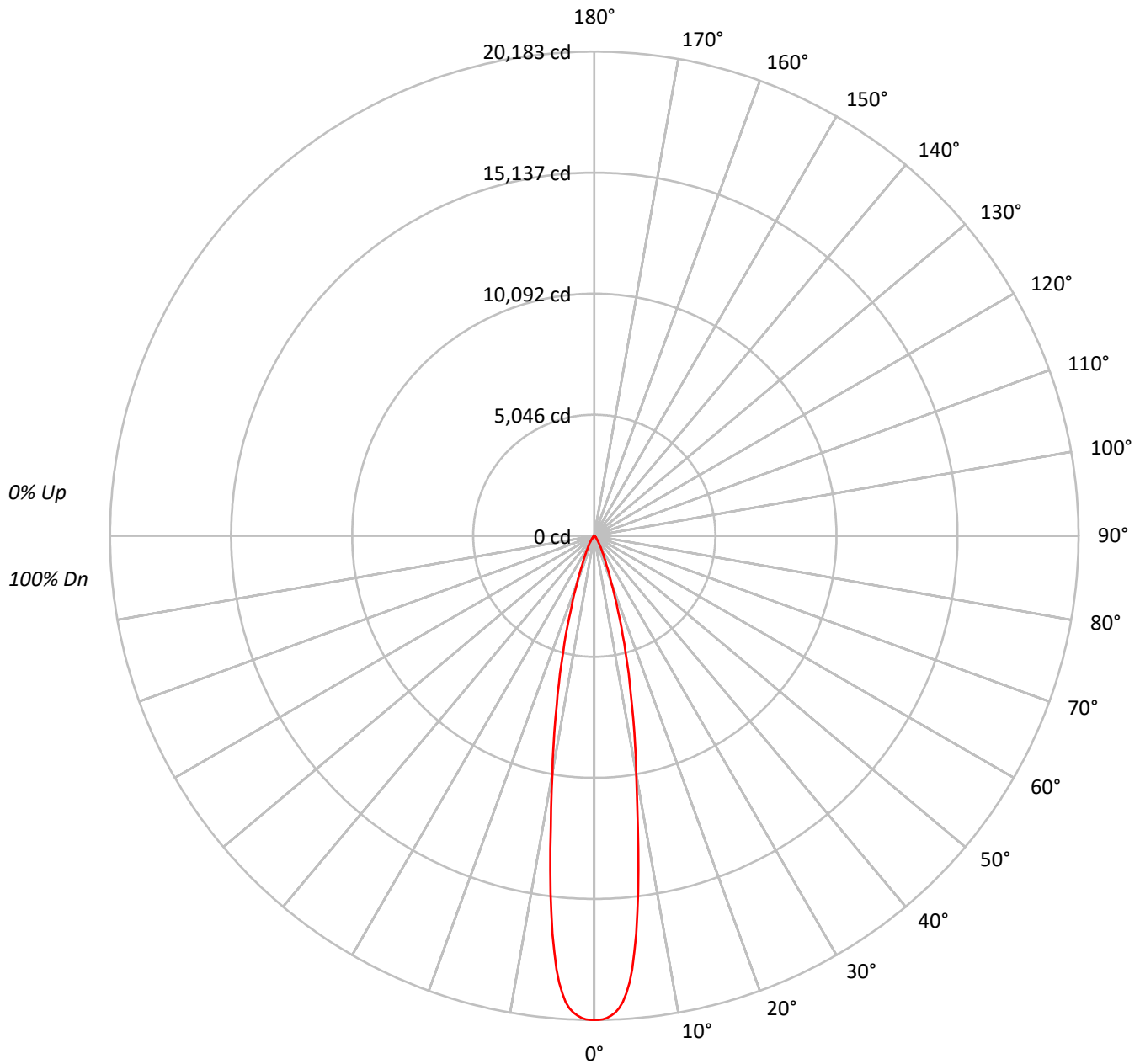
Downlight



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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°	2205254
5°	1989550
10°	1116641
15°	567611
20°	240324
25°	110936
30°	58729
35°	31638
40°	16916
45°	9997
50°	5796
55°	3086
60°	1967
65°	1396
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1437.0	40.5
10°-20°	1415.0	39.9
20°-30°	462.3	13.0
30°-40°	157.4	4.4
40°-50°	52.9	1.5
50°-60°	15.9	0.4
60°-70°	5.3	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°	3314.3	93.5
0°-40°	3471.7	97.9
0°-60°	3540.5	99.8
0°-90°	3546.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3546.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20183	
5°	18140	###
15°	5018	1415
25°	920	462
35°	237	157
45°	65	53
55°	16	16
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20183.4
0.5°	20183.4
1°	20158.3
1.5°	20107.9
2°	20016.3
2.5°	19894.1
3°	19721.5
3.5°	19480.7
4°	19123.0
4.5°	18688.1
5°	18139.9
5.5°	17419.2
6°	16680.5
6.5°	15834.0
7°	15005.5
7.5°	14034.9
8°	13168.6
8.5°	12297.0
9°	11491.8
9.5°	10753.1
10°	10064.7
12.5°	7226.8
15°	5018.0
17.5°	3278.2
20°	2066.9
22.5°	1339.0
25°	920.2
27.5°	647.0
30°	465.5
32.5°	334.3
35°	237.2
37.5°	165.3
40°	118.6
42.5°	86.3
45°	64.7
47.5°	50.3
50°	34.1
52.5°	21.6
55°	16.2
57.5°	12.6
60°	9.0
62.5°	7.2
65°	5.4



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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°	3.6
70°	1.8



(END OF REPORT)