

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: P763876

Luminaire Tested: LD6D30D010-EU6DR2015309024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763876
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-EU6DR2015309024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.7 lumens
Efficiency: N/A
Efficacy: 87.1 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



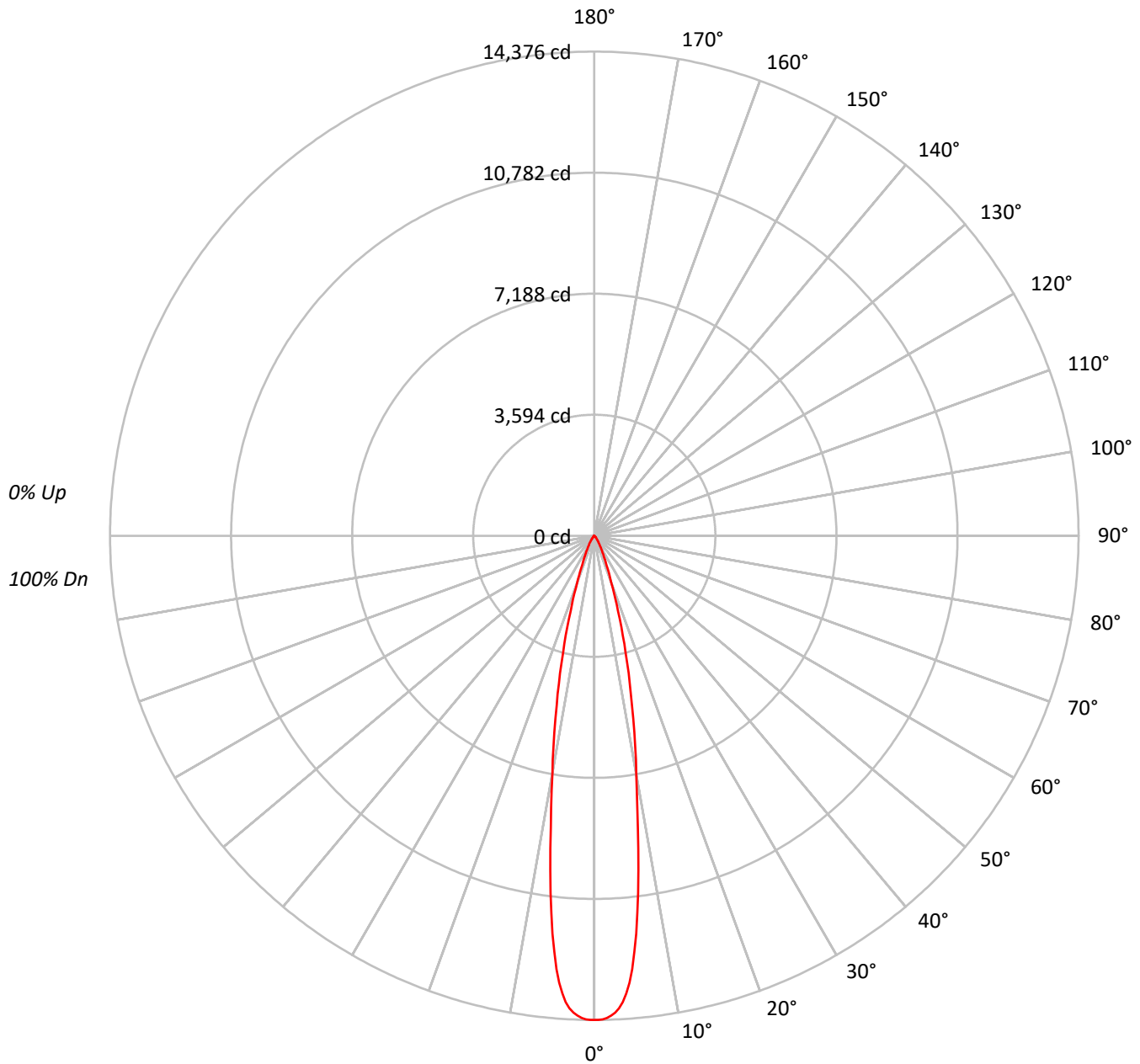
Downlight



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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°	1570689
5°	1417052
10°	795329
15°	404285
20°	171165
25°	79012
30°	41823
35°	22542
40°	12052
45°	7123
50°	4131
55°	2191
60°	1399
65°	982
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7123 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1023.5	40.5
10°-20°	1007.8	39.9
20°-30°	329.2	13.0
30°-40°	112.1	4.4
40°-50°	37.7	1.5
50°-60°	11.4	0.4
60°-70°	3.8	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°	2360.6	93.5
0°-40°	2472.7	97.9
0°-60°	2521.7	99.8
0°-90°	2525.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14376	
5°	12920	###
15°	3574	1008
25°	655	329
35°	169	112
45°	46	38
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14375.6
0.5°	14375.6
1°	14357.7
1.5°	14321.8
2°	14256.6
2.5°	14169.5
3°	14046.6
3.5°	13875.1
4°	13620.4
4.5°	13310.6
5°	12920.1
5.5°	12406.8
6°	11880.7
6.5°	11277.8
7°	10687.6
7.5°	9996.4
8°	9379.4
8.5°	8758.5
9°	8185.0
9.5°	7658.9
10°	7168.6
12.5°	5147.3
15°	3574.1
17.5°	2334.9
20°	1472.1
22.5°	953.7
25°	655.4
27.5°	460.8
30°	331.5
32.5°	238.1
35°	169.0
37.5°	117.8
40°	84.5
42.5°	61.4
45°	46.1
47.5°	35.8
50°	24.3
52.5°	15.4
55°	11.5
57.5°	9.0
60°	6.4
62.5°	5.1
65°	3.8



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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°	2.6
70°	1.3



(END OF REPORT)