

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: P763919

Luminaire Tested: LD6D30D010-EU6DR2015309035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763919
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-EU6DR2015309035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511.9 lumens
Efficiency: N/A
Efficacy: 121.1 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



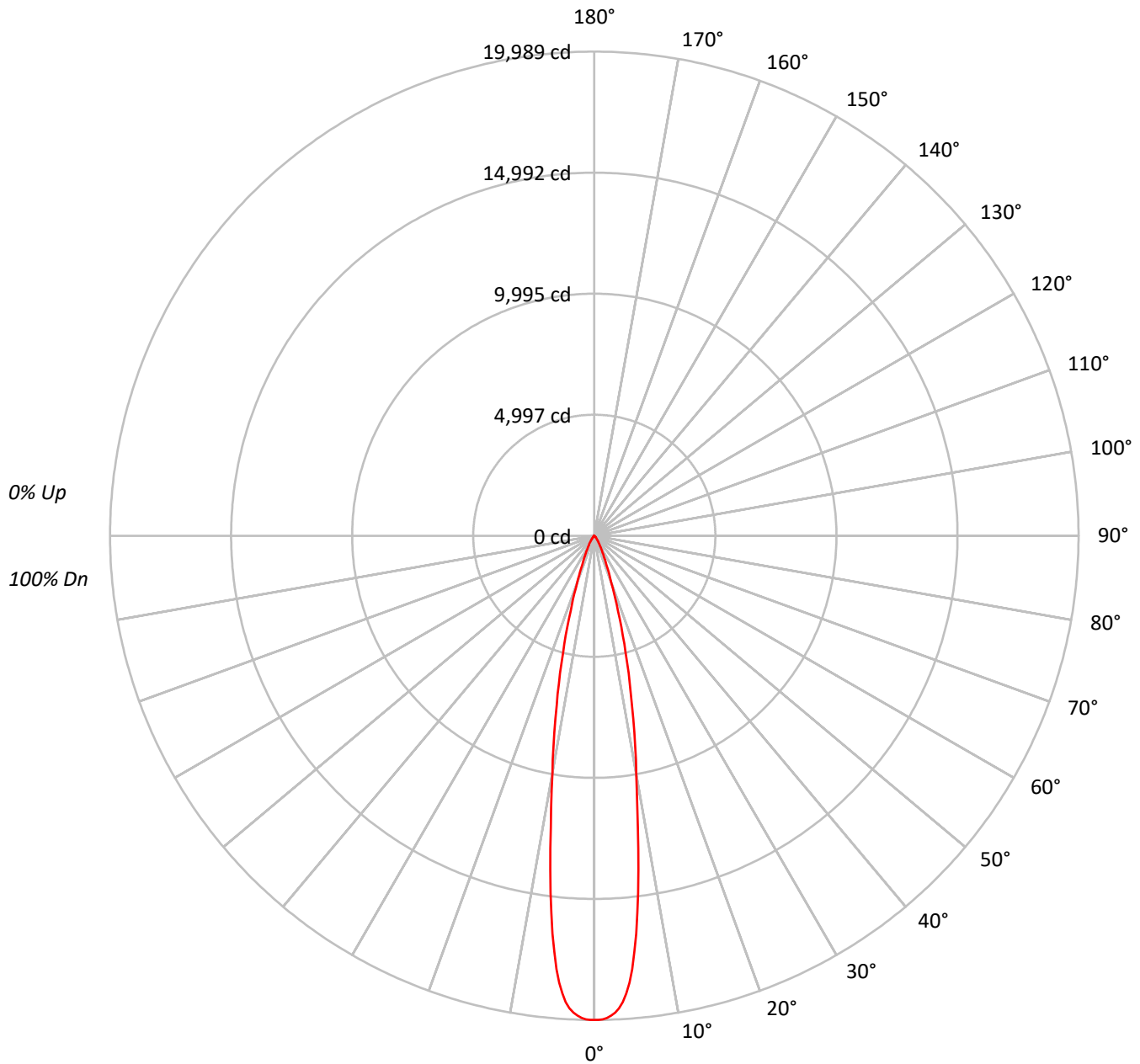
Downlight



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	115	113	111	109	113	111	109	108		107	106	104			103	102	101			97
2	111	108	105	102	109	106	104	101		103	101	99			100	99	97			94
3	108	103	100	97	106	102	99	96		100	97	95			97	95	93			91
4	105	99	96	93	103	98	95	92		96	93	91			95	92	90			88
5	102	96	92	89	100	95	91	89		94	90	88			92	89	87			85
6	99	93	89	86	98	92	88	86		91	87	85			90	87	84			83
7	96	90	86	83	95	89	86	83		88	85	82			87	84	82			81
8	94	87	83	81	93	87	83	80		86	83	80			85	82	80			79
9	91	85	81	78	91	85	81	78		84	80	78			83	80	78			77
10	89	83	79	76	88	82	79	76		82	78	76			81	78	76			75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2183970
5°	1970345
10°	1105868
15°	562137
20°	237999
25°	109863
30°	58161
35°	31345
40°	16759
45°	9905
50°	5745
55°	3048
60°	1945
65°	1370
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9905 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1423.2	40.5
10°-20°	1401.4	39.9
20°-30°	457.8	13.0
30°-40°	155.9	4.4
40°-50°	52.4	1.5
50°-60°	15.8	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°	3282.3	93.5
0°-40°	3438.2	97.9
0°-60°	3506.4	99.8
0°-90°	3511.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3511.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19989	
5°	17965	###
15°	4970	1401
25°	911	458
35°	235	156
45°	64	52
55°	16	16
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19988.6
0.5°	19988.6
1°	19963.7
1.5°	19913.8
2°	19823.0
2.5°	19702.0
3°	19531.1
3.5°	19292.6
4°	18938.4
4.5°	18507.7
5°	17964.8
5.5°	17251.1
6°	16519.5
6.5°	15681.2
7°	14860.6
7.5°	13899.4
8°	13041.5
8.5°	12178.3
9°	11380.9
9.5°	10649.3
10°	9967.6
12.5°	7157.1
15°	4969.6
17.5°	3246.6
20°	2046.9
22.5°	1326.0
25°	911.3
27.5°	640.8
30°	461.0
32.5°	331.1
35°	235.0
37.5°	163.8
40°	117.5
42.5°	85.4
45°	64.1
47.5°	49.8
50°	33.8
52.5°	21.4
55°	16.0
57.5°	12.5
60°	8.9
62.5°	7.1
65°	5.3



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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)