

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: P763931

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763931
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-EU6DR2015309040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3376.6 lumens
Efficiency: N/A
Efficacy: 116.4 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



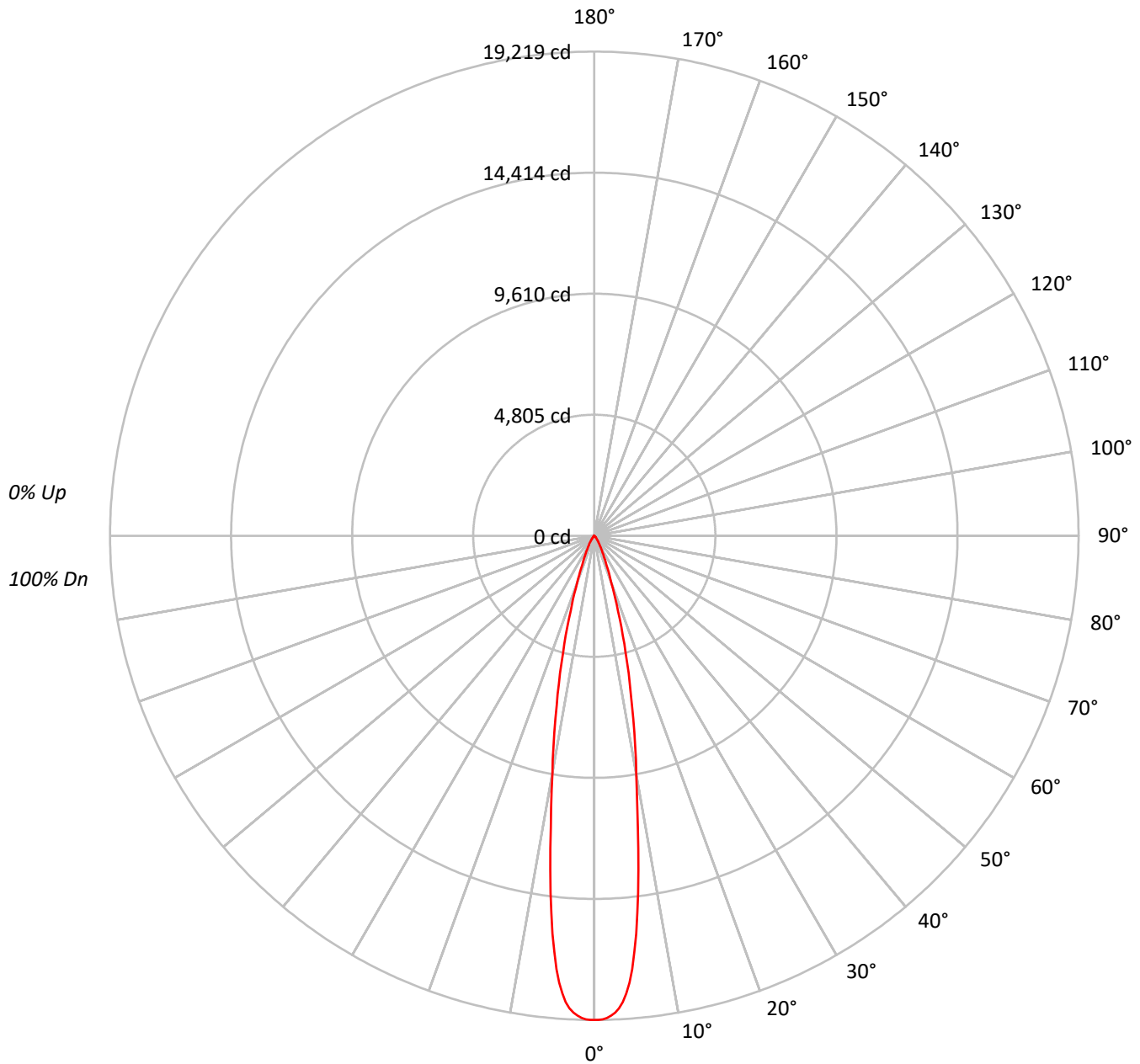
Downlight



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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°	2099882
5°	1894492
10°	1063287
15°	540486
20°	228837
25°	105631
30°	55928
35°	30131
40°	16117
45°	9518
50°	5524
55°	2934
60°	1879
65°	1319
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9518 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1368.4	40.5
10°-20°	1347.4	39.9
20°-30°	440.2	13.0
30°-40°	149.9	4.4
40°-50°	50.4	1.5
50°-60°	15.2	0.4
60°-70°	5.0	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°	3155.9	93.5
0°-40°	3305.8	97.9
0°-60°	3371.3	99.8
0°-90°	3376.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3376.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19219	
5°	17273	###
15°	4778	1347
25°	876	440
35°	226	150
45°	62	50
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19219.0
0.5°	19219.0
1°	19195.1
1.5°	19147.2
2°	19059.9
2.5°	18943.5
3°	18779.2
3.5°	18549.9
4°	18209.3
4.5°	17795.2
5°	17273.2
5.5°	16586.9
6°	15883.5
6.5°	15077.4
7°	14288.5
7.5°	13364.3
8°	12539.4
8.5°	11709.4
9°	10942.7
9.5°	10239.3
10°	9583.8
12.5°	6881.5
15°	4778.2
17.5°	3121.6
20°	1968.1
22.5°	1275.0
25°	876.2
27.5°	616.1
30°	443.3
32.5°	318.3
35°	225.9
37.5°	157.4
40°	113.0
42.5°	82.1
45°	61.6
47.5°	47.9
50°	32.5
52.5°	20.5
55°	15.4
57.5°	12.0
60°	8.6
62.5°	6.8
65°	5.1



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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°	3.4
70°	1.7



(END OF REPORT)