

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: P763896

Luminaire Tested: LD6D30D010-EU6DR2015309027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763896
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-EU6DR2015309027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3270.7 lumens
Efficiency: N/A
Efficacy: 112.8 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



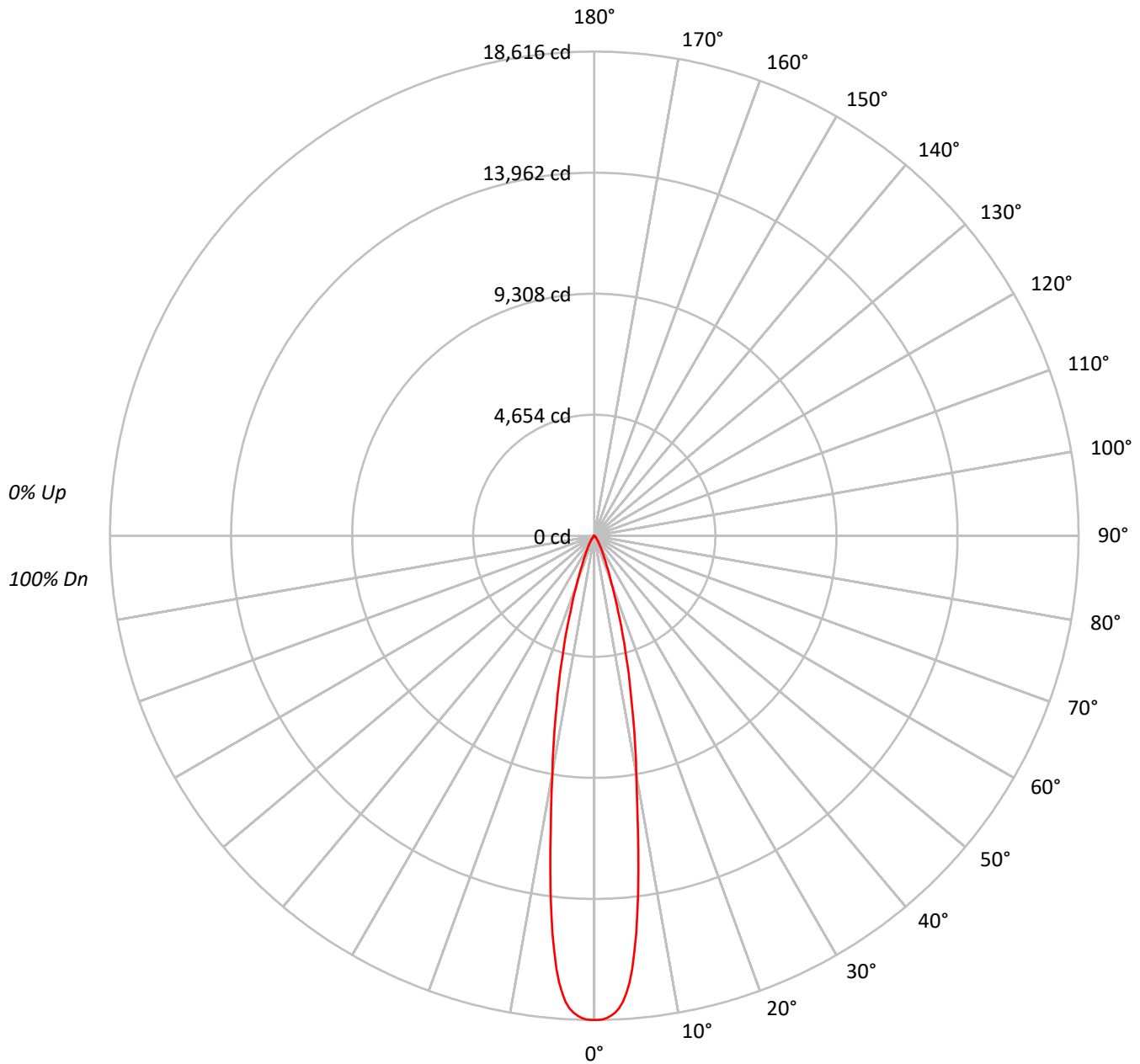
Downlight



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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°	2034020
5°	1835068
10°	1029936
15°	523542
20°	221663
25°	102328
30°	54162
35°	29184
40°	15604
45°	9225
50°	5354
55°	2838
60°	1814
65°	1293
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9225 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1325.4	40.5
10°-20°	1305.1	39.9
20°-30°	426.4	13.0
30°-40°	145.1	4.4
40°-50°	48.8	1.5
50°-60°	14.7	0.4
60°-70°	4.9	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°	3057.0	93.5
0°-40°	3202.1	97.9
0°-60°	3265.6	99.8
0°-90°	3270.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3270.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18616	
5°	16731	###
15°	4628	1305
25°	849	426
35°	219	145
45°	60	49
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18616.2
0.5°	18616.2
1°	18593.0
1.5°	18546.6
2°	18462.0
2.5°	18349.3
3°	18190.2
3.5°	17968.0
4°	17638.1
4.5°	17237.0
5°	16731.4
5.5°	16066.6
6°	15385.3
6.5°	14604.5
7°	13840.3
7.5°	12945.1
8°	12146.1
8.5°	11342.1
9°	10599.5
9.5°	9918.1
10°	9283.2
12.5°	6665.7
15°	4628.4
17.5°	3023.7
20°	1906.4
22.5°	1235.0
25°	848.8
27.5°	596.8
30°	429.3
32.5°	308.3
35°	218.8
37.5°	152.5
40°	109.4
42.5°	79.6
45°	59.7
47.5°	46.4
50°	31.5
52.5°	19.9
55°	14.9
57.5°	11.6
60°	8.3
62.5°	6.6
65°	5.0



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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°	3.3
70°	1.7



(END OF REPORT)