

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: P739945

Luminaire Tested: LD4D05D010-EU4DR200210IC9030-4LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P739945
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: LD4D05D010-EU4DR200210IC9030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.5 lumens
Efficiency: N/A
Efficacy: 82.7 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): 7.5
Input Voltage (V): NR
Input Current (A_{in}): 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



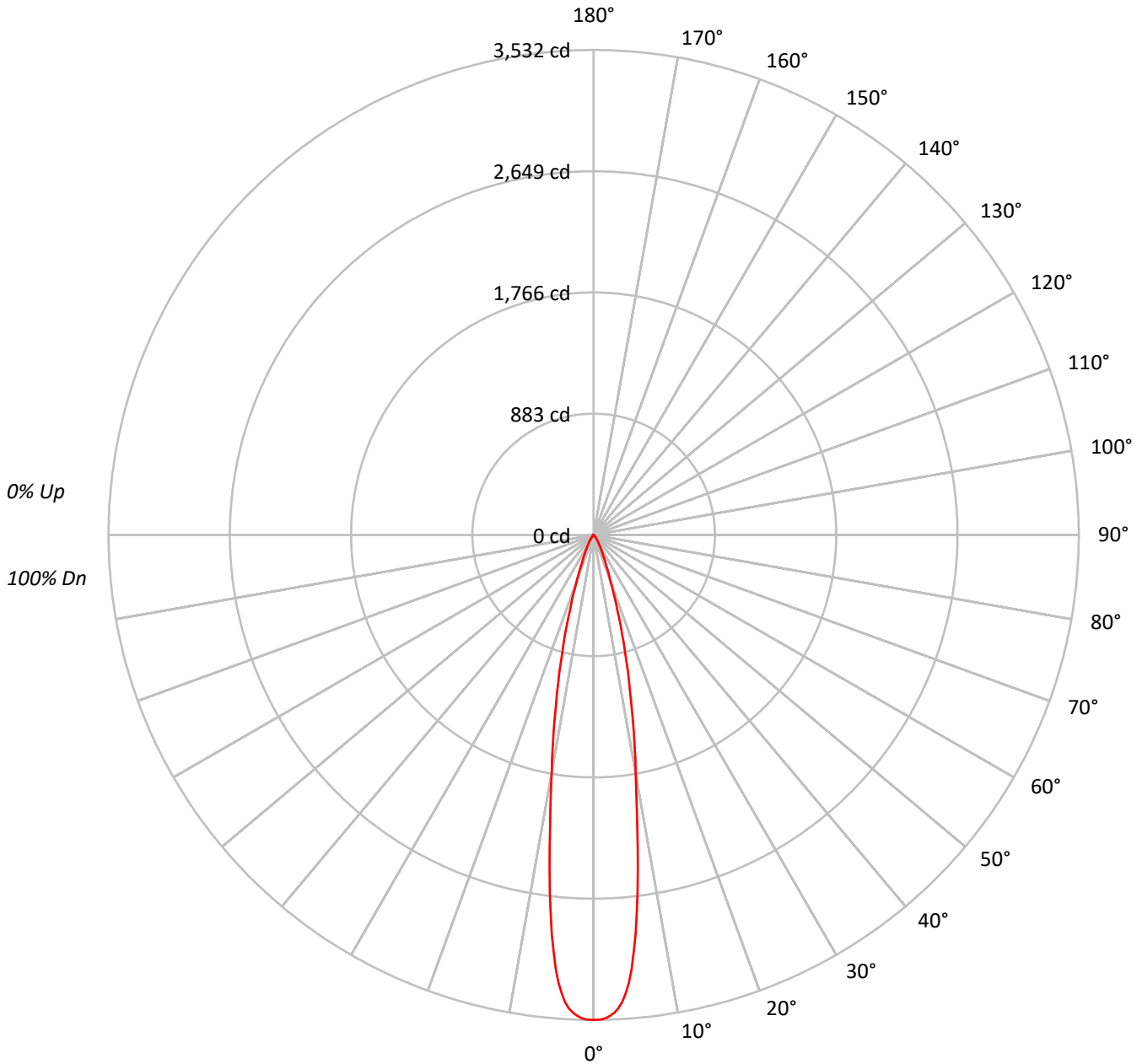
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	385909
5°	348162
10°	195410
15°	99326
20°	42056
25°	19410
30°	10282
35°	5535
40°	2967
45°	1746
50°	1020
55°	533
60°	350
65°	233
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1746 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	40.5
10°-20°	247.6	39.9
20°-30°	80.9	13.0
30°-40°	27.5	4.4
40°-50°	9.3	1.5
50°-60°	2.8	0.4
60°-70°	0.9	0.1
70°-80°	0.0	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°	580.0	93.5
0°-40°	607.5	97.9
0°-60°	619.6	99.8
0°-90°	620.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3532	
5°	3174	251
15°	878	248
25°	161	81
35°	42	28
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3532.0
0.5°	3532.0
1°	3527.6
1.5°	3518.8
2°	3502.7
2.5°	3481.4
3°	3451.2
3.5°	3409.0
4°	3346.4
4.5°	3270.3
5°	3174.4
5.5°	3048.3
6°	2919.0
6.5°	2770.9
7°	2625.9
7.5°	2456.0
8°	2304.4
8.5°	2151.9
9°	2011.0
9.5°	1881.7
10°	1761.3
12.5°	1264.7
15°	878.1
17.5°	573.7
20°	361.7
22.5°	234.3
25°	161.0
27.5°	113.2
30°	81.5
32.5°	58.5
35°	41.5
37.5°	28.9
40°	20.8
42.5°	15.1
45°	11.3
47.5°	8.8
50°	6.0
52.5°	3.8
55°	2.8
57.5°	2.2
60°	1.6
62.5°	1.3
65°	0.9



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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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180°

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67.5°		0.6
70°		0.3

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Scaled Data Report



(END OF REPORT)