

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: P746517

Luminaire Tested: LD4D30D010-EU4DR6520359024-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR6520359024-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1766.4 lumens  
Efficiency: N/A  
Efficacy: 60.9 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
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

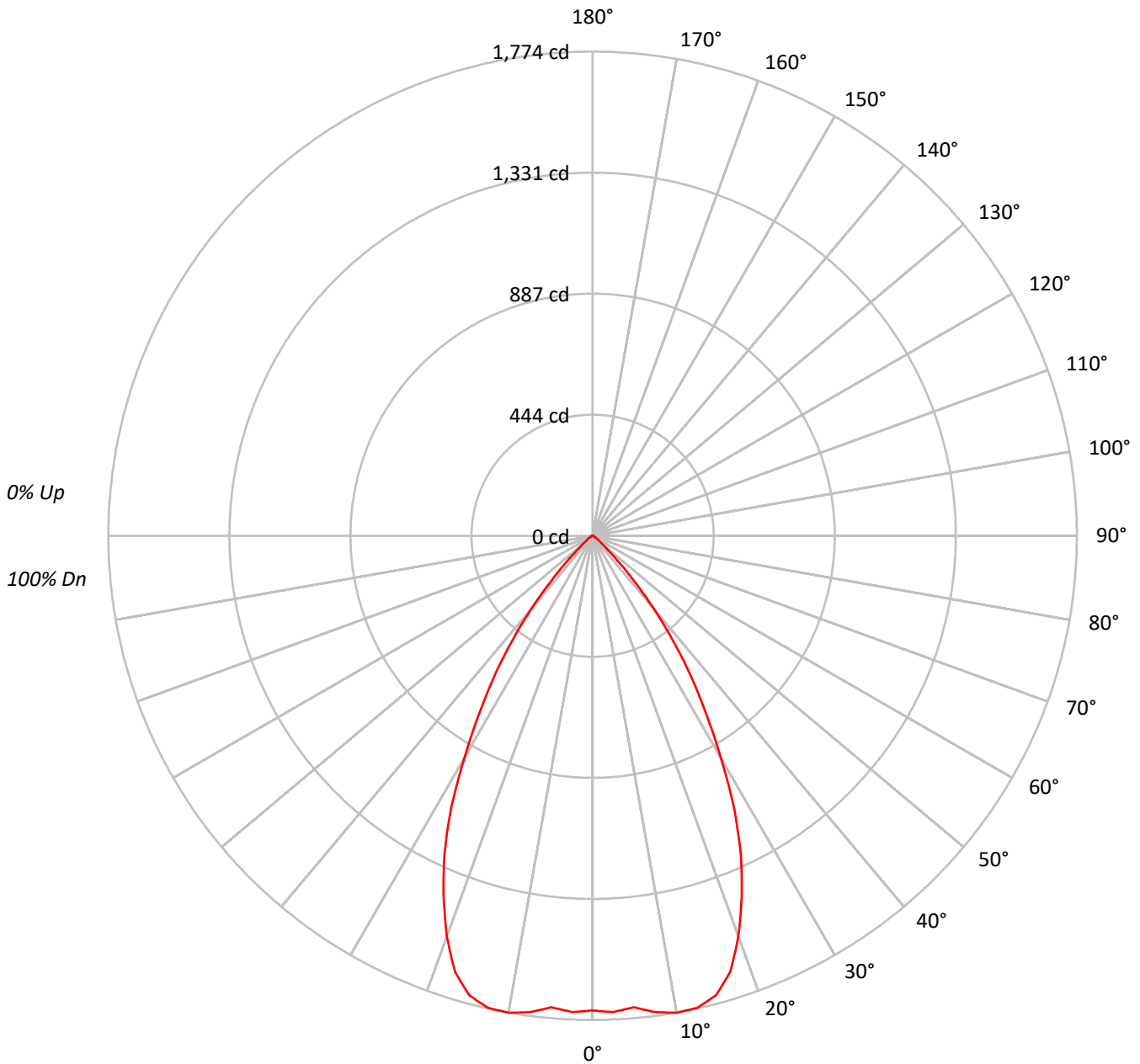


Downlight



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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			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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59	54	51	50

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	190026
5°	190182
10°	196874
15°	197205
20°	181560
25°	154697
30°	118430
35°	83671
40°	49378
45°	20056
50°	7258
55°	4057
60°	2316
65°	1267
70°	1342
75°	1055
80°	1070
85°	878

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20056 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.5	9.5
10°-20°	483.1	27.3
20°-30°	579.6	32.8
30°-40°	389.5	22.1
40°-50°	116.6	6.6
50°-60°	20.6	1.2
60°-70°	5.8	0.3
70°-80°	2.9	0.2
80°-90°	0.9	0.1
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°	1230.1	69.6
0°-40°	1619.7	91.7
0°-60°	1756.8	99.5
0°-90°	1766.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1766.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1739	
5°	1734	167
15°	1743	483
25°	1283	580
35°	627	390
45°	130	117
55°	21	21
65°	5	6
75°	2	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1739.2
2.5°	1746.6
5°	1734.0
7.5°	1760.2
10°	1774.5
12.5°	1771.1
15°	1743.4
17.5°	1675.7
20°	1561.5
22.5°	1427.0
25°	1283.2
27.5°	1120.8
30°	938.7
32.5°	773.6
35°	627.3
37.5°	482.7
40°	346.2
42.5°	226.1
45°	129.8
47.5°	68.7
50°	42.7
52.5°	29.7
55°	21.3
57.5°	15.3
60°	10.6
62.5°	6.9
65°	4.9
67.5°	4.5
70°	4.2
72.5°	3.2
75°	2.5
77.5°	2.2
80°	1.7
82.5°	1.3
85°	0.7
87.5°	0.5
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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— 0°-180°

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(END OF REPORT)