

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



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: P740582

Luminaire Tested: LD4D05D010-EU4DR600210IC9035-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P740582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D05D010-EU4DR600210IC9035-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 609.2 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



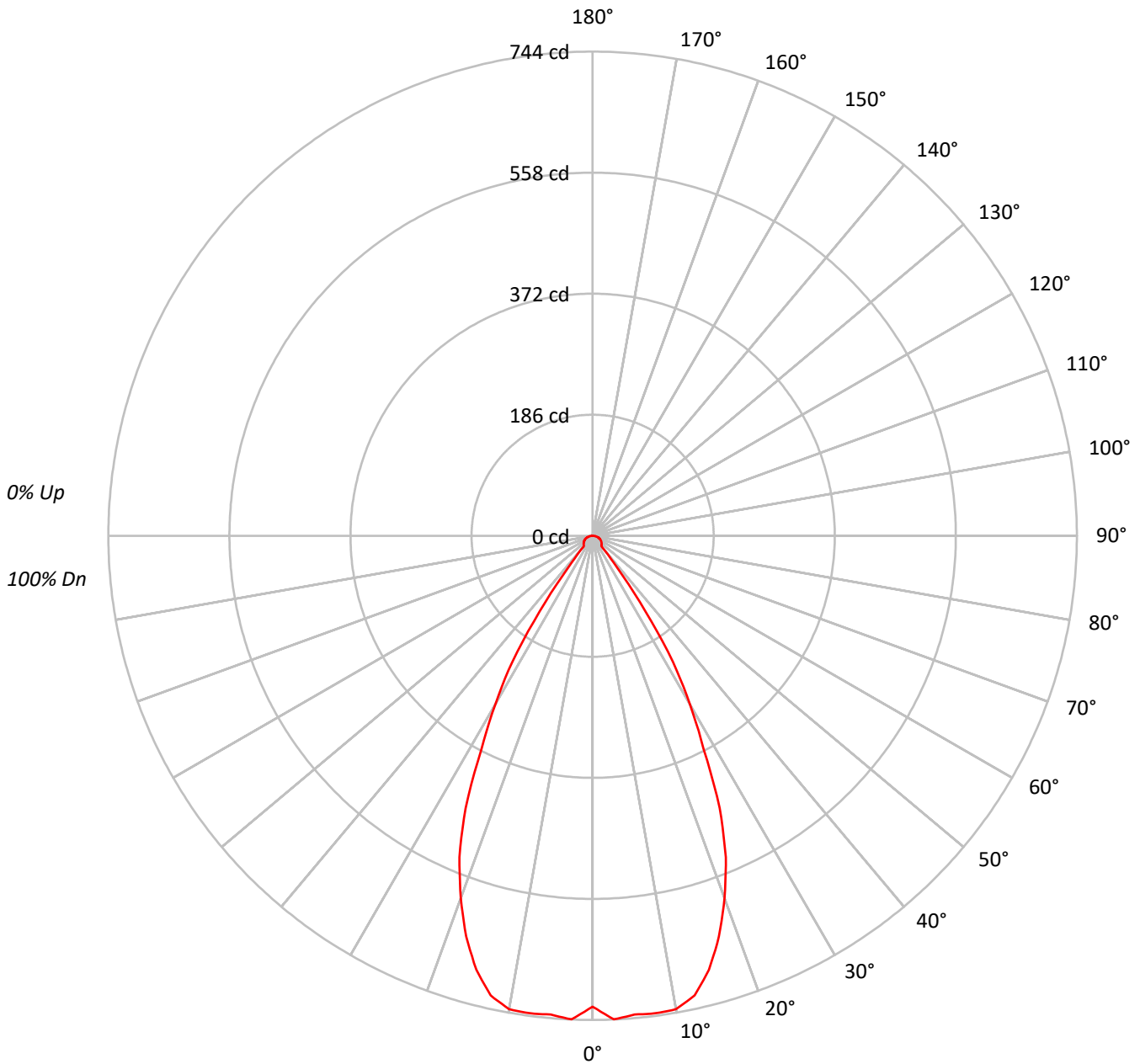
Downlight



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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	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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				

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

	0°
0°	79050
5°	80997
10°	81967
15°	78083
20°	68845
25°	55685
30°	37672
35°	18874
40°	3067
45°	2998
50°	3060
55°	3105
60°	3190
65°	3258
70°	3322
75°	3377
80°	3272
85°	2758

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 3377 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.6	11.6
10°-20°	190.9	31.3
20°-30°	205.4	33.7
30°-40°	89.3	14.7
40°-50°	15.0	2.5
50°-60°	14.6	2.4
60°-70°	12.5	2.0
70°-80°	8.3	1.4
80°-90°	2.5	0.4
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°	467.0	76.7
0°-40°	556.3	91.3
0°-60°	585.9	96.2
0°-90°	609.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	724	
5°	738	71
15°	690	191
25°	462	205
35°	142	89
45°	19	15
55°	16	15
65°	13	12
75°	8	8
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	723.5
2.5°	743.8
5°	738.5
7.5°	740.1
10°	738.8
12.5°	723.6
15°	690.3
17.5°	645.7
20°	592.1
22.5°	534.8
25°	461.9
27.5°	369.4
30°	298.6
32.5°	230.1
35°	141.5
37.5°	60.6
40°	21.5
42.5°	19.8
45°	19.4
47.5°	18.7
50°	18.0
52.5°	17.1
55°	16.3
57.5°	15.5
60°	14.6
62.5°	13.6
65°	12.6
67.5°	11.6
70°	10.4
72.5°	9.2
75°	8.0
77.5°	6.6
80°	5.2
82.5°	3.7
85°	2.2
87.5°	0.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)