

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: P752067

Luminaire Tested: LD4D65D010-EU4DR7055659027-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR7055659027-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6845.9 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

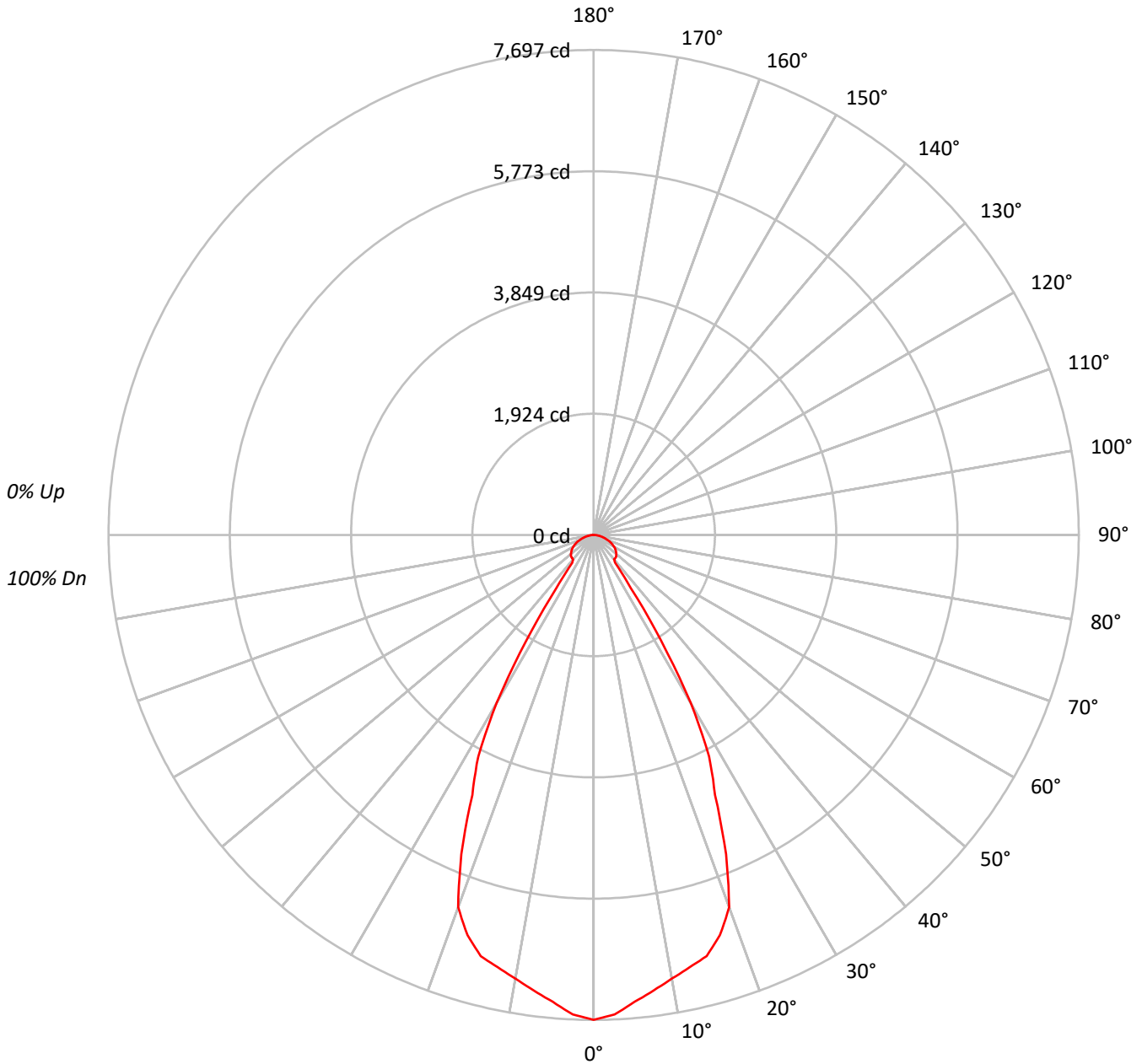
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

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

	0°
0°	840958
5°	815972
10°	793233
15°	782824
20°	730996
25°	549156
30°	388205
35°	137518
40°	72299
45°	77012
50°	79754
55°	81244
60°	81749
65°	80016
70°	75520
75°	69950
80°	62103
85°	50396

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 81768 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	701.7	10.3
10°-20°	1924.8	28.1
20°-30°	2119.9	31.0
30°-40°	810.0	11.8
40°-50°	382.4	5.6
50°-60°	380.2	5.6
60°-70°	304.4	4.4
70°-80°	175.0	2.6
80°-90°	47.6	0.7
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°	4746.4	69.3
0°-40°	5556.4	81.2
0°-60°	6319.0	92.3
0°-90°	6845.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6845.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7697	
5°	7440	702
15°	6921	1925
25°	4555	2120
35°	1031	810
45°	498	382
55°	426	380
65°	310	304
75°	166	175
85°	40	48
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7696.8
2.5°	7616.4
5°	7439.7
7.5°	7292.3
10°	7149.7
12.5°	7029.0
15°	6920.6
17.5°	6658.6
20°	6286.9
22.5°	5485.0
25°	4555.2
27.5°	3965.4
30°	3077.0
32.5°	1987.6
35°	1031.0
37.5°	556.9
40°	506.9
42.5°	503.3
45°	498.4
47.5°	487.5
50°	469.2
52.5°	448.5
55°	426.5
57.5°	402.1
60°	374.1
62.5°	342.4
65°	309.5
67.5°	273.0
70°	236.4
72.5°	199.9
75°	165.7
77.5°	130.4
80°	98.7
82.5°	69.5
85°	40.2
87.5°	15.8
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)