

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: P754426

Luminaire Tested: LD4D80BD010-EU4DR7070959030-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P754426  
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: LD4D80BD010-EU4DR7070959030-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

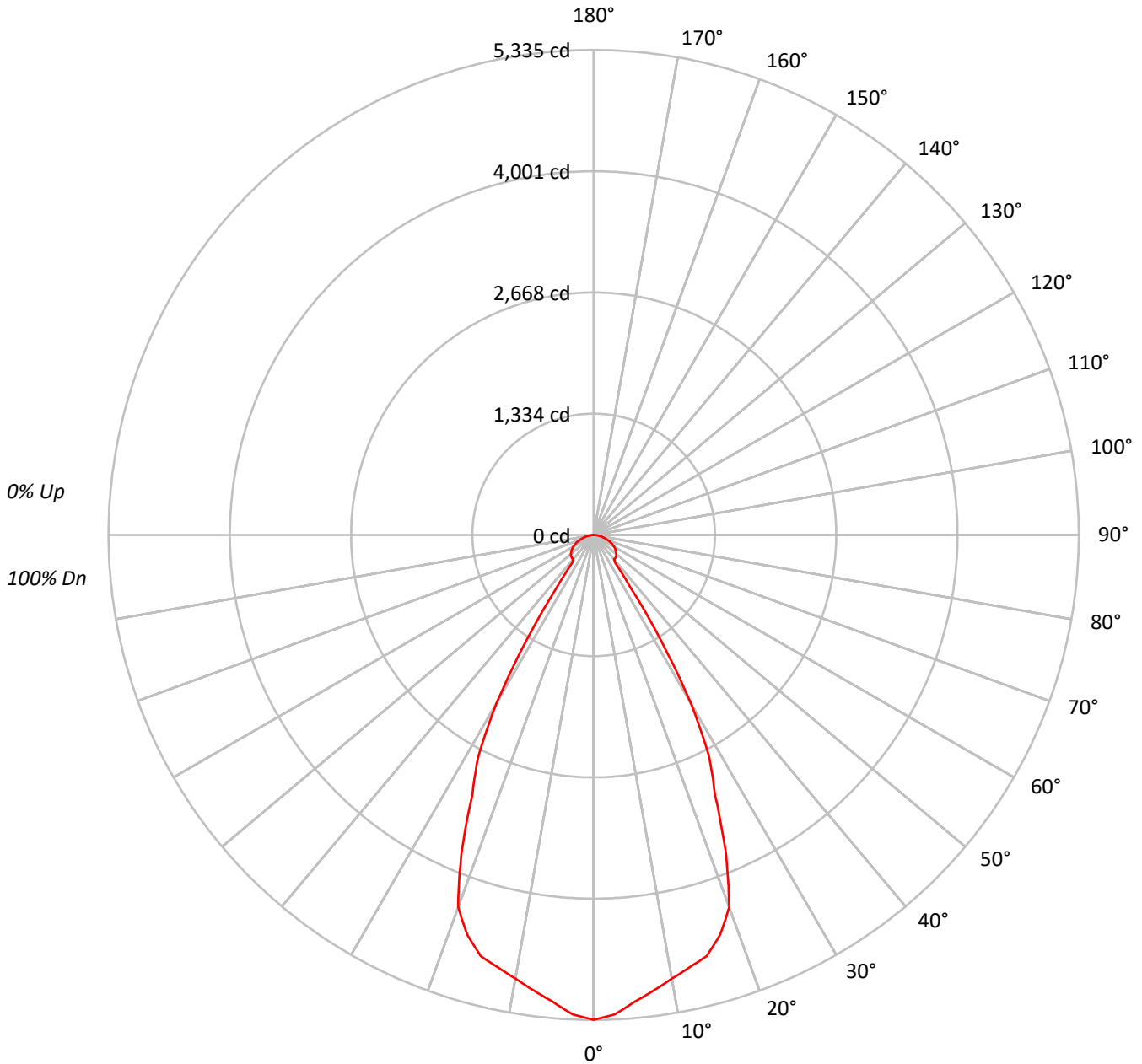
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4745.2 lumens  
Efficiency: N/A  
Efficacy: 60.1 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): 78.9  
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



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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	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°	582906
5°	565588
10°	549828
15°	542613
20°	506682
25°	380643
30°	269081
35°	95315
40°	50120
45°	53386
50°	55277
55°	56309
60°	56663
65°	55455
70°	52359
75°	48505
80°	43038
85°	34976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 56674 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.4	10.3
10°-20°	1334.2	28.1
20°-30°	1469.4	31.0
30°-40°	561.4	11.8
40°-50°	265.1	5.6
50°-60°	263.5	5.6
60°-70°	211.0	4.4
70°-80°	121.3	2.6
80°-90°	33.0	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°	3289.9	69.3
0°-40°	3851.4	81.2
0°-60°	4380.0	92.3
0°-90°	4745.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4745.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5335	
5°	5157	486
15°	4797	1334
25°	3157	1469
35°	715	561
45°	346	265
55°	296	264
65°	214	211
75°	115	121
85°	28	33
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5335.0
2.5°	5279.3
5°	5156.8
7.5°	5054.6
10°	4955.8
12.5°	4872.1
15°	4797.0
17.5°	4615.3
20°	4357.7
22.5°	3801.9
25°	3157.4
27.5°	2748.6
30°	2132.8
32.5°	1377.7
35°	714.6
37.5°	386.0
40°	351.4
42.5°	348.9
45°	345.5
47.5°	337.9
50°	325.2
52.5°	310.8
55°	295.6
57.5°	278.7
60°	259.3
62.5°	237.4
65°	214.5
67.5°	189.2
70°	163.9
72.5°	138.5
75°	114.9
77.5°	90.4
80°	68.4
82.5°	48.1
85°	27.9
87.5°	11.0
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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— 0°-180°

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(END OF REPORT)