

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: P753915

Luminaire Tested: LD4D80BD010-EU4DR3570959050-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D80BD010-EU4DR3570959050-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7584.0 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

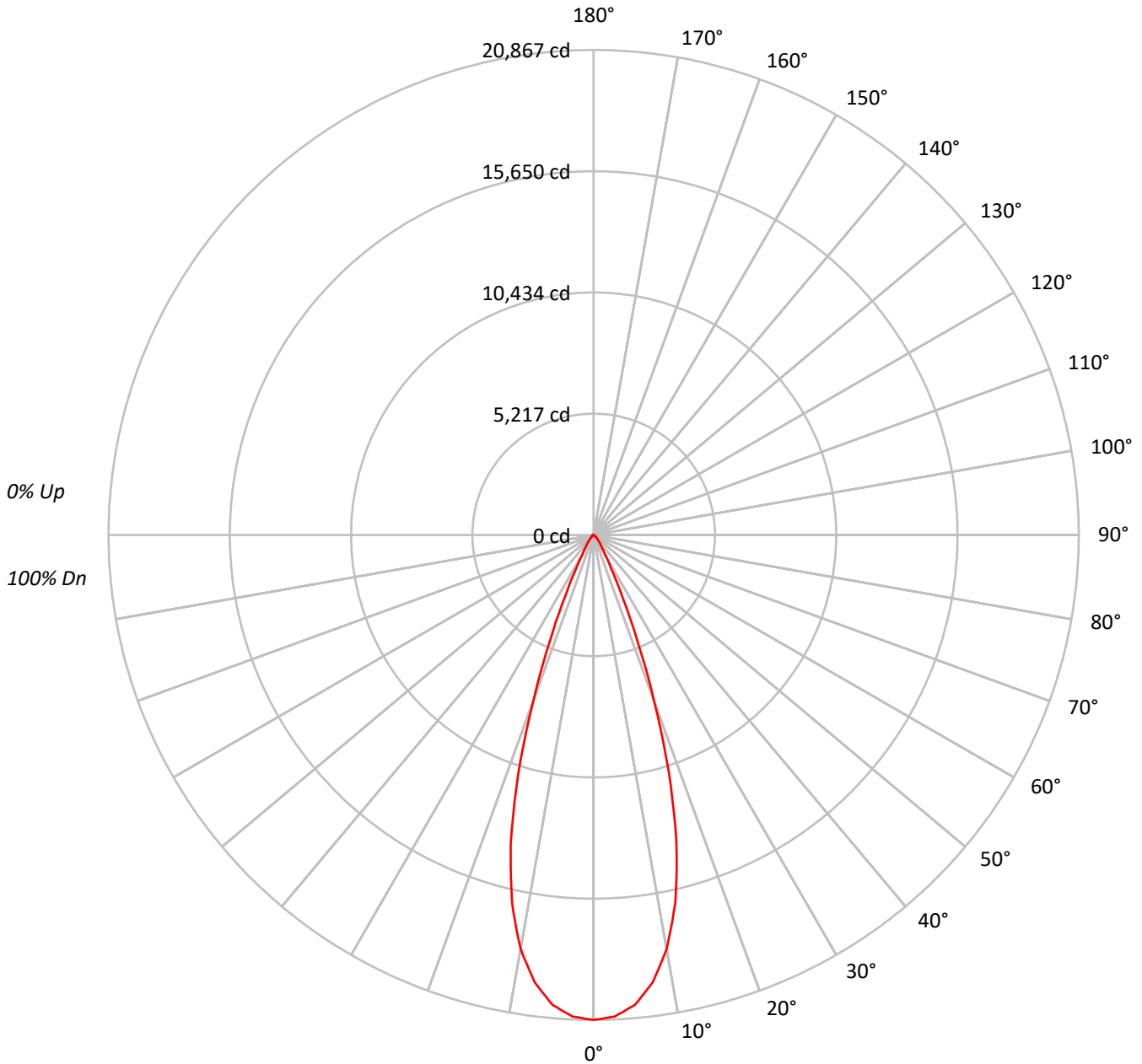
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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				100															
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96				96															
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88				88															
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84				84															
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81				81															
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78				78															
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75				75															
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72				72															
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70				70															
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68				68															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2279988
5°	2226411
10°	2006585
15°	1557436
20°	883348
25°	343669
30°	128207
35°	70279
40°	45941
45°	27952
50°	17797
55°	12572
60°	9200
65°	4990
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1867.0	24.6
10°-20°	3645.1	48.1
20°-30°	1486.6	19.6
30°-40°	355.8	4.7
40°-50°	148.3	2.0
50°-60°	61.4	0.8
60°-70°	19.2	0.3
70°-80°	0.4	0.0
80°-90°	0.3	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°	6998.7	92.3
0°-40°	7354.4	97.0
0°-60°	7564.1	99.7
0°-90°	7584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7584.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20867	
5°	20300	###
15°	13769	3645
25°	2851	1487
35°	527	356
45°	181	148
55°	66	61
65°	19	19
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20867.4
2.5°	20742.2
5°	20299.5
7.5°	19416.4
10°	18086.1
12.5°	16213.0
15°	13768.6
17.5°	10779.1
20°	7597.2
22.5°	4844.4
25°	2850.7
27.5°	1611.4
30°	1016.2
32.5°	713.5
35°	526.9
37.5°	407.4
40°	322.1
42.5°	248.1
45°	180.9
47.5°	135.4
50°	104.7
52.5°	83.1
55°	66.0
57.5°	53.5
60°	42.1
62.5°	30.7
65°	19.3
67.5°	6.8
70°	1.1
72.5°	1.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.1
85°	0.0
87.5°	0.0
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)