

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: P756307

Luminaire Tested: LD4D95BD010-EU4DR4070959035-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR4070959035-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9180.8 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

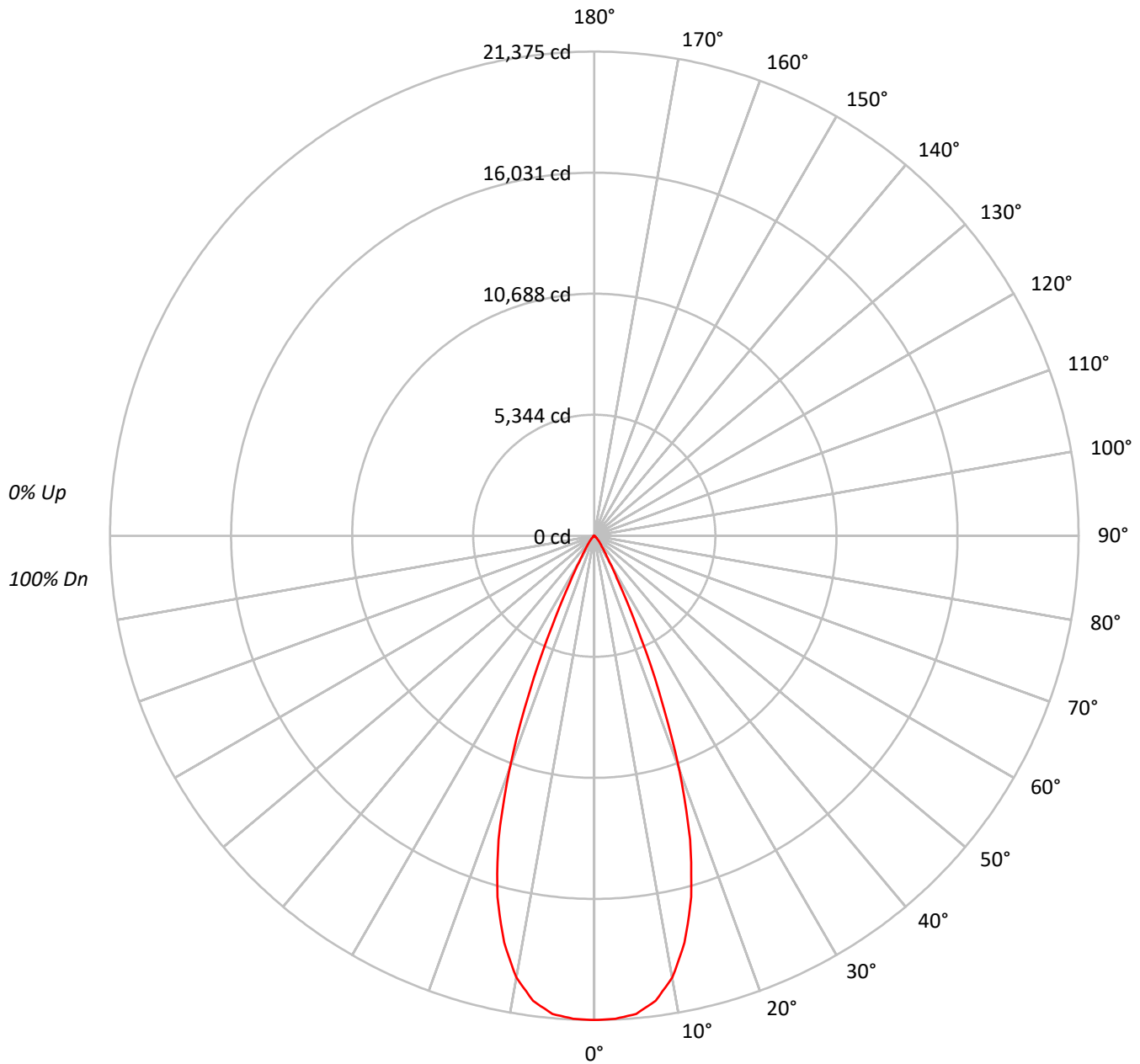


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	100	100				
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	96	96				
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92				
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	88	88				
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	84	84				
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	81	81				
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	77	77				
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	74	74				
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72				
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	69	69				
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	67	67				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2335481
5°	2324134
10°	2196814
15°	1867564
20°	1272886
25°	531097
30°	166990
35°	77615
40°	42917
45°	19686
50°	9553
55°	5238
60°	2732
65°	957
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1978.7	21.6
10°-20°	4432.7	48.3
20°-30°	2218.9	24.2
30°-40°	406.7	4.4
40°-50°	112.2	1.2
50°-60°	26.4	0.3
60°-70°	5.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	8630.2	94.0
0°-40°	9037.0	98.4
0°-60°	9175.6	99.9
0°-90°	9180.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9180.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21375	
5°	21190	###
15°	16510	4433
25°	4405	2219
35°	582	407
45°	127	112
55°	28	26
65°	4	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21375.3
2.5°	21344.1
5°	21190.5
7.5°	20701.0
10°	19800.7
12.5°	18397.1
15°	16510.3
17.5°	14056.6
20°	10947.4
22.5°	7463.5
25°	4405.4
27.5°	2328.8
30°	1323.6
32.5°	855.4
35°	581.9
37.5°	415.8
40°	300.9
42.5°	206.0
45°	127.4
47.5°	81.2
50°	56.2
52.5°	40.0
55°	27.5
57.5°	17.5
60°	12.5
62.5°	7.5
65°	3.7
67.5°	2.5
70°	1.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)