

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: P1320350

Luminaire Tested: LDSQA3D20R159840D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159840D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

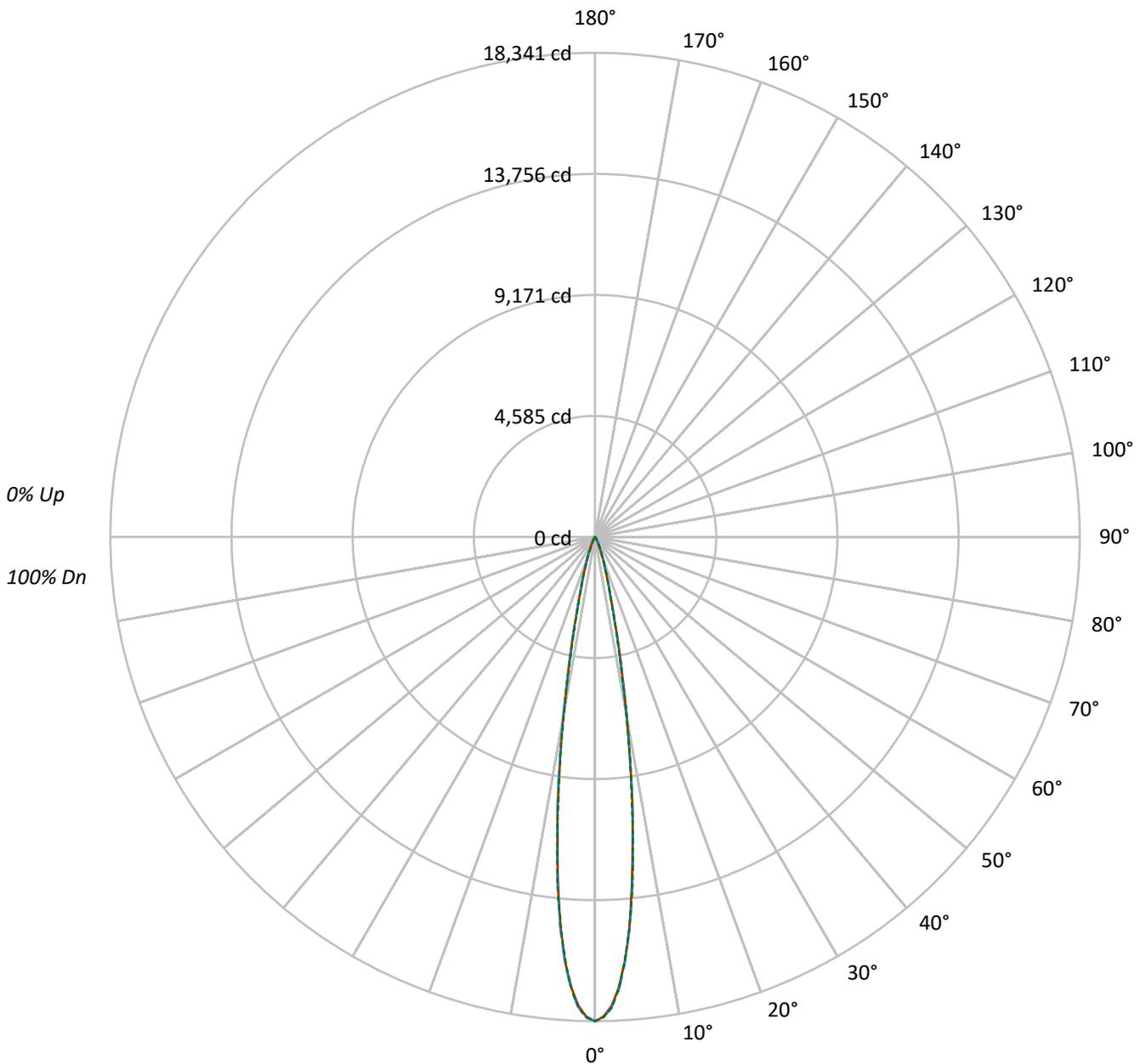
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2047.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3158735	3158735	3158735
5°	2571805	2580207	2575159
10°	1199691	1210446	1195161
15°	376726	379900	377599
20°	149260	155198	144513
25°	60295	72913	58148
30°	24142	33171	22870
35°	7148	14633	6812
40°	2181	5463	1821
45°	390	1193	390
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1148.3	56.1
10°-20°	686.8	33.6
20°-30°	173.2	8.5
30°-40°	35.4	1.7
40°-50°	3.3	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	2008.3	98.1
0°-40°	2043.7	99.8
0°-60°	2047.0	100.0
0°-90°	2047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2047.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18341	18341	18341	18341	18341	
5°	14876	14849	14925	14888	14896	1145
15°	2113	2131	2131	2100	2118	687
25°	317	346	384	340	306	163
35°	34	45	70	44	32	28
45°	2	3	5	3	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18341.0	18341.0	18341.0	18341.0	18341.0
1°	18175.9	18237.4	18205.0	18230.9	18201.8
2°	17782.5	17865.0	17839.1	17831.0	17853.7
3°	17089.5	17185.0	17181.8	17157.5	17118.6
4°	16143.9	16105.1	16165.0	16158.5	16092.1
5°	14876.2	14848.7	14924.8	14887.5	14895.6
6°	13325.1	13444.9	13419.0	13422.3	13453.0
7°	11659.1	11723.8	11778.9	11824.2	11761.1
8°	10129.0	10112.8	10117.7	10169.5	9994.6
9°	8416.0	8516.4	8451.6	8348.0	8414.4
10°	6860.1	6921.6	6921.6	6830.9	6834.2
11°	5469.3	5519.5	5483.9	5506.5	5364.0
12°	4408.8	4284.1	4255.0	4277.6	4276.0
13°	3366.1	3374.2	3366.1	3364.5	3348.3
14°	2639.1	2681.2	2663.4	2619.7	2600.3
15°	2112.9	2130.7	2130.7	2100.0	2117.8
17.5°	1269.4	1290.4	1295.3	1274.2	1274.2
20°	814.4	824.1	846.8	816.0	788.5
22.5°	501.9	523.0	561.8	516.5	493.8
25°	317.3	346.5	383.7	340.0	306.0
27.5°	199.1	223.4	255.8	213.7	192.7
30°	121.4	137.6	166.8	134.4	115.0
32.5°	68.0	81.0	105.2	77.7	64.8
35°	34.0	45.3	69.6	43.7	32.4
37.5°	19.4	24.3	43.7	21.0	17.8
40°	9.7	13.0	24.3	13.0	8.1
42.5°	3.2	6.5	9.7	6.5	3.2
45°	1.6	3.2	4.9	3.2	1.6
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)