

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: P1323875

Luminaire Tested: LDSQA3D13R209030D2WDE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209030D2WDE010 3LSQPHRL1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

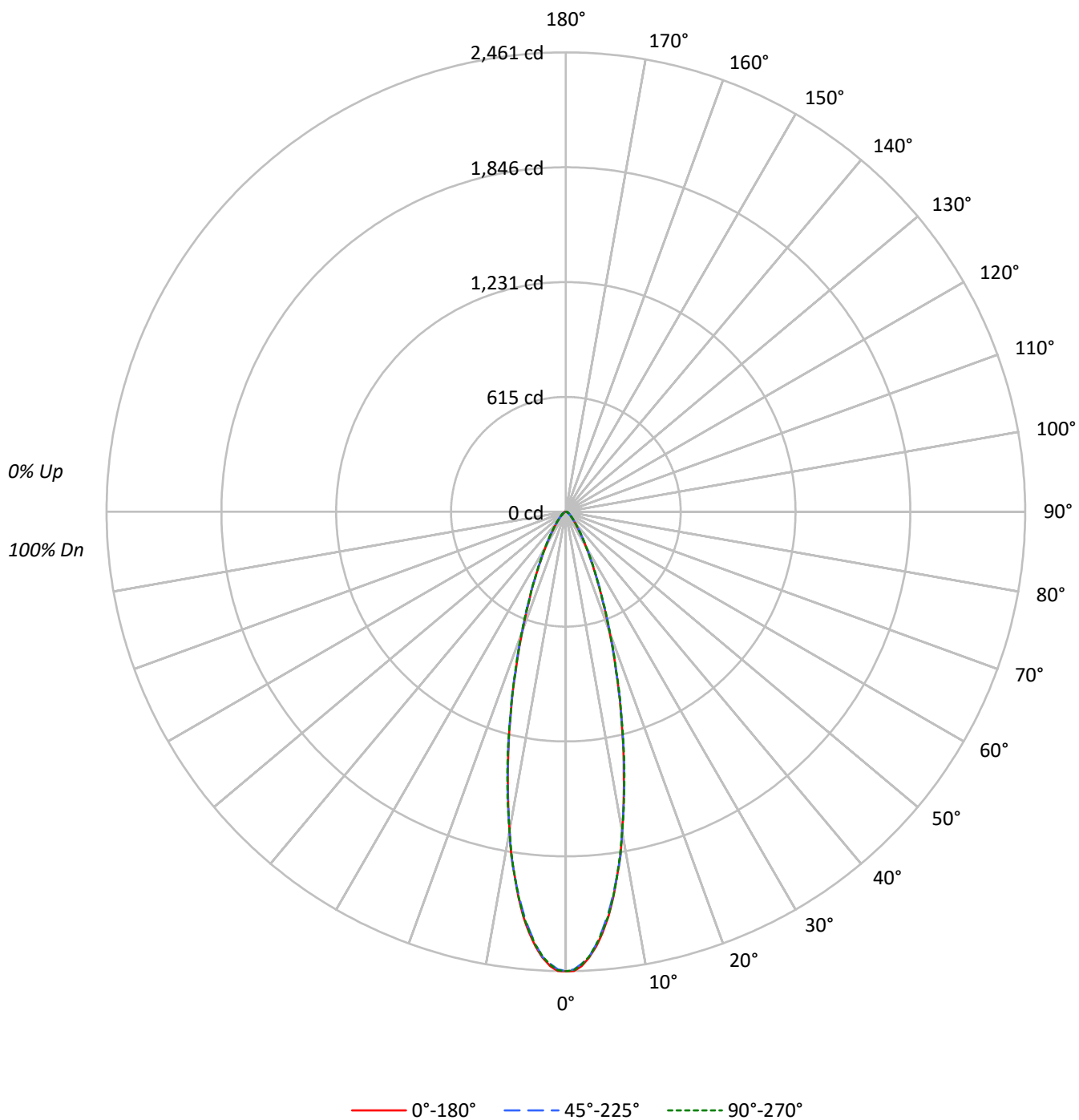
Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	423909	423909	423909
5°	391073	388843	390139
10°	303486	303853	303853
15°	205132	206077	206077
20°	124572	126149	126753
25°	73084	74091	73901
30°	42637	43492	43711
35°	26049	26722	26722
40°	16951	17199	17446
45°	11813	12081	12324
50°	8654	8949	8949
55°	6786	7116	7116
60°	5924	5924	6303
65°	5257	5257	5705
70°	4884	4884	4884
75°	4325	4325	4325
80°	3174	3174	4265
85°	2174	2174	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12324 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.5	22.9
10°-20°	317.9	36.7
20°-30°	184.1	21.3
30°-40°	82.5	9.5
40°-50°	39.1	4.5
50°-60°	21.4	2.5
60°-70°	13.0	1.5
70°-80°	7.0	0.8
80°-90°	1.5	0.2
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°	700.4	81.0
0°-40°	782.9	90.5
0°-60°	843.5	97.5
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2262	2255	2249	2254	2257	199
15°	1150	1150	1156	1150	1156	317
25°	385	385	390	387	389	182
35°	124	125	127	128	127	81
45°	48	48	50	50	51	38
55°	23	23	24	24	24	21
65°	13	13	13	13	14	13
75°	6	6	6	6	6	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2461.4	2461.4	2461.4	2461.4	2461.4
1°	2460.3	2453.9	2451.7	2449.6	2456.0
2°	2435.6	2428.0	2423.7	2425.9	2426.9
3°	2391.4	2387.1	2387.1	2383.9	2386.0
4°	2334.3	2325.7	2325.7	2326.8	2326.8
5°	2262.1	2254.6	2249.2	2253.5	2256.7
6°	2181.3	2171.7	2167.3	2168.4	2176.0
7°	2082.2	2069.3	2071.5	2076.9	2076.9
8°	1970.2	1969.1	1971.3	1969.1	1971.3
9°	1866.8	1851.7	1864.6	1853.9	1859.3
10°	1735.4	1734.3	1737.5	1740.8	1737.5
12.5°	1435.9	1441.3	1443.5	1439.1	1448.8
15°	1150.5	1150.5	1155.8	1150.5	1155.8
17.5°	895.2	894.1	898.4	894.1	900.5
20°	679.7	687.3	688.3	688.3	691.6
22.5°	512.8	512.8	517.1	518.1	516.0
25°	384.6	384.6	389.9	386.7	388.9
27.5°	284.4	286.5	290.8	293.0	293.0
30°	214.4	215.4	218.7	219.8	219.8
32.5°	161.6	163.7	165.9	167.0	168.0
35°	123.9	125.0	127.1	128.2	127.1
37.5°	94.8	95.9	98.0	99.1	99.1
40°	75.4	75.4	76.5	77.6	77.6
42.5°	59.2	60.3	60.3	61.4	61.4
45°	48.5	48.5	49.6	49.6	50.6
47.5°	38.8	38.8	39.9	40.9	40.9
50°	32.3	32.3	33.4	33.4	33.4
52.5°	26.9	26.9	28.0	28.0	28.0
55°	22.6	22.6	23.7	23.7	23.7
57.5°	19.4	19.4	20.5	20.5	20.5
60°	17.2	17.2	17.2	17.2	18.3
62.5°	15.1	15.1	15.1	15.1	15.1
65°	12.9	12.9	12.9	12.9	14.0
67.5°	10.8	10.8	10.8	10.8	11.8
70°	9.7	9.7	9.7	9.7	9.7
72.5°	7.5	7.5	7.5	8.6	8.6
75°	6.5	6.5	6.5	6.5	6.5
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.2	3.2	3.2	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)