

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: P1323730

Luminaire Tested: LDSQA3D09R209030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323730
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: LDSQA3D09R209030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

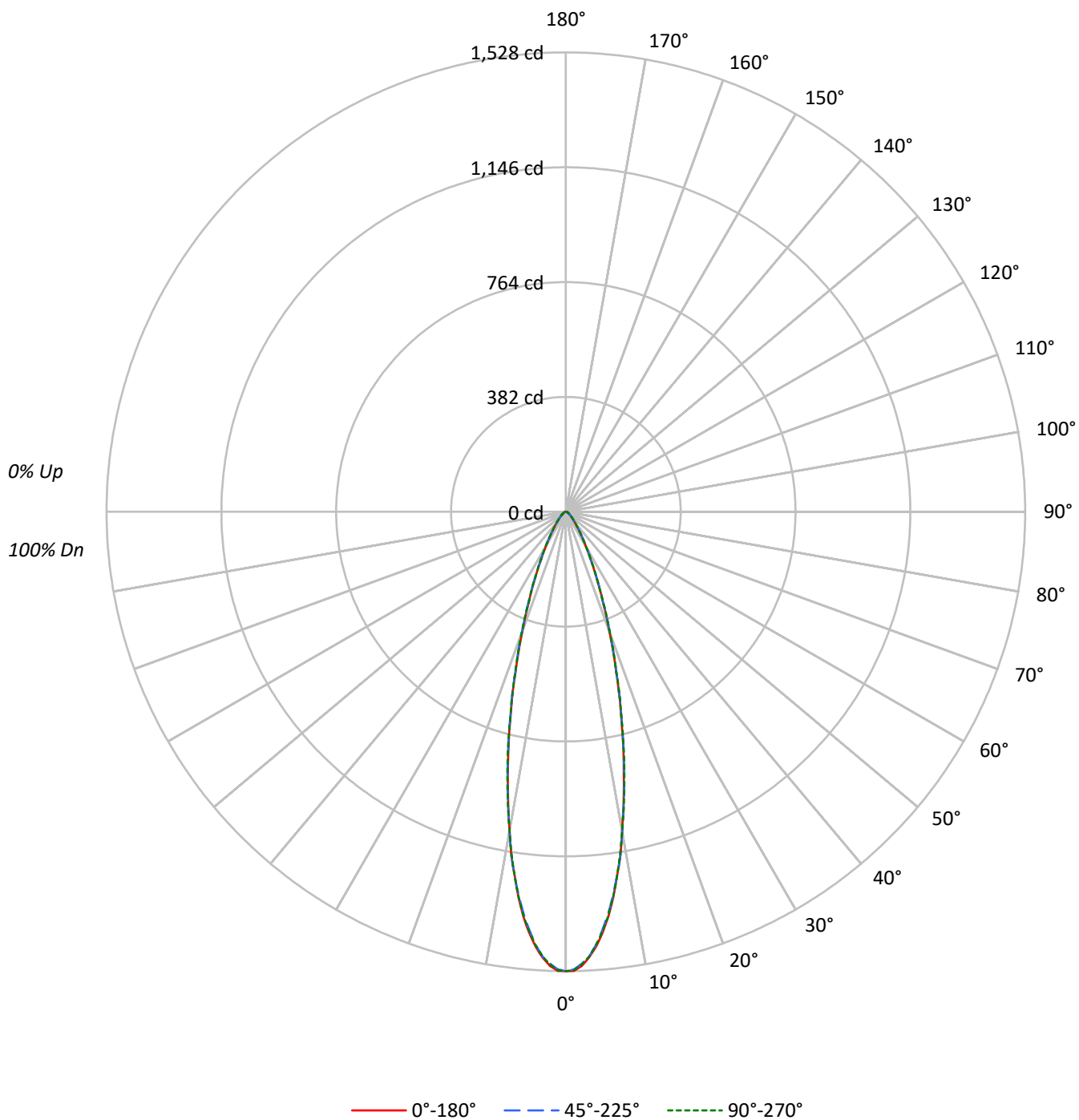
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	263173	263173	263173
5°	242793	241393	242206
10°	188398	188642	188642
15°	127340	127947	127947
20°	77342	78314	78680
25°	45359	46005	45872
30°	26469	27006	27125
35°	16168	16588	16588
40°	10522	10679	10814
45°	7331	7502	7648
50°	5385	5546	5546
55°	4204	4414	4414
60°	3686	3686	3927
65°	3260	3260	3545
70°	3021	3021	3021
75°	2662	2662	2662
80°	1984	1984	2678
85°	1383	1383	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	22.9
10°-20°	197.3	36.7
20°-30°	114.3	21.3
30°-40°	51.2	9.5
40°-50°	24.3	4.5
50°-60°	13.3	2.5
60°-70°	8.1	1.5
70°-80°	4.3	0.8
80°-90°	0.9	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°	434.8	81.0
0°-40°	486.1	90.5
0°-60°	523.6	97.5
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1404	1400	1396	1399	1401	124
15°	714	714	718	714	718	197
25°	239	239	242	240	241	113
35°	77	78	79	80	79	50
45°	30	30	31	31	31	24
55°	14	14	15	15	15	13
65°	8	8	8	8	9	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.1	1528.1	1528.1	1528.1	1528.1
1°	1527.4	1523.4	1522.1	1520.7	1524.7
2°	1512.0	1507.3	1504.7	1506.0	1506.7
3°	1484.6	1481.9	1481.9	1479.9	1481.3
4°	1449.2	1443.8	1443.8	1444.5	1444.5
5°	1404.4	1399.7	1396.3	1399.0	1401.0
6°	1354.2	1348.2	1345.5	1346.2	1350.9
7°	1292.7	1284.7	1286.0	1289.3	1289.3
8°	1223.1	1222.5	1223.8	1222.5	1223.8
9°	1158.9	1149.6	1157.6	1150.9	1154.2
10°	1077.3	1076.7	1078.7	1080.7	1078.7
12.5°	891.4	894.8	896.1	893.4	899.5
15°	714.2	714.2	717.6	714.2	717.6
17.5°	555.7	555.1	557.7	555.1	559.1
20°	422.0	426.7	427.3	427.3	429.3
22.5°	318.3	318.3	321.0	321.7	320.3
25°	238.7	238.7	242.1	240.1	241.4
27.5°	176.5	177.9	180.6	181.9	181.9
30°	133.1	133.7	135.8	136.4	136.4
32.5°	100.3	101.6	103.0	103.7	104.3
35°	76.9	77.6	78.9	79.6	78.9
37.5°	58.8	59.5	60.9	61.5	61.5
40°	46.8	46.8	47.5	48.1	48.1
42.5°	36.8	37.4	37.4	38.1	38.1
45°	30.1	30.1	30.8	30.8	31.4
47.5°	24.1	24.1	24.7	25.4	25.4
50°	20.1	20.1	20.7	20.7	20.7
52.5°	16.7	16.7	17.4	17.4	17.4
55°	14.0	14.0	14.7	14.7	14.7
57.5°	12.0	12.0	12.7	12.7	12.7
60°	10.7	10.7	10.7	10.7	11.4
62.5°	9.4	9.4	9.4	9.4	9.4
65°	8.0	8.0	8.0	8.0	8.7
67.5°	6.7	6.7	6.7	6.7	7.4
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.7	4.7	4.7	5.3	5.3
75°	4.0	4.0	4.0	4.0	4.0
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.0	2.0	2.0	2.7	2.7
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)