

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: P1323673

Luminaire Tested: LDSQA3D05R559030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

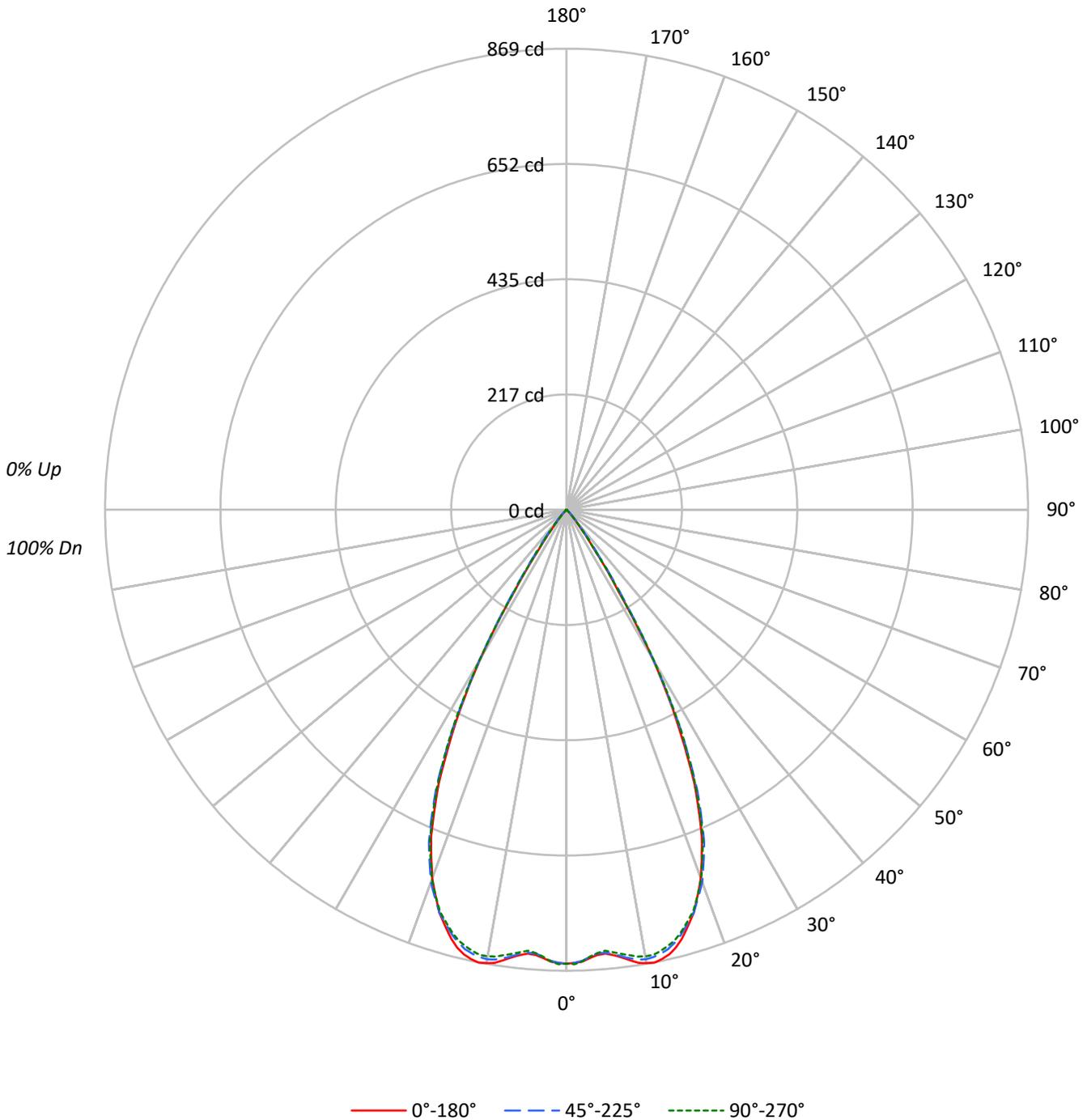
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147319	147319	147319
5°	145220	144960	144269
10°	151778	150466	149504
15°	149414	148076	147452
20°	135477	136852	135844
25°	108334	110615	109569
30°	64969	64969	65765
35°	18775	22223	19406
40°	5373	7284	5373
45°	1218	2801	1218
50°	536	938	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	504	504	504
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	12.4
10°-20°	231.2	35.2
20°-30°	254.7	38.8
30°-40°	77.9	11.9
40°-50°	7.7	1.2
50°-60°	1.4	0.2
60°-70°	1.1	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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°	567.0	86.4
0°-40°	644.9	98.3
0°-60°	654.0	99.7
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	840	840	838	836	834	81
15°	838	836	830	827	827	232
25°	570	576	582	588	577	251
35°	89	94	106	97	92	73
45°	5	8	12	8	5	6
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.4	855.4	855.4	855.4	855.4
1°	854.4	854.9	854.4	853.4	856.9
2°	852.4	851.9	850.5	850.0	851.5
3°	846.0	846.0	844.0	843.0	843.5
4°	841.0	841.0	838.0	837.0	837.5
5°	840.0	840.0	838.5	836.0	834.5
6°	844.0	845.0	841.5	839.0	839.0
7°	850.0	850.5	848.0	844.5	843.5
8°	857.4	857.9	853.9	850.0	848.0
9°	864.9	863.9	858.4	854.4	852.9
10°	867.9	867.4	860.4	856.4	854.9
11°	869.4	866.9	858.9	855.4	854.9
12°	865.9	863.9	855.4	851.9	850.5
13°	859.9	856.9	850.0	846.5	844.5
14°	850.5	847.5	841.0	837.0	837.5
15°	838.0	836.5	830.5	827.0	827.0
17.5°	796.6	797.6	796.1	794.6	793.6
20°	739.2	743.2	746.7	744.7	741.2
22.5°	665.9	672.9	676.9	677.9	671.4
25°	570.1	575.6	582.1	587.6	576.6
27.5°	450.9	455.9	461.9	465.4	463.9
30°	326.7	327.2	326.7	333.2	330.7
32.5°	181.6	196.5	199.0	203.5	187.5
35°	89.3	93.8	105.7	97.3	92.3
37.5°	42.9	45.9	57.4	46.9	44.9
40°	23.9	25.9	32.4	26.9	23.9
42.5°	11.5	15.0	17.5	15.5	11.5
45°	5.0	7.5	11.5	7.5	5.0
47.5°	2.0	3.0	7.0	3.0	2.0
50°	2.0	1.5	3.5	1.5	1.5
52.5°	1.5	1.5	2.0	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.5	1.5	1.5	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.5	1.0	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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)