

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: P1308982

Luminaire Tested: LDSQA3D05R559030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308982
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: LDSQA3D05R559030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

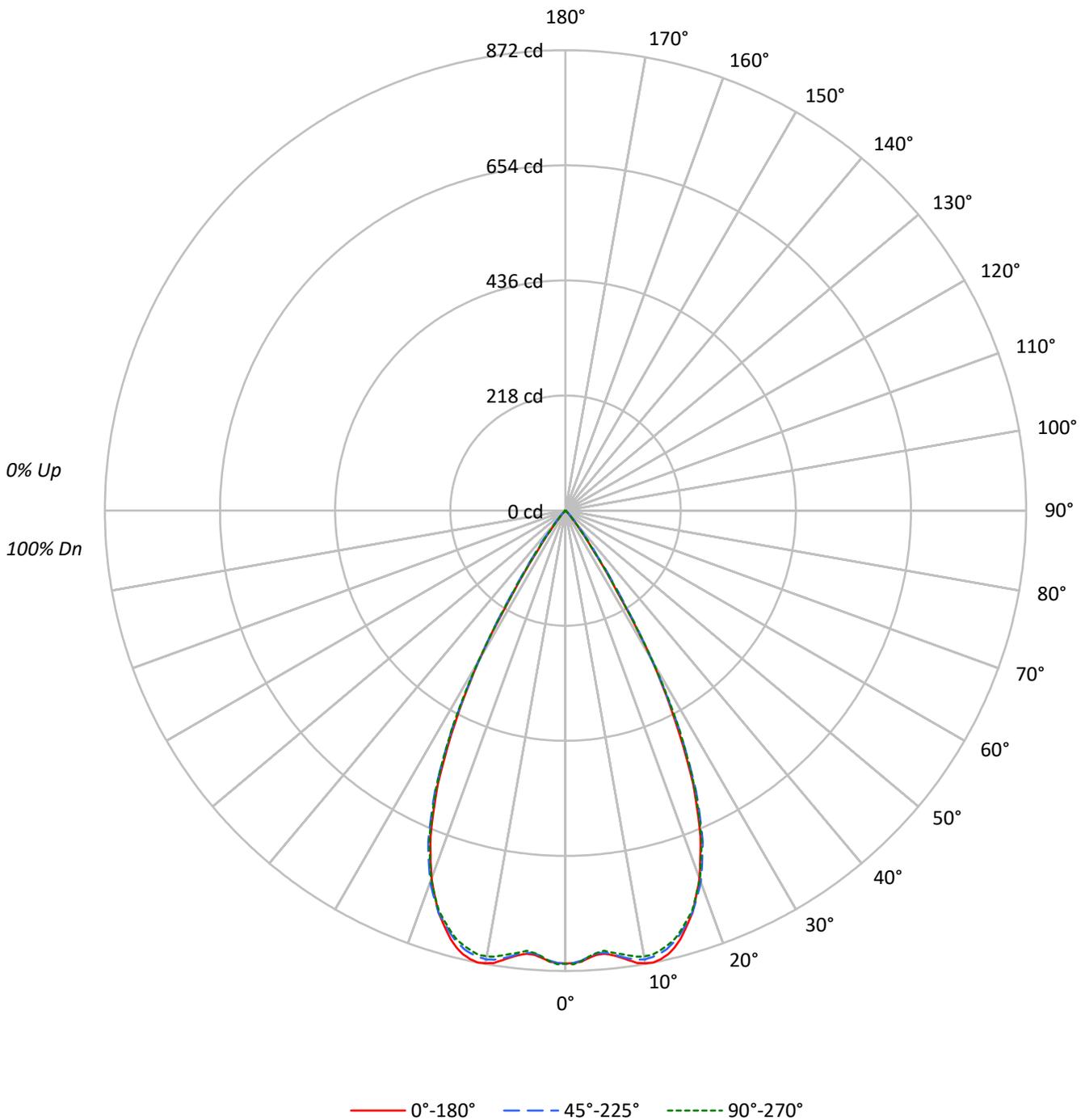
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 658.0 lumens
Efficiency: N/A
Efficacy: 91.4 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): 7.2
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

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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	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°	147767	147767	147767
5°	145652	145393	144701
10°	152250	150938	149959
15°	149859	148522	147898
20°	135899	137273	136265
25°	108676	110957	109911
30°	65168	65168	65964
35°	18838	22307	19469
40°	5396	7307	5396
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°	81.3	12.4
10°-20°	231.9	35.2
20°-30°	255.5	38.8
30°-40°	78.1	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°	568.7	86.4
0°-40°	646.9	98.3
0°-60°	656.0	99.7
0°-90°	658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	658.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	842	842	841	838	837	82
15°	840	839	833	830	830	233
25°	572	577	584	589	578	252
35°	90	94	106	98	93	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°	858.0	858.0	858.0	858.0	858.0
1°	857.0	857.5	857.0	856.0	859.5
2°	855.0	854.5	853.0	852.5	854.0
3°	848.5	848.5	846.5	845.5	846.0
4°	843.5	843.5	840.5	839.5	840.0
5°	842.5	842.5	841.0	838.5	837.0
6°	846.5	847.5	844.0	841.5	841.5
7°	852.5	853.0	850.5	847.0	846.0
8°	860.1	860.6	856.5	852.5	850.5
9°	867.6	866.6	861.1	857.0	855.5
10°	870.6	870.1	863.1	859.0	857.5
11°	872.1	869.6	861.6	858.0	857.5
12°	868.6	866.6	858.0	854.5	853.0
13°	862.6	859.5	852.5	849.0	847.0
14°	853.0	850.0	843.5	839.5	840.0
15°	840.5	839.0	833.0	829.5	829.5
17.5°	799.0	800.0	798.5	797.0	796.0
20°	741.5	745.5	749.0	747.0	743.5
22.5°	667.9	674.9	678.9	679.9	673.4
25°	571.9	577.4	583.9	589.4	578.4
27.5°	452.3	457.3	463.3	466.8	465.3
30°	327.7	328.2	327.7	334.2	331.7
32.5°	182.1	197.1	199.6	204.1	188.1
35°	89.6	94.1	106.1	97.6	92.6
37.5°	43.0	46.0	57.5	47.0	45.0
40°	24.0	26.0	32.5	27.0	24.0
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)