

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: P1313341

Luminaire Tested: LDSQA3D05R259727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

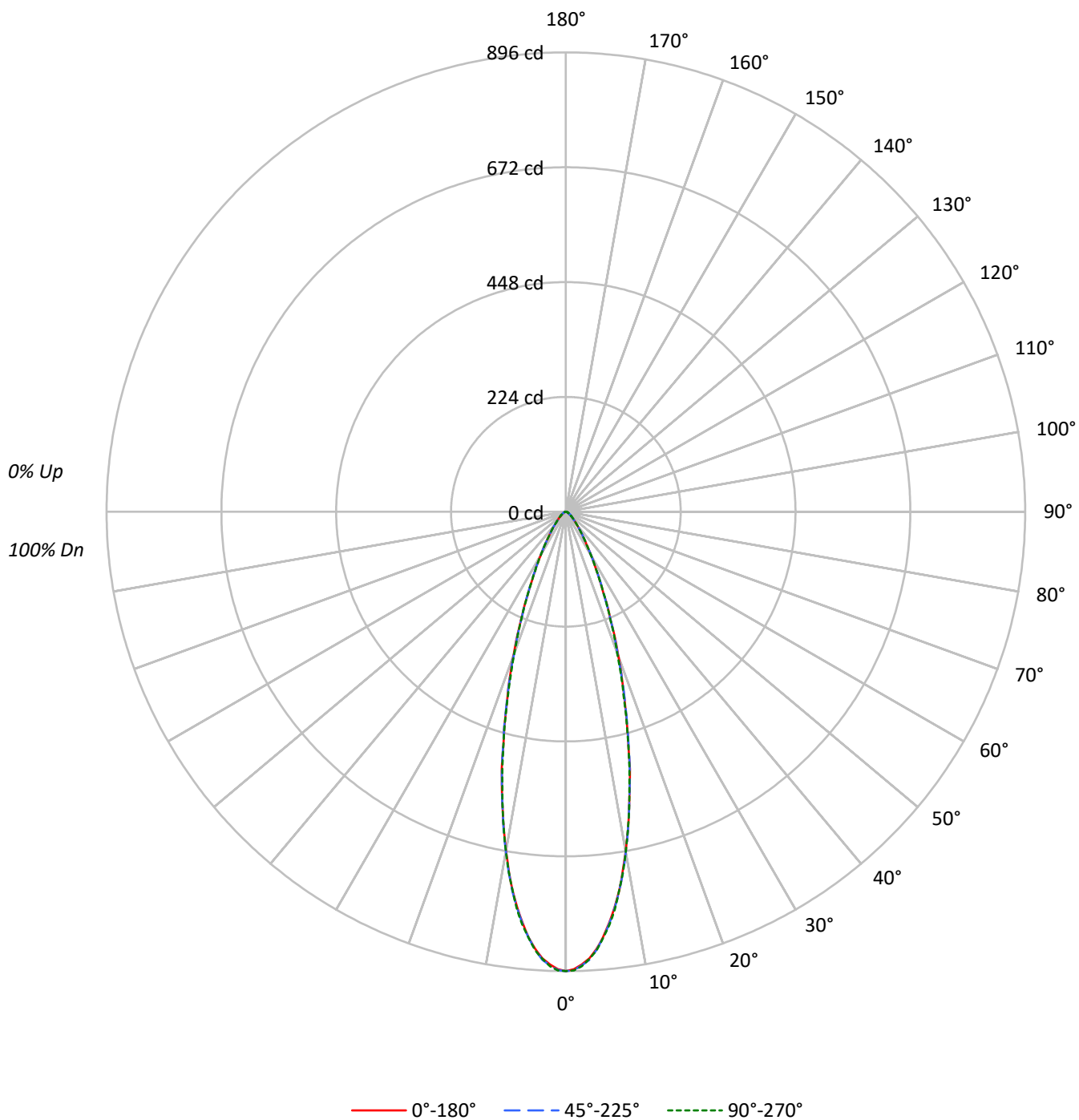
Lumens per Lamp: N/A
Luminaire Lumens: 359.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	154311	154311	154311
5°	144027	144165	144251
10°	117484	117851	117851
15°	83907	84353	83907
20°	54909	54378	53608
25°	32647	32818	32647
30°	19668	19668	19588
35°	11984	12068	11984
40°	7621	7734	7734
45°	5310	5310	5310
50°	3805	3939	3939
55°	3033	3033	3153
60°	2446	2583	2583
65°	2201	2201	2201
70°	1913	1913	2115
75°	1664	1664	1930
80°	1686	1686	1686
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5310 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	20.7
10°-20°	129.8	36.1
20°-30°	81.6	22.7
30°-40°	37.3	10.4
40°-50°	17.4	4.9
50°-60°	9.4	2.6
60°-70°	5.5	1.5
70°-80°	2.9	0.8
80°-90°	0.6	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°	285.8	79.6
0°-40°	323.1	90.0
0°-60°	350.0	97.5
0°-90°	359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	833	835	834	835	834	74
15°	471	474	473	474	471	130
25°	172	174	173	173	172	82
35°	57	57	57	57	57	37
45°	22	22	22	22	22	17
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	896.0	896.0	896.0	896.0	896.0
1°	892.2	893.0	893.9	895.1	894.7
2°	883.8	885.5	885.9	887.6	887.2
3°	872.5	872.1	875.4	875.4	873.3
4°	854.9	855.7	856.6	857.4	857.8
5°	833.1	834.8	833.9	834.8	834.4
6°	806.3	808.8	808.4	809.2	810.5
7°	777.8	779.5	779.5	778.6	782.0
8°	746.8	745.5	747.6	746.8	746.4
9°	709.9	712.4	712.8	710.7	711.6
10°	671.8	673.4	673.9	675.1	673.9
11°	634.0	634.0	634.9	637.0	633.6
12°	593.0	596.8	593.0	594.7	593.0
13°	554.0	554.8	554.0	553.6	550.7
14°	517.1	514.2	515.0	511.7	512.1
15°	470.6	473.5	473.1	474.0	470.6
17.5°	378.4	380.1	379.7	378.8	374.6
20°	299.6	299.6	296.7	295.0	292.5
22.5°	228.8	228.0	226.7	225.5	226.3
25°	171.8	173.9	172.7	172.7	171.8
27.5°	129.9	132.4	130.3	129.1	129.9
30°	98.9	99.7	98.9	98.5	98.5
32.5°	74.6	75.0	74.6	74.6	74.6
35°	57.0	57.0	57.4	57.4	57.0
37.5°	44.0	44.0	44.0	44.0	44.4
40°	33.9	34.4	34.4	34.4	34.4
42.5°	26.8	27.2	27.2	27.2	27.2
45°	21.8	21.8	21.8	21.8	21.8
47.5°	17.6	17.6	17.6	17.6	18.0
50°	14.2	14.7	14.7	14.7	14.7
52.5°	12.2	12.2	12.2	12.2	12.2
55°	10.1	10.1	10.1	10.5	10.5
57.5°	8.4	8.4	8.8	8.8	8.8
60°	7.1	7.5	7.5	7.5	7.5
62.5°	6.3	6.3	6.7	6.7	6.7
65°	5.4	5.4	5.4	5.4	5.4
67.5°	4.6	4.6	4.6	4.6	5.0
70°	3.8	3.8	3.8	4.2	4.2
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.5	2.5	2.5	2.9	2.9
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.7	1.7	1.7	1.7	1.7
82.5°	0.8	0.8	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
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)