

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: P1317172

Luminaire Tested: LDSQA3D05R259827DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259827DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

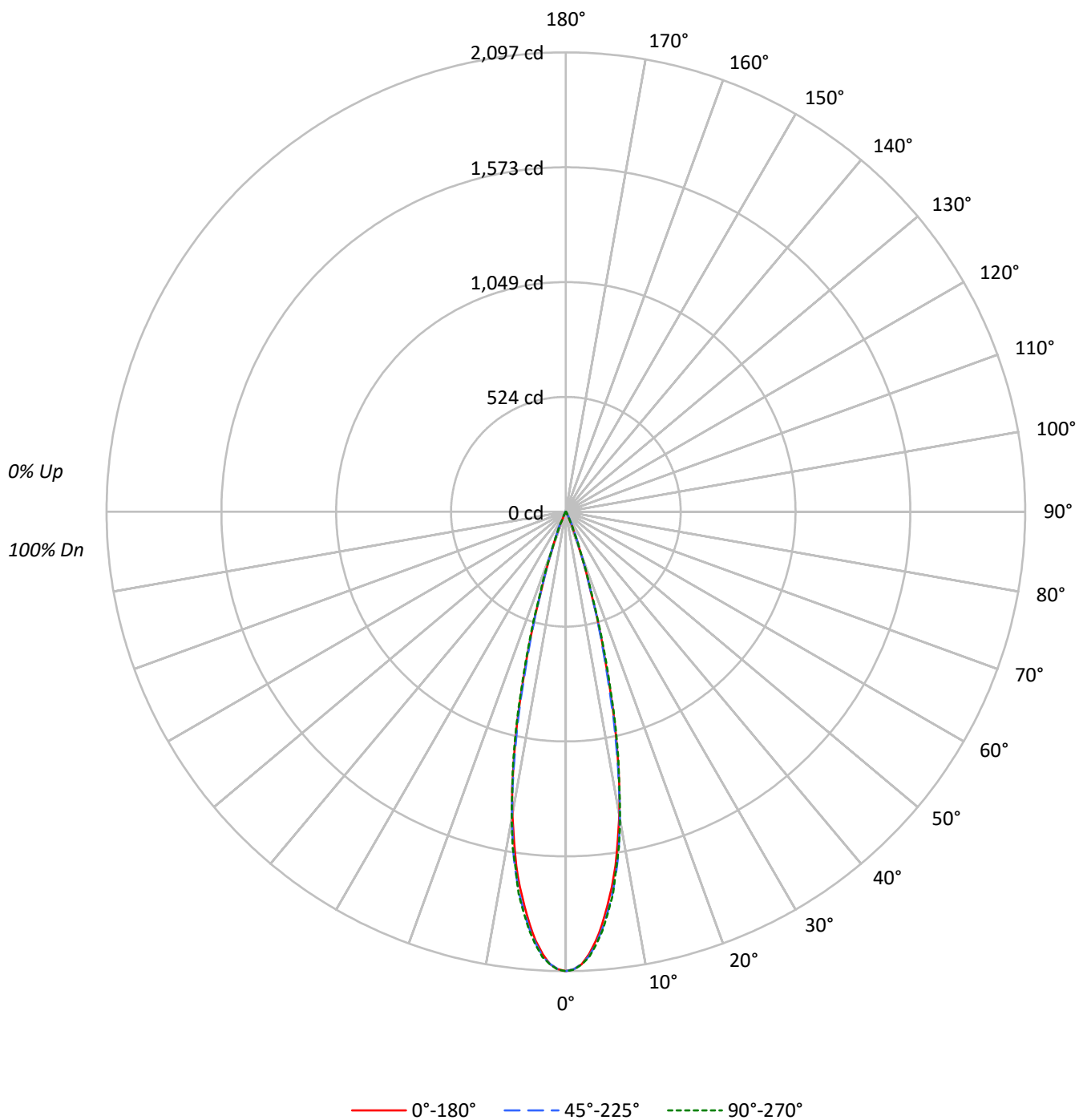
Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	96	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	94	94	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	92	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	89	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	87	87	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	86	86	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	84	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	82	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	361151	361151	361151
5°	327263	330254	331861
10°	246020	247769	248923
15°	121813	118194	126057
20°	34401	34969	35354
25°	5967	11288	7088
30°	2327	2406	2466
35°	736	799	799
40°	225	315	225
45°	170	73	170
50°	80	0	80
55°	90	0	90
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.6	43.0
10°-20°	187.9	48.5
20°-30°	29.1	7.5
30°-40°	3.0	0.8
40°-50°	0.4	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	383.6	99.1
0°-40°	386.5	99.9
0°-60°	387.0	100.0
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2097	2097	2097	2097	2097	
5°	1893	1896	1910	1918	1920	165
15°	683	678	663	692	707	187
25°	31	47	59	45	37	26
35°	4	4	4	4	4	3
45°	1	0	0	0	1	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2097.0	2097.0	2097.0	2097.0	2097.0
1°	2088.3	2091.1	2088.0	2091.4	2091.1
2°	2066.6	2069.4	2065.6	2067.6	2067.6
3°	2022.1	2028.0	2031.4	2033.8	2035.9
4°	1963.4	1970.0	1975.2	1981.4	1981.4
5°	1893.0	1896.5	1910.3	1917.9	1919.6
6°	1809.2	1823.0	1833.3	1848.5	1839.2
7°	1725.3	1736.7	1751.2	1753.6	1760.2
8°	1630.1	1642.2	1655.6	1653.2	1647.7
9°	1514.2	1531.7	1547.6	1542.4	1549.3
10°	1406.8	1417.5	1416.8	1411.7	1423.4
11°	1282.3	1284.7	1271.2	1292.3	1279.5
12°	1134.6	1136.6	1119.4	1140.1	1153.2
13°	993.1	988.3	964.5	991.7	1008.3
14°	830.2	832.0	801.6	854.4	850.2
15°	683.2	678.4	662.9	692.5	707.0
17.5°	364.0	367.2	363.4	378.2	387.5
20°	187.7	192.9	190.8	197.0	192.9
22.5°	97.3	104.6	106.6	101.8	88.7
25°	31.4	46.6	59.4	45.2	37.3
27.5°	19.0	18.6	29.0	20.0	20.4
30°	11.7	11.4	12.1	12.1	12.4
32.5°	6.6	6.9	6.6	7.2	6.9
35°	3.5	3.8	3.8	4.1	3.8
37.5°	2.1	2.4	2.4	2.4	2.1
40°	1.0	1.4	1.4	1.0	1.0
42.5°	0.7	0.7	0.7	0.7	0.7
45°	0.7	0.3	0.3	0.3	0.7
47.5°	0.3	0.3	0.0	0.3	0.3
50°	0.3	0.3	0.0	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
55°	0.3	0.0	0.0	0.0	0.3
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
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)