

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: P1306831

Luminaire Tested: LDSQA3D05R309024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

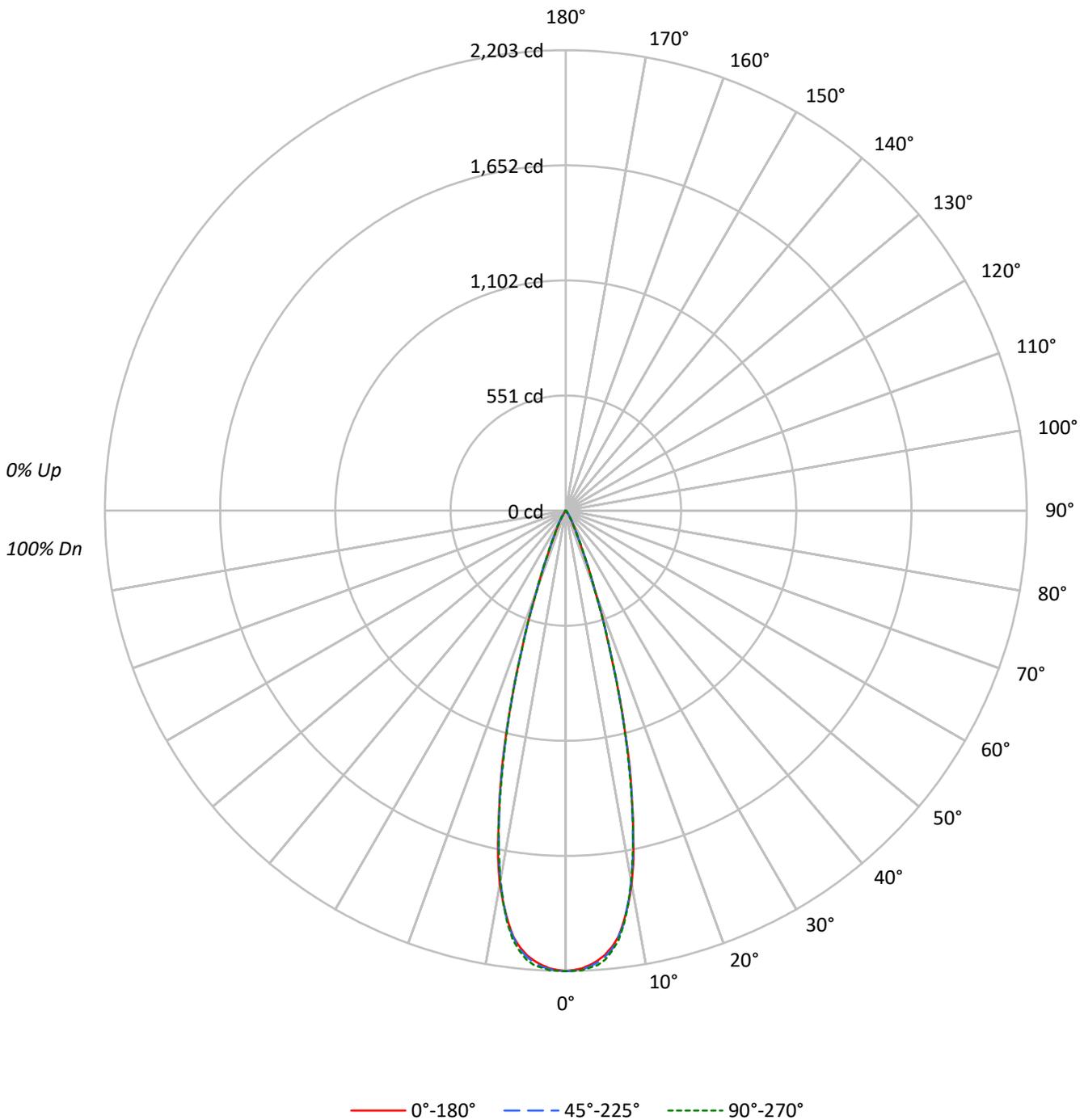
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 573.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	379441	379441	379441
5°	369048	370639	372938
10°	317336	314626	314940
15°	194987	193418	193578
20°	74208	74373	72999
25°	23601	24855	23696
30°	9486	11773	9764
35°	3070	5214	3070
40°	1394	2293	1394
45°	536	974	536
50°	241	482	241
55°	270	270	270
60°	310	310	310
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 974 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	33.9
10°-20°	288.3	50.3
20°-30°	71.6	12.5
30°-40°	14.3	2.5
40°-50°	2.6	0.5
50°-60°	0.8	0.1
60°-70°	0.6	0.1
70°-80°	0.4	0.1
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°	554.3	96.7
0°-40°	568.6	99.2
0°-60°	572.0	99.8
0°-90°	573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2203	2203	2203	2203	2203	
5°	2135	2142	2144	2147	2157	194
15°	1094	1096	1085	1088	1086	289
25°	124	127	131	129	125	70
35°	15	19	25	19	15	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	2203.2	2203.2	2203.2	2203.2	2203.2
1°	2198.3	2201.0	2202.7	2202.7	2202.7
2°	2192.1	2193.9	2196.5	2197.0	2200.5
3°	2177.5	2181.5	2185.9	2188.6	2190.4
4°	2159.9	2165.2	2167.8	2174.4	2180.2
5°	2134.7	2141.7	2143.9	2147.0	2157.2
6°	2100.6	2105.9	2110.3	2111.7	2117.9
7°	2055.5	2058.2	2057.3	2059.5	2070.6
8°	1987.0	1987.9	1995.4	1990.6	1998.1
9°	1905.7	1902.1	1900.4	1903.9	1904.4
10°	1814.6	1802.7	1799.1	1796.0	1800.9
11°	1696.6	1681.1	1682.4	1681.6	1674.5
12°	1549.8	1548.1	1536.6	1538.8	1549.4
13°	1400.0	1403.1	1400.9	1403.5	1391.6
14°	1259.4	1244.4	1248.3	1233.3	1239.1
15°	1093.6	1095.8	1084.8	1088.3	1085.7
17.5°	700.2	705.1	701.5	698.4	703.3
20°	404.9	404.5	405.8	401.8	398.3
22.5°	213.1	216.2	220.1	220.6	223.2
25°	124.2	126.9	130.8	129.1	124.7
27.5°	76.0	80.9	87.1	82.7	77.4
30°	47.7	51.7	59.2	52.2	49.1
32.5°	27.0	32.7	38.9	32.7	27.0
35°	14.6	19.0	24.8	18.6	14.6
37.5°	9.7	11.1	16.4	11.1	9.7
40°	6.2	7.5	10.2	7.5	6.2
42.5°	3.5	4.9	5.7	4.9	3.5
45°	2.2	2.7	4.0	3.1	2.2
47.5°	0.9	1.3	2.7	1.3	1.3
50°	0.9	0.9	1.8	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)