

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: P1319815

Luminaire Tested: LDSQA3D05R309840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

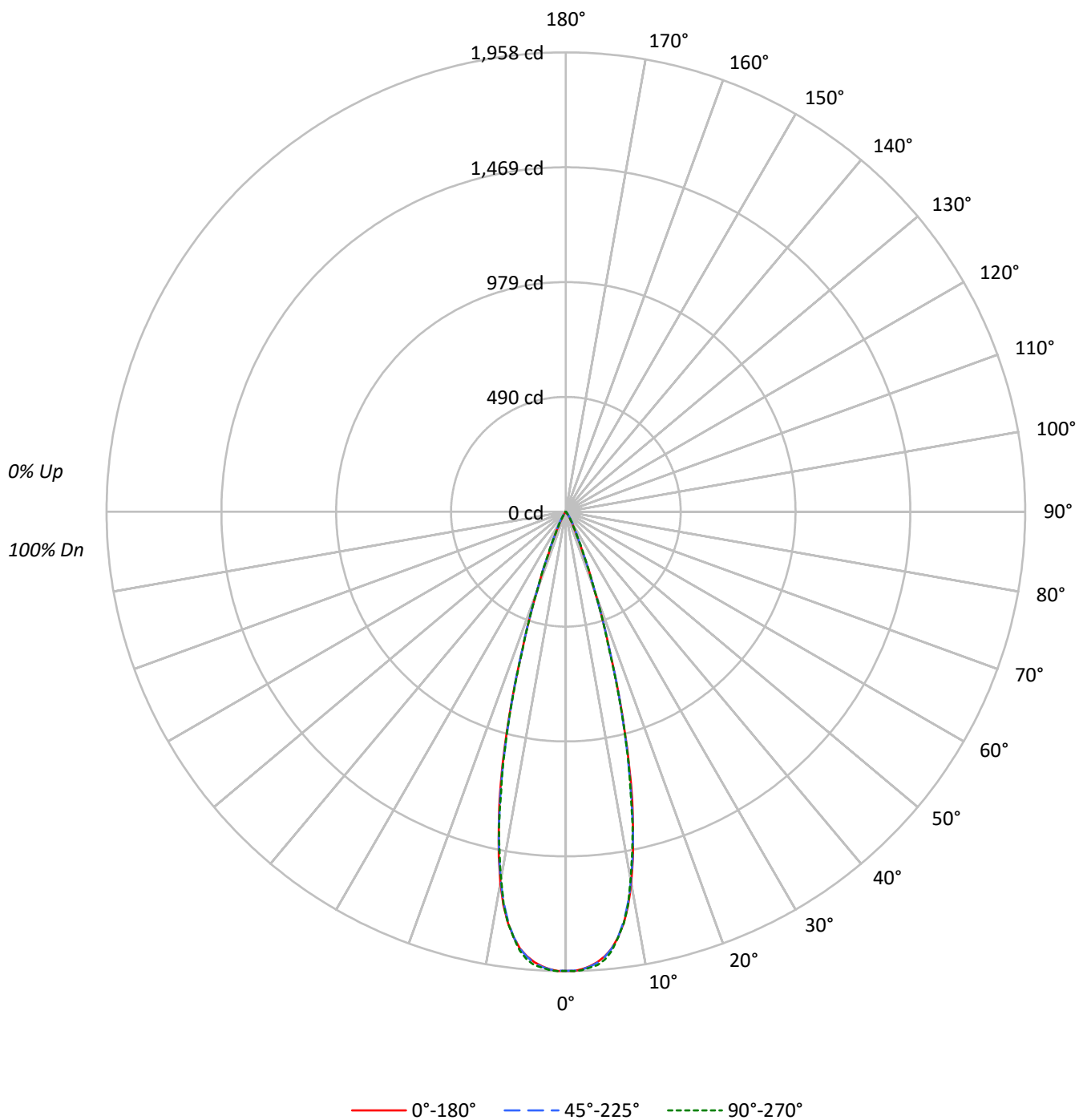
Lumens per Lamp: N/A
Luminaire Lumens: 505.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	337057	337057	337057
5°	328836	329251	331083
10°	280856	279545	277901
15°	173323	171291	171915
20°	65503	65869	65796
25°	20143	22100	21055
30°	8114	10301	8432
35°	2397	4373	2481
40°	967	1776	967
45°	195	585	195
50°	0	107	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	34.2
10°-20°	255.6	50.6
20°-30°	63.4	12.6
30°-40°	11.9	2.4
40°-50°	1.5	0.3
50°-60°	0.0	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°	491.6	97.3
0°-40°	503.5	99.7
0°-60°	505.0	100.0
0°-90°	505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1902	1901	1904	1908	1915	173
15°	972	963	961	968	964	257
25°	106	113	116	116	111	61
35°	11	15	21	15	12	10
45°	1	1	2	2	1	1
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°	1957.1	1957.1	1957.1	1957.1	1957.1
1°	1957.9	1956.3	1956.3	1954.0	1958.3
2°	1950.8	1949.3	1952.0	1950.0	1955.5
3°	1940.2	1938.3	1942.2	1943.4	1946.1
4°	1924.5	1922.9	1927.3	1929.6	1937.1
5°	1902.1	1901.3	1904.5	1907.6	1915.1
6°	1871.5	1870.3	1872.3	1876.2	1880.9
7°	1827.1	1824.8	1826.3	1827.1	1828.3
8°	1770.9	1767.4	1765.4	1769.8	1772.1
9°	1698.7	1694.8	1690.4	1688.9	1694.4
10°	1606.0	1600.1	1598.5	1594.6	1589.1
11°	1498.4	1493.7	1492.5	1485.4	1482.3
12°	1375.0	1372.7	1375.4	1371.1	1369.5
13°	1256.8	1241.9	1239.9	1231.7	1227.4
14°	1117.0	1103.3	1102.9	1098.5	1104.4
15°	972.1	962.6	960.7	968.1	964.2
17.5°	619.8	626.1	624.5	620.6	613.9
20°	357.4	353.1	359.4	360.9	359.0
22.5°	190.5	192.1	193.2	197.9	201.1
25°	106.0	113.1	116.3	115.9	110.8
27.5°	66.0	70.3	76.2	72.3	67.9
30°	40.8	44.4	51.8	44.8	42.4
32.5°	22.0	27.9	33.4	27.9	22.8
35°	11.4	14.9	20.8	15.3	11.8
37.5°	7.5	8.6	13.4	8.6	7.5
40°	4.3	5.5	7.9	5.5	4.3
42.5°	2.0	3.1	4.3	3.1	2.0
45°	0.8	1.2	2.4	1.6	0.8
47.5°	0.0	0.4	1.2	0.4	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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)