

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: P1326556

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

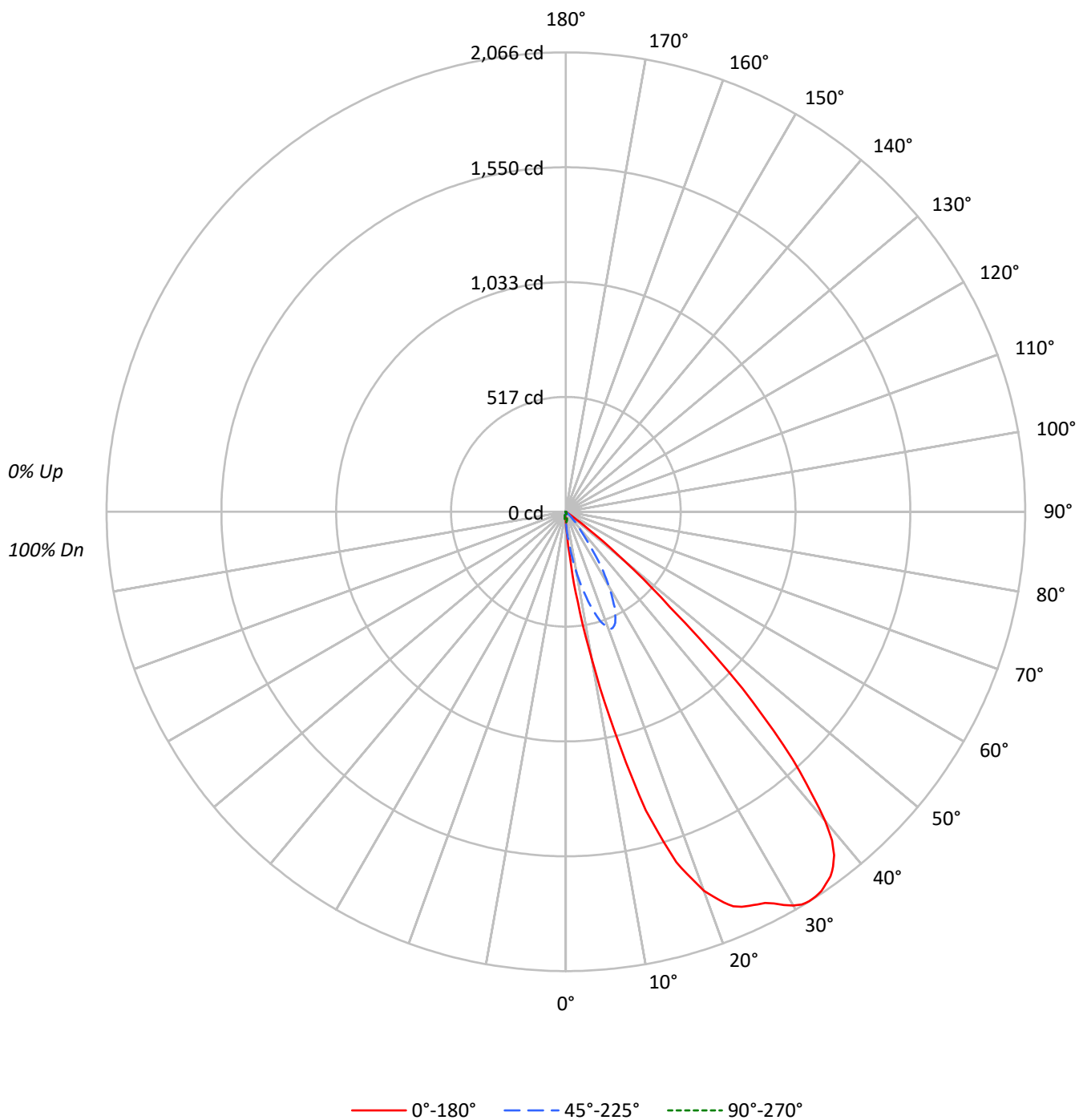
Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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

TEST NUMBER: P1326556

CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS_5000K

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	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8008	8008	8008	8008	8008
5°	34801	21575	7434	2645	1833
10°	117134	48686	5561	612	210
15°	247888	79860	3459	0	0
20°	332370	102048	1613	0	0
25°	371464	100220	342	0	0
30°	406660	76782	0	0	0
35°	429173	41839	0	0	0
40°	407982	18795	0	0	0
45°	273834	8305	0	0	0
50°	91472	777	0	0	0
55°	4954	0	0	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	0	0
85°	0	1186	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 273834 cd/sqm

TEST NUMBER: P1326556

CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	1.6
10°-20°	85.6	13.9
20°-30°	187.8	30.4
30°-40°	217.3	35.2
40°-50°	107.2	17.4
50°-60°	7.9	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	0.1
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°	283.4	45.9
0°-40°	500.7	81.1
0°-60°	615.9	99.8
0°-90°	617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	201	125	43	15	11	35
15°	1390	448	19	0	0	392
25°	1955	527	2	0	0	904
35°	2041	199	0	0	0	1260
45°	1124	34	0	0	0	825
55°	16	0	0	0	0	67
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	0	0
90°	0	0	0	0	0	

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CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MMS_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
2.5°	92.4	94.8	93.6	93.6	93.0	90.1	84.8	83.0	76.5	60.6	47.1
5°	201.3	201.9	200.1	191.3	183.6	176.6	161.3	154.2	124.8	74.2	43.0
7.5°	408.5	399.7	388.5	376.1	349.1	324.3	292.0	257.8	193.1	85.9	38.3
10°	669.8	657.5	648.1	618.6	569.8	519.2	457.4	401.4	278.4	94.2	31.8
12.5°	1007.1	1000.1	966.5	907.6	835.2	762.3	654.5	565.7	364.4	95.9	25.9
15°	1390.3	1378.5	1327.3	1243.7	1145.4	1030.7	886.5	736.9	447.9	90.6	19.4
17.5°	1652.2	1645.8	1601.6	1513.9	1400.9	1254.9	1084.2	897.6	516.8	79.5	13.5
20°	1813.5	1804.1	1762.9	1688.7	1570.4	1418.0	1215.5	1000.1	556.8	65.3	8.8
21°	1855.3	1845.9	1812.9	1735.8	1622.8	1459.2	1251.4	1024.8	564.5	58.9	7.1
22°	1894.8	1885.3	1850.6	1782.3	1670.5	1499.8	1279.7	1043.6	563.3	53.6	5.3
23°	1927.7	1917.7	1883.6	1820.6	1708.2	1535.7	1300.8	1053.0	555.7	48.3	4.1
24°	1944.8	1938.9	1908.3	1848.8	1738.8	1561.0	1315.6	1056.6	546.2	43.0	2.9
25°	1954.8	1947.7	1917.7	1863.0	1758.8	1581.0	1325.0	1053.6	527.4	38.3	1.8
26°	1965.4	1954.8	1920.7	1867.7	1769.4	1590.4	1325.6	1046.0	507.4	34.1	0.6
27°	1974.8	1964.8	1929.5	1871.2	1771.2	1587.5	1320.9	1031.3	483.3	30.0	0.6
28°	1995.4	1984.2	1943.6	1878.9	1772.9	1579.8	1306.1	1011.2	451.5	26.5	0.0
29°	2022.5	2010.7	1964.2	1897.1	1777.0	1571.6	1286.1	984.8	423.8	23.5	0.0
30°	2044.9	2034.3	1991.3	1920.1	1787.6	1564.0	1262.6	948.9	386.1	20.0	0.0
31°	2061.3	2050.7	2011.3	1939.5	1797.0	1556.9	1233.2	911.8	352.0	17.7	0.0
32°	2065.5	2056.6	2019.5	1947.7	1797.0	1546.3	1206.1	870.0	318.4	14.7	0.0
33°	2063.7	2054.9	2017.2	1941.8	1781.2	1521.0	1173.1	819.9	280.2	12.9	0.0
34°	2057.2	2046.6	2006.6	1923.0	1750.0	1478.0	1125.4	769.9	240.2	10.6	0.0
35°	2041.3	2031.9	1988.4	1887.7	1701.7	1412.7	1061.9	712.2	199.0	8.8	0.0
36°	2026.0	2011.9	1958.3	1844.1	1638.1	1345.6	985.9	645.7	163.6	7.1	0.0
37°	1997.8	1977.8	1923.6	1781.2	1548.1	1250.8	899.4	572.7	137.1	5.3	0.0
38°	1960.1	1933.0	1864.2	1708.2	1457.4	1161.9	818.2	506.8	115.4	3.5	0.0
39°	1901.8	1870.0	1776.4	1608.1	1352.6	1058.9	725.2	436.8	98.3	2.4	0.0
40°	1814.7	1784.7	1681.1	1489.2	1248.5	945.3	629.8	357.9	83.6	1.2	0.0
42.5°	1511.0	1469.8	1349.7	1159.0	923.0	679.9	416.7	199.0	55.3	0.0	0.0
45°	1124.3	1087.8	970.0	796.4	615.1	416.2	223.1	117.1	34.1	0.0	0.0
47.5°	635.1	631.0	554.5	457.4	343.2	221.3	113.0	70.6	14.7	0.0	0.0
50°	341.4	320.2	276.1	209.5	143.0	96.5	61.2	38.8	2.9	0.0	0.0
52.5°	124.8	120.7	101.2	84.2	64.7	44.1	31.2	17.1	0.0	0.0	0.0
55°	16.5	15.3	15.9	17.1	17.7	15.3	10.0	3.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.2	1.2	1.2	0.0	0.0	0.0	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	46.5	46.5	46.5	46.5
2.5°	35.9	27.7	23.5	23.0
5°	24.7	15.3	11.2	10.6
7.5°	17.1	7.7	5.3	4.7
10°	10.0	3.5	1.8	1.2
12.5°	5.9	0.6	0.0	0.0
15°	1.8	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)