

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: P1319978

Luminaire Tested: LDSQA3D09R359840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

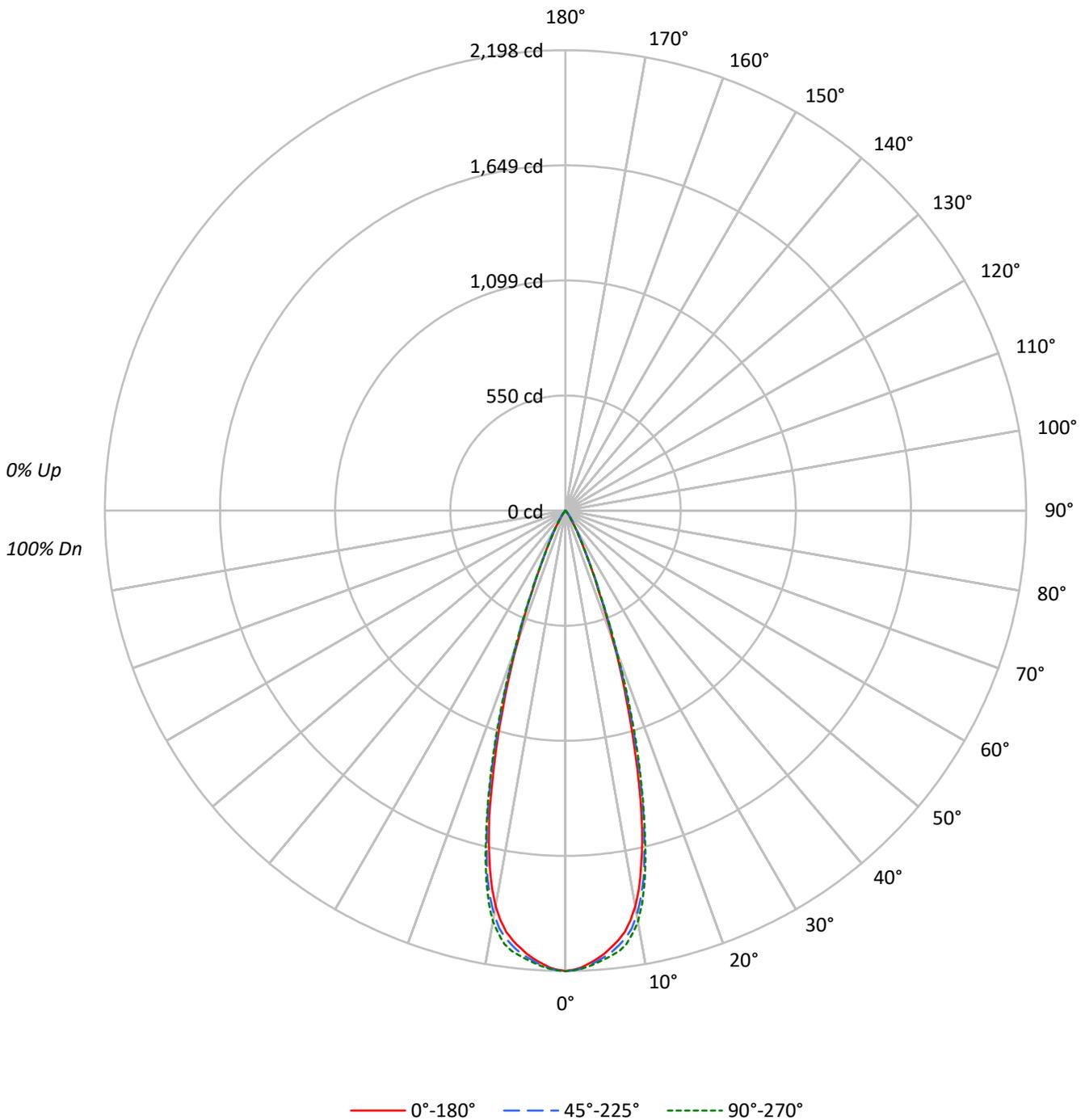
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1319978
CATALOG NUMBER: LDSQA3D09R359840DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	100	100	100	97	97	97	94	94	94	91	91	91	89																
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	93	93	93	90	90	90	87	87	87	86																
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	90	90	90	87	87	87	84	84	84	83																
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	86	86	86	83	83	83	80	80	80	78																
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	83	83	83	80	80	80	77	77	77	75																
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	80	80	80	77	77	77	74	74	74	73																
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	81	81	81	78	78	78	75	75	75	72	72	72	71																
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	75	75	75	72	72	72	69	69	69	68																
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	72	72	72	69	69	69	66	66	66	65																
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	70	70	70	67	67	67	64	64	64	63																
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	68	68	68	65	65	65	62	62	62	61																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	378631	378631	378631
5°	367146	369757	371762
10°	335506	342606	348482
15°	241273	251810	253879
20°	122831	128989	129319
25°	46595	47602	46271
30°	18097	20980	17639
35°	6223	9755	5845
40°	2091	3777	1956
45°	146	1267	146
50°	0	161	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: 1267 cd/sqm



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CATALOG NUMBER: LDSQA3D09R359840DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	27.2
10°-20°	370.8	50.7
20°-30°	133.3	18.2
30°-40°	26.0	3.6
40°-50°	2.9	0.4
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°	703.1	96.0
0°-40°	729.1	99.6
0°-60°	732.0	100.0
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2198	2198	2198	2198	2198	
5°	2124	2130	2139	2149	2150	197
15°	1353	1376	1412	1422	1424	360
25°	245	248	250	249	244	129
35°	30	34	46	34	28	22
45°	1	2	5	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	0



TEST NUMBER: P1319978
 CATALOG NUMBER: LDSQA3D09R359840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2198.5	2198.5	2198.5	2198.5	2198.5
1°	2192.1	2195.0	2195.6	2199.7	2195.0
2°	2182.9	2184.6	2186.9	2190.4	2188.1
3°	2164.9	2168.4	2173.6	2178.2	2178.2
4°	2145.8	2150.4	2156.8	2164.9	2164.3
5°	2123.7	2129.5	2138.8	2148.7	2150.4
6°	2095.9	2102.8	2117.9	2131.8	2134.2
7°	2066.3	2076.8	2091.3	2111.5	2116.8
8°	2031.5	2039.7	2060.5	2084.3	2090.1
9°	1980.5	1992.7	2019.4	2041.4	2044.9
10°	1918.5	1927.2	1959.1	1982.3	1992.7
11°	1838.5	1851.2	1882.5	1906.3	1913.3
12°	1736.4	1755.0	1791.5	1808.9	1814.7
13°	1626.3	1641.9	1670.3	1691.8	1696.4
14°	1502.2	1517.3	1546.8	1564.2	1560.2
15°	1353.2	1375.8	1412.3	1422.2	1423.9
17.5°	999.5	1014.0	1046.5	1062.1	1073.2
20°	670.2	684.1	703.8	714.3	705.6
22.5°	407.6	419.2	429.6	429.0	426.1
25°	245.2	247.6	250.5	248.7	243.5
27.5°	143.2	149.6	158.3	152.5	143.8
30°	91.0	96.2	105.5	95.7	88.7
32.5°	48.1	60.9	70.7	57.4	50.4
35°	29.6	33.6	46.4	34.2	27.8
37.5°	18.0	20.9	29.0	20.3	16.2
40°	9.3	13.3	16.8	12.2	8.7
42.5°	2.9	6.4	9.3	5.8	2.9
45°	0.6	1.7	5.2	1.7	0.6
47.5°	0.0	0.0	2.3	0.6	0.0
50°	0.0	0.0	0.6	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



TEST NUMBER: P1319978
CATALOG NUMBER: LDSQA3D09R359840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)