

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: P1319137

Luminaire Tested: LDSQA3D09R509835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

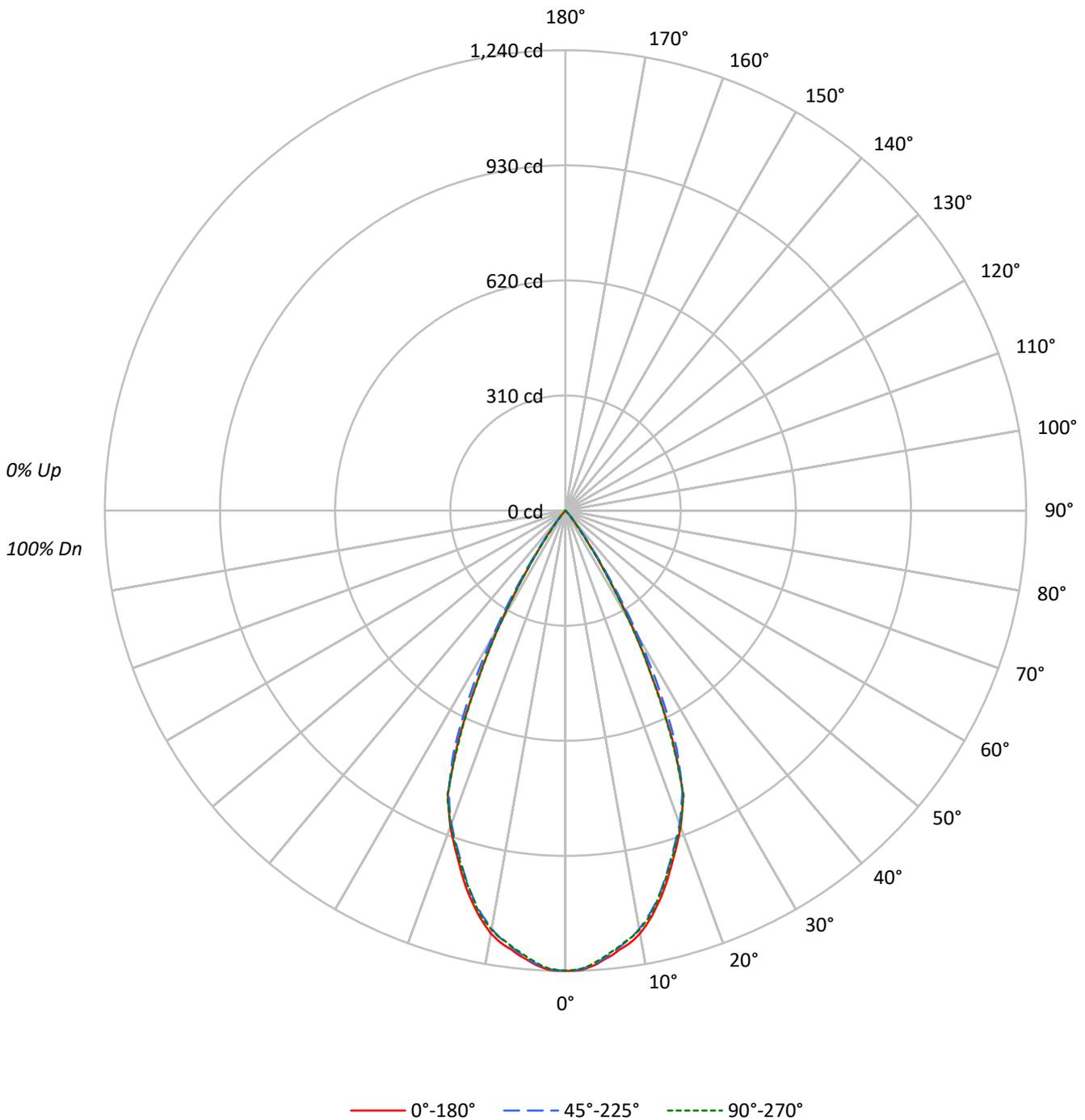
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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

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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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	213418	213418	213418
5°	209704	209099	208511
10°	202248	200045	200447
15°	186036	183700	184217
20°	166121	164563	165498
25°	129294	134710	127888
30°	70040	78214	68788
35°	22076	26281	21592
40°	4879	6812	4609
45°	146	2095	146
50°	0	295	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: 2095 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	14.2
10°-20°	288.5	36.1
20°-30°	303.8	38.1
30°-40°	86.8	10.9
40°-50°	5.4	0.7
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°	705.8	88.4
0°-40°	792.6	99.3
0°-60°	798.0	100.0
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1213	1212	1210	1208	1206	114
15°	1043	1037	1030	1032	1033	291
25°	680	706	709	701	673	298
35°	105	112	125	106	103	82
45°	1	3	9	3	1	3
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.2	1239.2	1239.2	1239.2	1239.2
1°	1239.8	1240.4	1239.2	1240.4	1237.5
2°	1238.1	1236.9	1235.8	1236.4	1234.7
3°	1231.8	1231.2	1228.9	1229.5	1227.2
4°	1223.8	1222.1	1220.4	1219.2	1217.0
5°	1213.0	1211.8	1209.5	1208.4	1206.1
6°	1203.8	1201.6	1197.6	1196.4	1194.1
7°	1191.8	1190.7	1185.6	1184.4	1183.3
8°	1182.7	1179.3	1173.0	1173.6	1170.7
9°	1170.7	1166.2	1159.9	1159.9	1160.5
10°	1156.5	1149.6	1143.9	1145.6	1146.2
11°	1137.6	1133.1	1124.5	1128.5	1128.5
12°	1117.1	1111.4	1105.1	1108.5	1110.8
13°	1093.1	1088.5	1082.8	1086.2	1085.1
14°	1069.7	1061.1	1057.1	1061.7	1060.0
15°	1043.4	1036.6	1030.3	1032.0	1033.2
17.5°	973.2	965.8	961.2	961.8	966.9
20°	906.4	903.6	897.9	900.2	903.0
22.5°	827.7	828.8	822.0	823.7	830.5
25°	680.4	705.5	708.9	701.0	673.0
27.5°	504.0	541.7	553.1	534.8	500.6
30°	352.2	362.5	393.3	358.5	345.9
32.5°	206.6	222.0	238.6	214.6	206.1
35°	105.0	112.4	125.0	106.2	102.7
37.5°	48.5	51.9	57.1	48.5	45.7
40°	21.7	25.7	30.3	24.5	20.5
42.5°	6.8	12.0	16.0	10.8	6.3
45°	0.6	2.9	8.6	2.9	0.6
47.5°	0.0	0.6	3.4	0.6	0.0
50°	0.0	0.0	1.1	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)