

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: P1308020

Luminaire Tested: LDSQA3D09R559027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

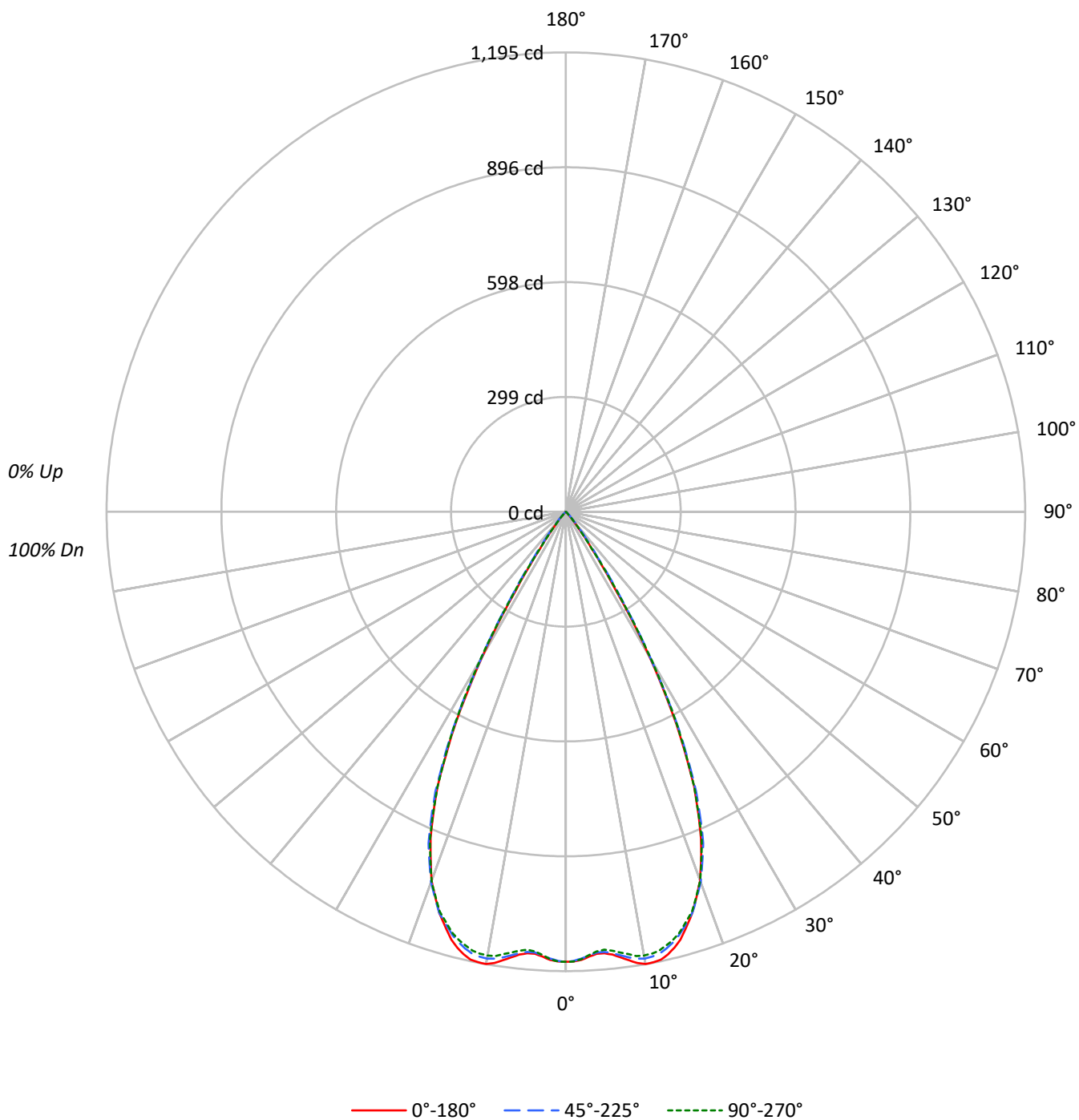
Lumens per Lamp: N/A
Luminaire Lumens: 890.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201621	201621	201621
5°	199314	198726	197654
10°	208911	206393	204959
15°	205435	203242	202511
20°	187124	187876	187253
25°	150121	152458	150121
30°	86168	88336	89012
35°	24578	29602	25292
40°	6295	9060	6452
45°	658	3166	511
50°	0	563	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: 3166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	12.5
10°-20°	317.2	35.6
20°-30°	349.3	39.3
30°-40°	104.3	11.7
40°-50°	8.0	0.9
50°-60°	0.1	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°	777.7	87.4
0°-40°	881.9	99.1
0°-60°	890.0	100.0
0°-90°	890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1153	1151	1150	1145	1143	112
15°	1152	1144	1140	1135	1136	319
25°	790	790	802	801	790	346
35°	117	124	141	128	120	97
45°	3	7	13	7	2	5
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°	1170.7	1170.7	1170.7	1170.7	1170.7
1°	1170.0	1170.0	1168.6	1167.9	1170.0
2°	1166.6	1166.6	1163.1	1162.5	1164.5
3°	1159.0	1158.4	1155.6	1153.6	1154.9
4°	1152.9	1151.5	1149.5	1146.1	1146.7
5°	1152.9	1150.8	1149.5	1144.7	1143.3
6°	1158.4	1157.0	1154.3	1149.5	1148.1
7°	1167.9	1165.2	1162.5	1156.3	1154.9
8°	1178.2	1176.1	1170.7	1164.5	1161.8
9°	1188.4	1183.6	1176.8	1170.7	1170.0
10°	1194.6	1187.7	1180.2	1172.7	1172.0
11°	1193.9	1187.7	1178.9	1172.0	1171.3
12°	1191.2	1182.3	1174.8	1166.6	1167.2
13°	1181.6	1173.4	1165.9	1159.7	1158.4
14°	1168.6	1161.1	1154.3	1148.1	1148.8
15°	1152.2	1144.0	1139.9	1135.1	1135.8
17.5°	1094.1	1092.1	1094.1	1088.6	1090.7
20°	1021.0	1018.9	1025.1	1022.4	1021.7
22.5°	919.2	921.9	933.5	930.1	924.0
25°	790.0	790.0	802.3	800.9	790.0
27.5°	621.9	626.7	634.2	637.6	629.4
30°	433.3	444.2	444.2	451.0	447.6
32.5°	241.9	265.2	270.6	274.0	260.4
35°	116.9	124.4	140.8	128.5	120.3
37.5°	56.0	59.5	75.9	61.5	57.4
40°	28.0	32.1	40.3	33.5	28.7
42.5°	11.6	17.1	21.2	17.1	11.6
45°	2.7	6.8	13.0	6.8	2.1
47.5°	0.0	0.7	6.2	1.4	0.0
50°	0.0	0.0	2.1	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)