

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: P1308021

Luminaire Tested: LDSQA3D09R559027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

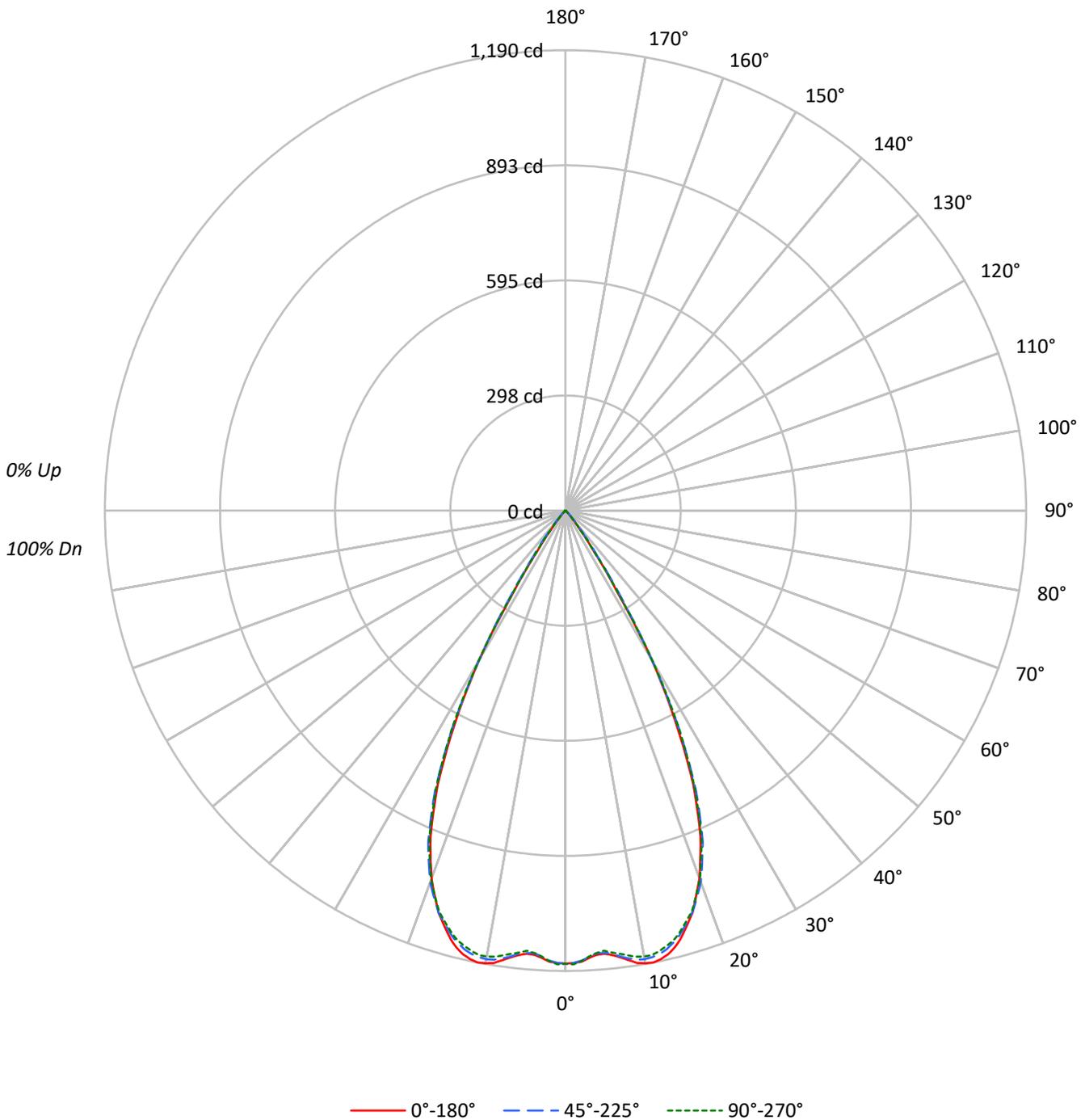
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (A_{in}): 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				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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201673	201673	201673
5°	198778	198432	197481
10°	207774	205973	204661
15°	204526	202707	201851
20°	185456	187344	185970
25°	148297	151413	149988
30°	88933	88933	90026
35°	25692	30443	26554
40°	7374	9982	7374
45°	1656	3824	1656
50°	723	1286	536
55°	601	601	601
60°	689	689	689
65°	571	571	571
70°	705	705	705
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3824 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	12.4
10°-20°	316.5	35.2
20°-30°	348.7	38.8
30°-40°	106.6	11.9
40°-50°	10.5	1.2
50°-60°	1.9	0.2
60°-70°	1.6	0.2
70°-80°	0.9	0.1
80°-90°	0.3	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
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0°-30°	776.2	86.4
0°-40°	882.8	98.3
0°-60°	895.3	99.7
0°-90°	898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1150	1150	1148	1144	1142	111
15°	1147	1145	1137	1132	1132	318
25°	780	788	797	804	789	344
35°	122	128	145	133	126	100
45°	7	10	16	10	7	8
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	1171.0	1171.0	1171.0	1171.0	1171.0
1°	1169.6	1170.3	1169.6	1168.3	1173.1
2°	1166.9	1166.2	1164.2	1163.5	1165.6
3°	1158.0	1158.0	1155.3	1153.9	1154.6
4°	1151.2	1151.2	1147.1	1145.8	1146.4
5°	1149.8	1149.8	1147.8	1144.4	1142.3
6°	1155.3	1156.7	1151.9	1148.5	1148.5
7°	1163.5	1164.2	1160.8	1156.0	1154.6
8°	1173.7	1174.4	1169.0	1163.5	1160.8
9°	1184.0	1182.6	1175.1	1169.6	1167.6
10°	1188.1	1187.4	1177.8	1172.4	1170.3
11°	1190.1	1186.7	1175.8	1171.0	1170.3
12°	1185.4	1182.6	1171.0	1166.2	1164.2
13°	1177.2	1173.1	1163.5	1158.7	1156.0
14°	1164.2	1160.1	1151.2	1145.8	1146.4
15°	1147.1	1145.1	1136.9	1132.1	1132.1
17.5°	1090.4	1091.8	1089.8	1087.7	1086.3
20°	1011.9	1017.4	1022.2	1019.4	1014.7
22.5°	911.5	921.1	926.6	927.9	919.1
25°	780.4	788.0	796.8	804.3	789.3
27.5°	617.3	624.1	632.3	637.1	635.0
30°	447.2	447.9	447.2	456.1	452.7
32.5°	248.5	269.0	272.4	278.6	256.7
35°	122.2	128.4	144.8	133.1	126.3
37.5°	58.7	62.8	78.5	64.2	61.5
40°	32.8	35.5	44.4	36.9	32.8
42.5°	15.7	20.5	23.9	21.2	15.7
45°	6.8	10.2	15.7	10.2	6.8
47.5°	2.7	4.1	9.6	4.1	2.7
50°	2.7	2.0	4.8	2.0	2.0
52.5°	2.0	2.0	2.7	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.4	2.0	2.0	2.0	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	0.7	1.4	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
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)