

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: P1323819

Luminaire Tested: LDSQA3D09R559030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323819
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: LDSQA3D09R559030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

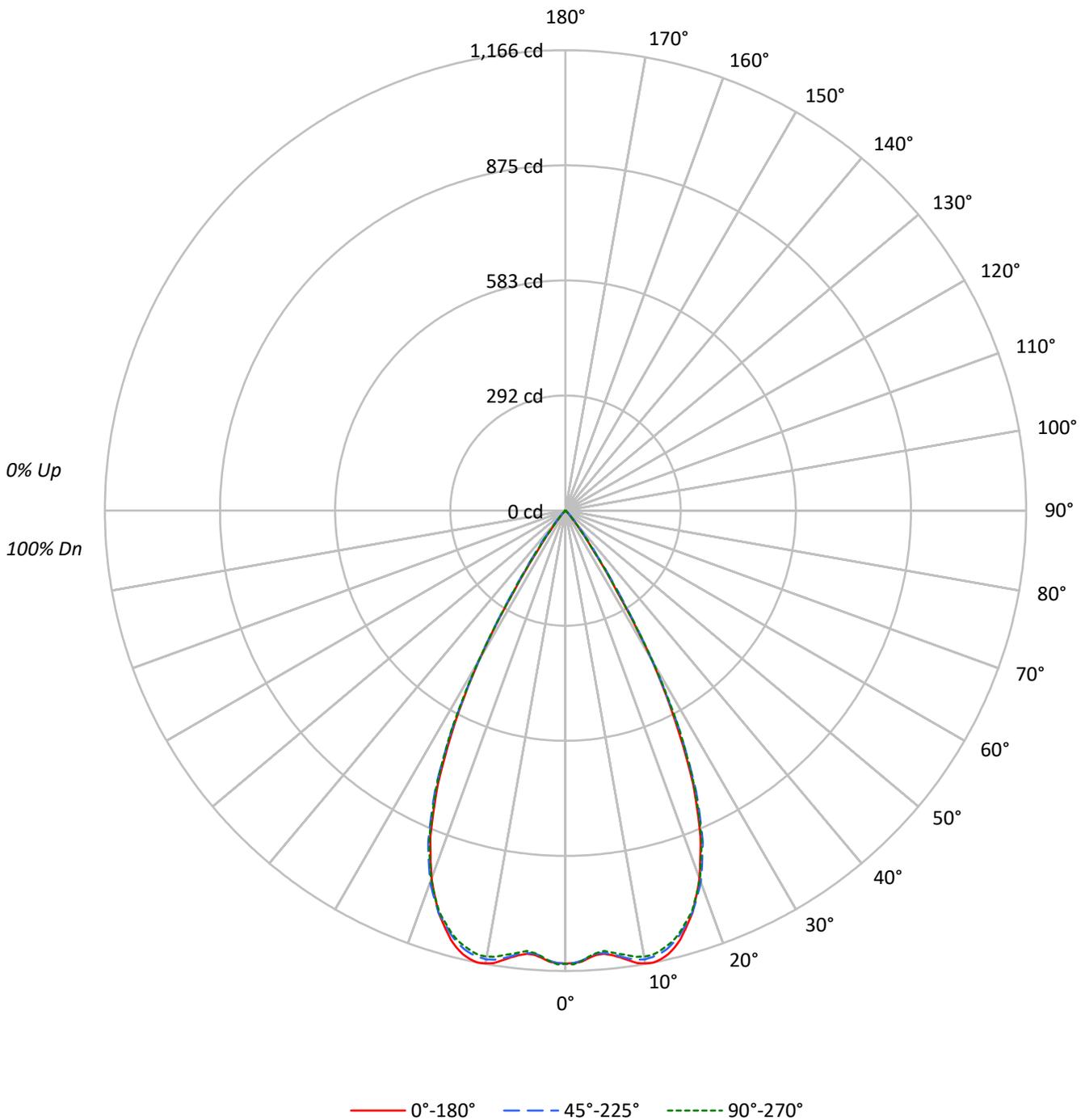
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 880.0 lumens
Efficiency: N/A
Efficacy: 59.9 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): 14.7
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	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°	197625	197625	197625
5°	194802	194456	193522
10°	203612	201846	200569
15°	200425	198642	197804
20°	181736	183587	182231
25°	145332	148392	146986
30°	87163	87163	88217
35°	25187	29834	26028
40°	7217	9780	7217
45°	1632	3751	1632
50°	723	1259	536
55°	601	601	601
60°	689	689	689
65°	530	530	530
70°	655	655	655
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	12.4
10°-20°	310.1	35.2
20°-30°	341.7	38.8
30°-40°	104.5	11.9
40°-50°	10.3	1.2
50°-60°	1.9	0.2
60°-70°	1.5	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
0°-30°	760.6	86.4
0°-40°	865.1	98.3
0°-60°	877.4	99.7
0°-90°	880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1127	1127	1125	1121	1119	109
15°	1124	1122	1114	1109	1109	312
25°	765	772	781	788	774	337
35°	120	126	142	130	124	98
45°	7	10	15	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°	1147.5	1147.5	1147.5	1147.5	1147.5
1°	1146.2	1146.9	1146.2	1144.9	1149.5
2°	1143.5	1142.9	1140.9	1140.2	1142.2
3°	1134.8	1134.8	1132.2	1130.8	1131.5
4°	1128.1	1128.1	1124.1	1122.8	1123.5
5°	1126.8	1126.8	1124.8	1121.4	1119.4
6°	1132.2	1133.5	1128.8	1125.5	1125.5
7°	1140.2	1140.9	1137.5	1132.8	1131.5
8°	1150.2	1150.9	1145.5	1140.2	1137.5
9°	1160.3	1158.9	1151.6	1146.2	1144.2
10°	1164.3	1163.6	1154.2	1148.9	1146.9
11°	1166.3	1162.9	1152.2	1147.5	1146.9
12°	1161.6	1158.9	1147.5	1142.9	1140.9
13°	1153.6	1149.5	1140.2	1135.5	1132.8
14°	1140.9	1136.8	1128.1	1122.8	1123.5
15°	1124.1	1122.1	1114.1	1109.4	1109.4
17.5°	1068.6	1069.9	1067.9	1065.9	1064.6
20°	991.6	997.0	1001.7	999.0	994.3
22.5°	893.3	902.6	908.0	909.3	900.6
25°	764.8	772.2	780.9	788.2	773.5
27.5°	604.9	611.6	619.6	624.3	622.3
30°	438.3	438.9	438.3	447.0	443.6
32.5°	243.6	263.6	267.0	273.0	251.6
35°	119.8	125.8	141.9	130.5	123.8
37.5°	57.5	61.6	76.9	62.9	60.2
40°	32.1	34.8	43.5	36.1	32.1
42.5°	15.4	20.1	23.4	20.7	15.4
45°	6.7	10.0	15.4	10.0	6.7
47.5°	2.7	4.0	9.4	4.0	2.7
50°	2.7	2.0	4.7	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°	1.3	2.0	2.0	2.0	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	0.7	1.3	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)