

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: P1323987

Luminaire Tested: LDSQA3D13R709030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

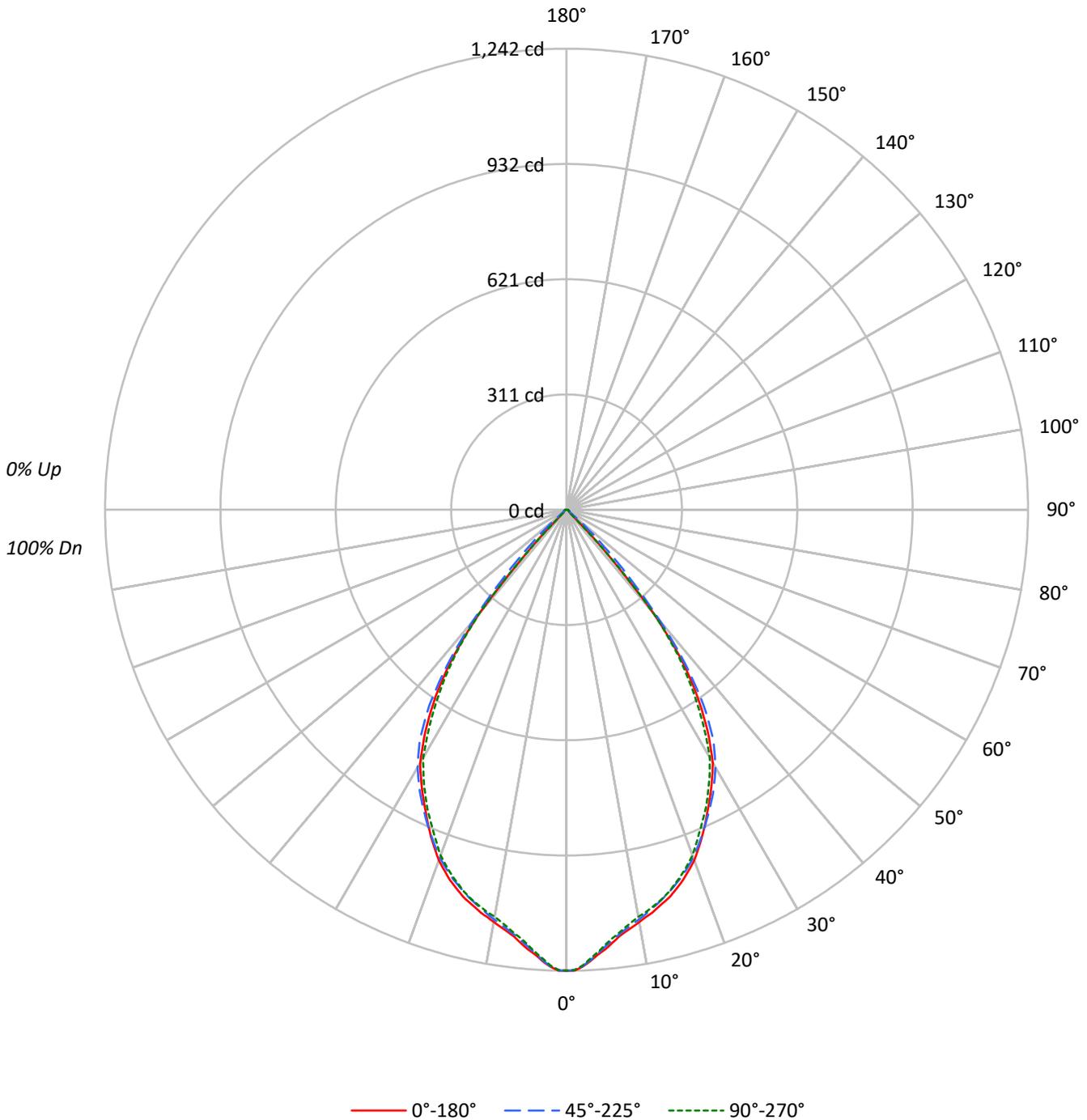
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1324.1 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	213849	213849	213849
5°	205555	204431	203688
10°	197212	196075	194763
15°	192241	190119	189941
20°	184192	182817	181626
25°	170530	171765	168478
30°	156627	159411	153425
35°	129175	135293	124192
40°	82239	88534	82239
45°	5772	38263	6284
50°	2599	7797	2599
55°	2913	2913	2913
60°	2962	2962	2962
65°	2649	3056	2649
70°	2719	3273	2719
75°	2861	2861	2861
80°	3174	3174	3174
85°	2174	4347	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 38263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	8.4
10°-20°	300.0	22.7
20°-30°	412.3	31.1
30°-40°	377.7	28.5
40°-50°	100.2	7.6
50°-60°	9.0	0.7
60°-70°	7.3	0.6
70°-80°	4.9	0.4
80°-90°	1.9	0.1
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°	823.1	62.2
0°-40°	1200.8	90.7
0°-60°	1310.0	98.9
0°-90°	1324.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1324.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1189	1184	1182	1180	1178	111
15°	1078	1068	1066	1066	1065	302
25°	897	901	904	893	887	413
35°	614	624	644	614	591	373
45°	24	81	157	82	26	71
55°	10	10	10	10	10	8
65°	6	8	8	8	6	7
75°	4	4	4	4	4	5
85°	1	2	2	2	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1241.7	1241.7	1241.7	1241.7	1241.7
1°	1241.7	1239.6	1241.7	1241.7	1239.6
2°	1232.0	1229.9	1231.0	1229.9	1228.8
3°	1218.1	1214.8	1215.9	1213.7	1211.6
4°	1201.9	1198.7	1198.7	1197.6	1195.5
5°	1189.0	1183.6	1182.5	1180.4	1178.2
6°	1173.9	1168.6	1167.5	1164.3	1162.1
7°	1158.9	1154.6	1153.5	1149.2	1149.2
8°	1147.0	1141.7	1141.7	1136.3	1136.3
9°	1137.4	1130.9	1130.9	1126.6	1124.4
10°	1127.7	1121.2	1121.2	1115.8	1113.7
11°	1118.0	1112.6	1110.5	1107.2	1106.1
12°	1109.4	1101.8	1099.7	1098.6	1096.5
13°	1098.6	1091.1	1088.9	1087.9	1086.8
14°	1088.9	1079.2	1078.2	1076.0	1077.1
15°	1078.2	1068.5	1066.3	1066.3	1065.3
17.5°	1044.8	1038.4	1035.1	1033.0	1030.8
20°	1005.0	999.6	997.5	993.2	991.0
22.5°	953.4	952.3	951.2	945.8	937.2
25°	897.4	900.6	903.9	893.1	886.6
27.5°	843.6	852.2	855.4	844.7	830.7
30°	787.6	795.2	801.6	786.6	771.5
32.5°	706.9	725.2	734.9	717.7	683.3
35°	614.4	624.1	643.5	614.4	590.7
37.5°	506.8	512.2	527.2	507.9	491.7
40°	365.8	382.0	393.8	382.0	365.8
42.5°	164.6	230.3	260.4	243.2	172.2
45°	23.7	80.7	157.1	81.8	25.8
47.5°	9.7	12.9	81.8	11.8	9.7
50°	9.7	9.7	29.1	9.7	9.7
52.5°	9.7	9.7	10.8	9.7	9.7
55°	9.7	9.7	9.7	9.7	9.7
57.5°	8.6	8.6	9.7	8.6	8.6
60°	8.6	8.6	8.6	8.6	8.6
62.5°	7.5	8.6	8.6	8.6	7.5
65°	6.5	7.5	7.5	7.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5
70°	5.4	6.5	6.5	6.5	5.4
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.3	4.3	4.3	4.3	4.3
77.5°	3.2	4.3	4.3	4.3	3.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	2.2	2.2	2.2	1.1
87.5°	1.1	1.1	1.1	1.1	1.1



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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)