

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: P1323817

Luminaire Tested: LDSQA3D09R559030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323817
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: LDSQA3D09R559030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

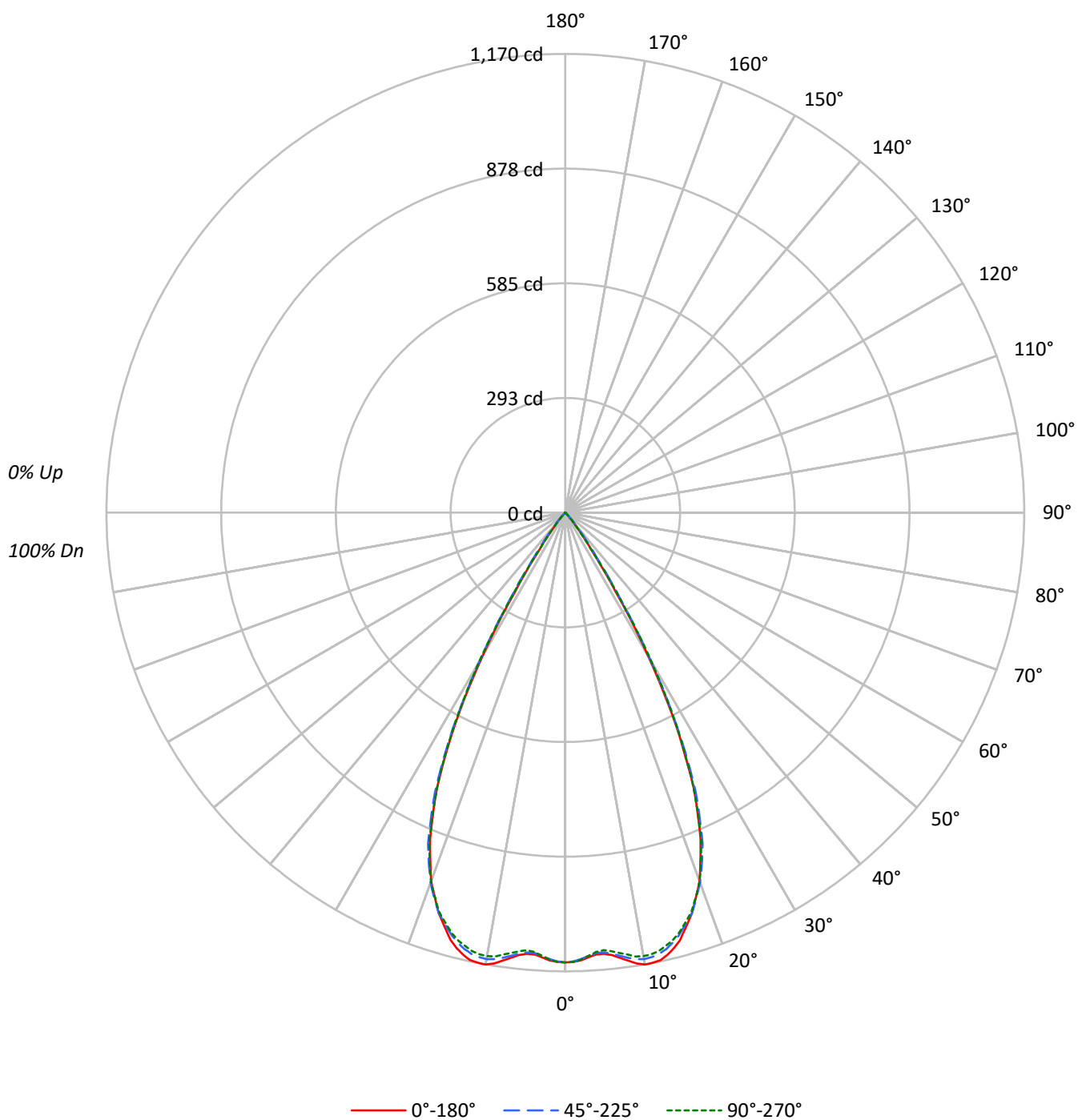
Lumens per Lamp: N/A
Luminaire Lumens: 872.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	197539	197539	197539
5°	195286	194698	193661
10°	204679	202231	200814
15°	201281	199141	198410
20°	183330	184082	183459
25°	147081	149380	147081
30°	84418	86546	87222
35°	24073	28993	24767
40°	6183	8880	6317
45°	658	3093	487
50°	0	536	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: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	12.5
10°-20°	310.8	35.6
20°-30°	342.3	39.3
30°-40°	102.2	11.7
40°-50°	7.8	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°	761.9	87.4
0°-40°	864.1	99.1
0°-60°	872.0	100.0
0°-90°	872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1147	1147	1147	1147	1147	
5°	1130	1128	1126	1122	1120	110
15°	1129	1121	1117	1112	1113	313
25°	774	774	786	785	774	339
35°	114	122	138	126	118	95
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°	1147.0	1147.0	1147.0	1147.0	1147.0
1°	1146.3	1146.3	1145.0	1144.3	1146.3
2°	1143.0	1143.0	1139.6	1138.9	1141.0
3°	1135.6	1134.9	1132.3	1130.2	1131.6
4°	1129.6	1128.2	1126.2	1122.9	1123.5
5°	1129.6	1127.6	1126.2	1121.5	1120.2
6°	1134.9	1133.6	1130.9	1126.2	1124.9
7°	1144.3	1141.6	1138.9	1132.9	1131.6
8°	1154.3	1152.3	1147.0	1141.0	1138.3
9°	1164.4	1159.7	1153.0	1147.0	1146.3
10°	1170.4	1163.7	1156.4	1149.0	1148.3
11°	1169.7	1163.7	1155.0	1148.3	1147.7
12°	1167.1	1158.4	1151.0	1143.0	1143.6
13°	1157.7	1149.7	1142.3	1136.3	1134.9
14°	1145.0	1137.6	1130.9	1124.9	1125.6
15°	1128.9	1120.9	1116.9	1112.2	1112.8
17.5°	1072.0	1070.0	1072.0	1066.6	1068.6
20°	1000.3	998.3	1004.4	1001.7	1001.0
22.5°	900.6	903.3	914.6	911.3	905.3
25°	774.0	774.0	786.1	784.7	774.0
27.5°	609.3	614.0	621.4	624.7	616.7
30°	424.5	435.2	435.2	441.9	438.6
32.5°	237.0	259.8	265.2	268.5	255.1
35°	114.5	121.9	137.9	125.9	117.8
37.5°	54.9	58.3	74.3	60.3	56.2
40°	27.5	31.5	39.5	32.8	28.1
42.5°	11.4	16.7	20.8	16.7	11.4
45°	2.7	6.7	12.7	6.7	2.0
47.5°	0.0	0.7	6.0	1.3	0.0
50°	0.0	0.0	2.0	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)