

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: P1307049

Luminaire Tested: LDSQA3D09R559024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307049
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: LDSQA3D09R559024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

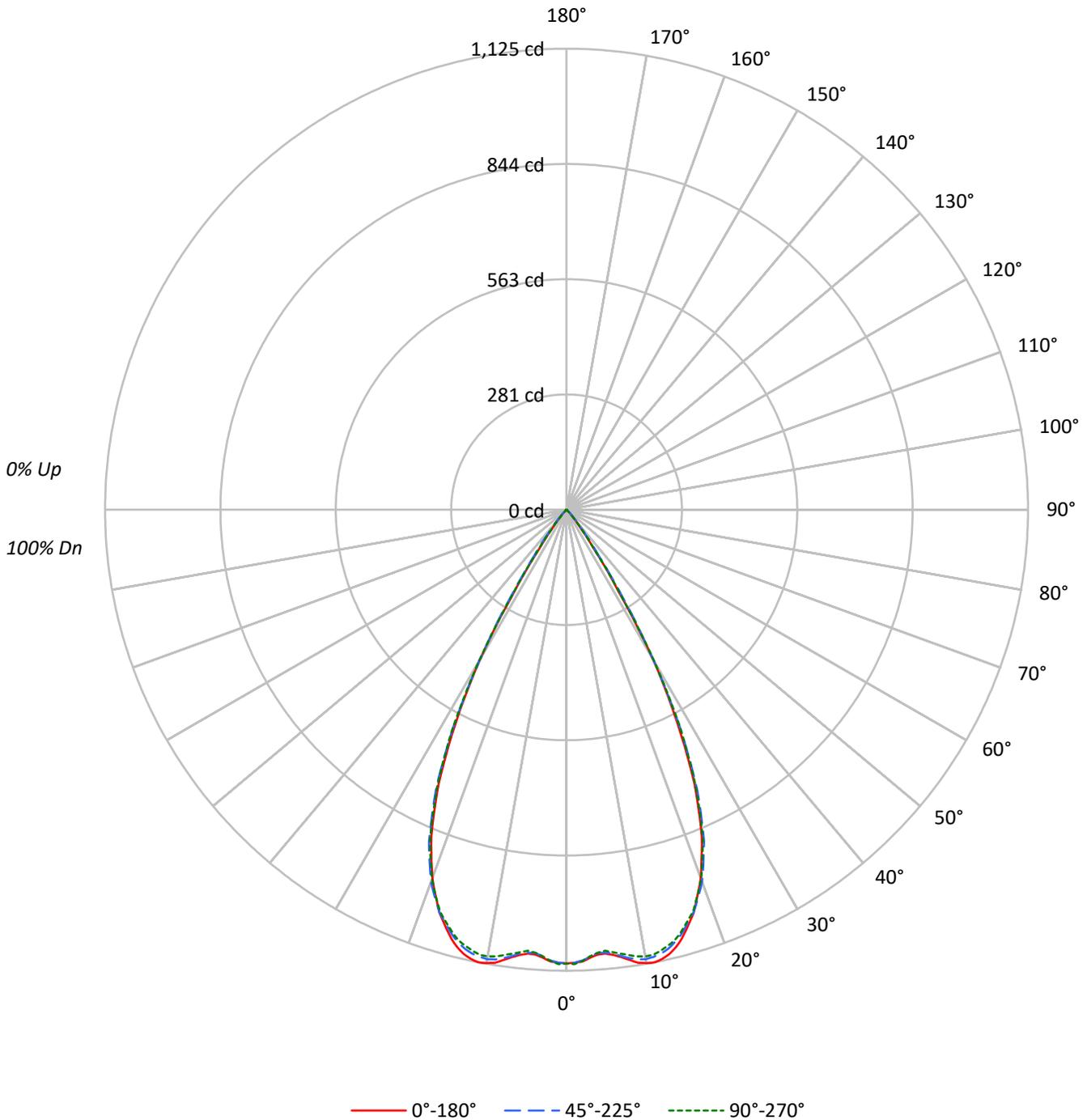
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 848.9 lumens
Efficiency: N/A
Efficacy: 76.5 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				
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	80	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°	190668	190668	190668
5°	187938	187610	186711
10°	196442	194746	193504
15°	193364	191635	190832
20°	175340	177117	175816
25°	140221	143166	141817
30°	84080	84080	85114
35°	24304	28783	25103
40°	6969	9442	6969
45°	1583	3605	1583
50°	697	1206	509
55°	570	570	570
60°	654	654	654
65°	530	530	530
70°	655	655	655
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3605 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	12.4
10°-20°	299.2	35.2
20°-30°	329.6	38.8
30°-40°	100.8	11.9
40°-50°	10.0	1.2
50°-60°	1.8	0.2
60°-70°	1.5	0.2
70°-80°	0.8	0.1
80°-90°	0.2	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°	733.8	86.4
0°-40°	834.6	98.3
0°-60°	846.4	99.7
0°-90°	848.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	848.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1107	1107	1107	1107	1107	
5°	1087	1087	1085	1082	1080	105
15°	1084	1083	1075	1070	1070	301
25°	738	745	753	760	746	325
35°	116	121	137	126	119	95
45°	6	10	15	10	6	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°	1107.1	1107.1	1107.1	1107.1	1107.1
1°	1105.8	1106.5	1105.8	1104.5	1109.1
2°	1103.2	1102.6	1100.7	1100.0	1102.0
3°	1094.9	1094.9	1092.3	1091.0	1091.6
4°	1088.4	1088.4	1084.5	1083.2	1083.9
5°	1087.1	1087.1	1085.2	1081.9	1080.0
6°	1092.3	1093.6	1089.0	1085.8	1085.8
7°	1100.0	1100.7	1097.4	1092.9	1091.6
8°	1109.7	1110.3	1105.2	1100.0	1097.4
9°	1119.4	1118.1	1111.0	1105.8	1103.9
10°	1123.3	1122.6	1113.6	1108.4	1106.5
11°	1125.2	1122.0	1111.6	1107.1	1106.5
12°	1120.7	1118.1	1107.1	1102.6	1100.7
13°	1112.9	1109.1	1100.0	1095.5	1092.9
14°	1100.7	1096.8	1088.4	1083.2	1083.9
15°	1084.5	1082.6	1074.8	1070.3	1070.3
17.5°	1030.9	1032.2	1030.3	1028.4	1027.1
20°	956.7	961.9	966.4	963.8	959.3
22.5°	861.8	870.8	876.0	877.3	868.9
25°	737.9	745.0	753.4	760.5	746.3
27.5°	583.6	590.0	597.8	602.3	600.4
30°	422.8	423.5	422.8	431.2	428.0
32.5°	235.0	254.3	257.6	263.4	242.7
35°	115.6	121.4	136.9	125.9	119.4
37.5°	55.5	59.4	74.2	60.7	58.1
40°	31.0	33.6	42.0	34.9	31.0
42.5°	14.8	19.4	22.6	20.0	14.8
45°	6.5	9.7	14.8	9.7	6.5
47.5°	2.6	3.9	9.0	3.9	2.6
50°	2.6	1.9	4.5	1.9	1.9
52.5°	1.9	1.9	2.6	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.3	1.9	1.9	1.9	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°	0.6	1.3	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
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)