

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: P1319968

Luminaire Tested: LDSQA3D09R309840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

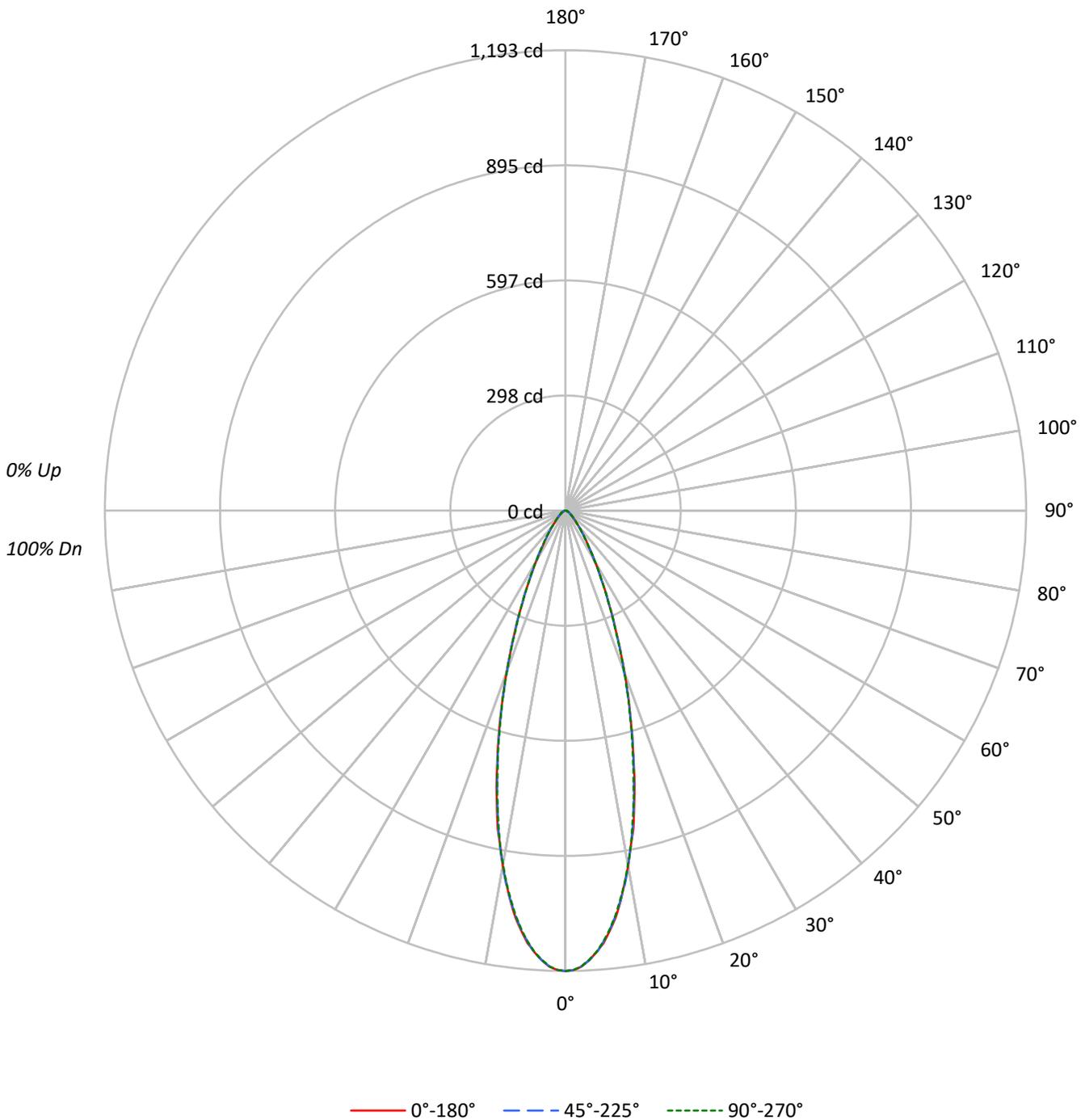
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 524.0 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	205479	205479	205479
5°	194542	194041	193937
10°	163442	163442	162830
15°	121778	121457	120743
20°	81503	81081	81173
25°	50243	50129	50357
30°	30208	30208	30327
35°	18523	18523	18649
40°	11736	11736	11983
45°	8037	8184	8184
50°	5894	5894	5894
55°	4534	4714	4714
60°	3789	3789	3996
65°	3301	3301	3301
70°	2921	3223	3223
75°	2728	2728	2728
80°	2281	2281	2281
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8184 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	19.3
10°-20°	186.8	35.6
20°-30°	124.2	23.7
30°-40°	57.4	11.0
40°-50°	26.6	5.1
50°-60°	14.2	2.7
60°-70°	8.3	1.6
70°-80°	4.4	0.8
80°-90°	0.9	0.2
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°	412.1	78.6
0°-40°	469.5	89.6
0°-60°	510.3	97.4
0°-90°	524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1125	1123	1122	1125	1122	101
15°	683	685	681	681	677	187
25°	264	264	264	264	265	124
35°	88	88	88	89	89	57
45°	33	33	34	34	34	26
55°	15	16	16	16	16	14
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.1	1193.1	1193.1	1193.1	1193.1
1°	1190.8	1189.7	1190.8	1192.6	1190.3
2°	1182.7	1181.6	1181.6	1183.9	1181.6
3°	1167.1	1168.2	1167.6	1170.0	1165.9
4°	1147.3	1146.8	1149.1	1150.2	1146.8
5°	1125.3	1123.0	1122.4	1125.3	1121.8
6°	1095.2	1093.4	1092.3	1095.7	1091.1
7°	1062.7	1061.5	1059.8	1061.0	1057.5
8°	1022.7	1022.1	1021.0	1022.1	1018.1
9°	978.1	978.1	980.4	979.8	977.5
10°	934.6	935.7	934.6	935.7	931.1
11°	885.9	885.9	887.0	886.5	887.0
12°	843.6	838.9	837.8	836.6	833.1
13°	789.1	785.6	784.4	785.6	783.8
14°	739.2	736.9	731.1	732.2	729.9
15°	683.0	685.3	681.2	681.2	677.2
17.5°	558.3	556.0	557.2	557.7	556.0
20°	444.7	443.5	442.4	441.2	442.9
22.5°	345.5	346.1	345.0	343.8	342.6
25°	264.4	263.8	263.8	263.8	265.0
27.5°	200.6	200.6	200.6	201.2	201.2
30°	151.9	150.7	151.9	152.5	152.5
32.5°	113.6	114.8	115.4	115.4	115.4
35°	88.1	87.5	88.1	88.7	88.7
37.5°	67.3	67.3	67.8	67.8	68.4
40°	52.2	52.2	52.2	52.8	53.3
42.5°	41.2	41.2	41.7	41.7	42.3
45°	33.0	33.0	33.6	33.6	33.6
47.5°	26.7	26.7	27.2	27.2	27.2
50°	22.0	22.0	22.0	22.0	22.0
52.5°	18.6	18.0	18.6	18.6	18.6
55°	15.1	15.7	15.7	15.7	15.7
57.5°	12.8	13.3	13.3	13.3	13.3
60°	11.0	11.0	11.0	11.6	11.6
62.5°	9.3	9.9	9.9	9.9	9.9
65°	8.1	8.1	8.1	8.1	8.1
67.5°	7.0	7.0	7.0	7.0	7.5
70°	5.8	5.8	6.4	6.4	6.4
72.5°	5.2	5.2	5.2	5.2	5.2
75°	4.1	4.1	4.1	4.1	4.1
77.5°	2.9	2.9	3.5	3.5	2.9
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6
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)