

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: P1315506

Luminaire Tested: LDSQA3D09R559735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

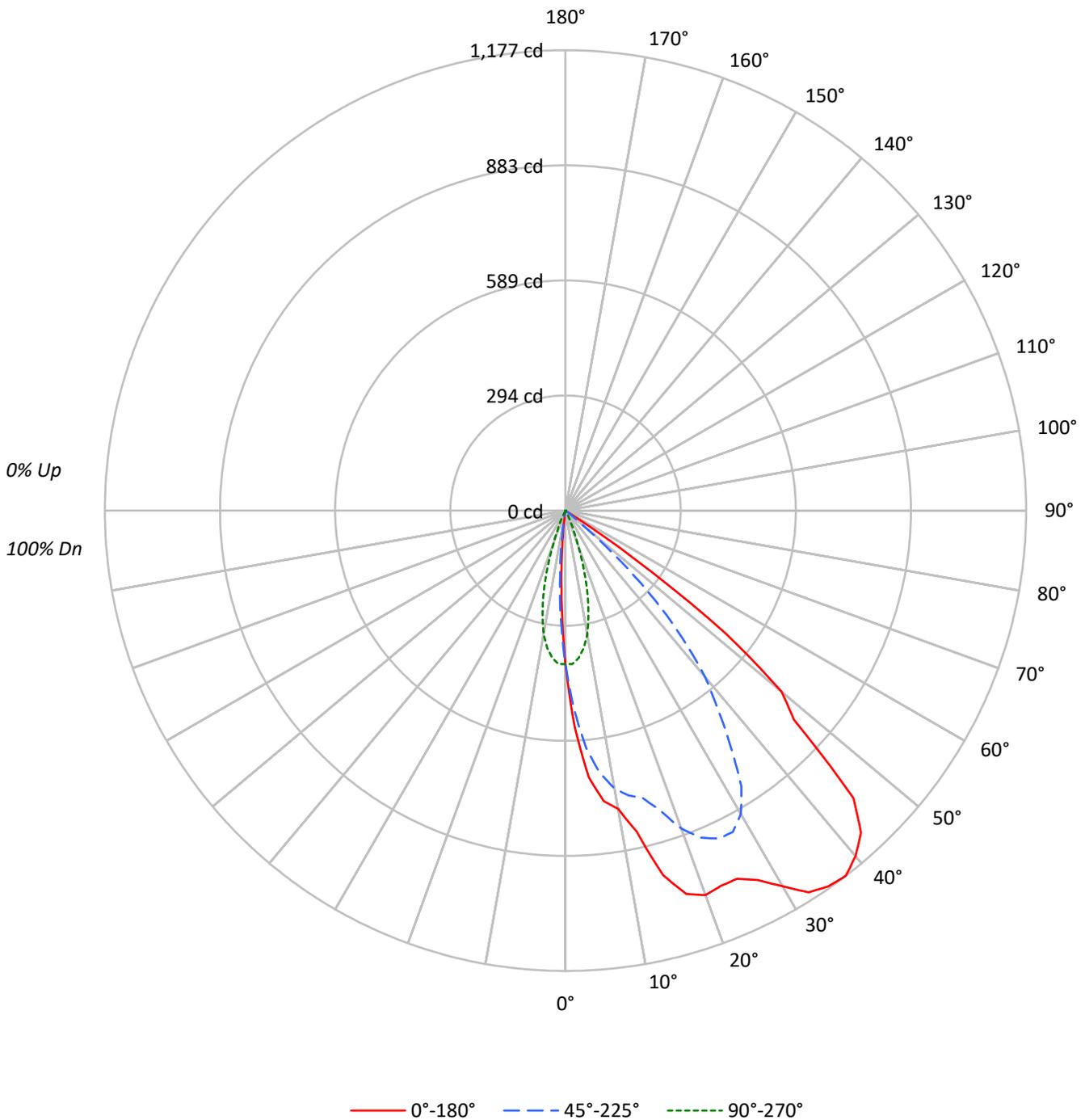
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82	82	82	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73	73	73	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66	66	66	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	67477	67477	67477	67477	67477
5°	118250	105423	65487	27211	15663
10°	135357	126176	55996	2973	1067
15°	172004	135453	38388	606	357
20°	191670	158460	16861	0	0
25°	197305	175813	4789	0	0
30°	220442	178164	676	0	0
35°	246386	154698	0	0	0
40°	259173	124528	0	0	0
45°	253399	78645	0	0	0
50°	192964	16076	0	0	0
55°	63205	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	1389	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 253399 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	4.9
10°-20°	104.9	14.5
20°-30°	170.6	23.5
30°-40°	202.7	28.0
40°-50°	165.8	22.9
50°-60°	43.9	6.1
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	311.3	42.9
0°-40°	514.0	70.9
0°-60°	723.8	99.8
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	392	392	392	392	392	
5°	684	610	379	157	91	67
15°	965	760	215	3	2	270
25°	1038	925	25	0	0	489
35°	1172	736	0	0	0	729
45°	1040	323	0	0	0	747
55°	210	0	0	0	0	237
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8
2.5°	556.0	551.9	552.5	550.5	552.5	543.7	534.2	525.3	518.5	508.9	451.0
5°	684.0	677.2	675.2	672.5	669.7	658.8	650.0	639.1	626.1	609.8	503.5
7.5°	748.8	743.3	740.6	742.0	735.8	731.7	720.2	707.9	694.3	676.5	543.0
10°	774.0	768.5	767.8	767.2	766.5	763.8	758.3	747.4	735.1	721.5	565.5
12.5°	840.1	827.8	819.6	810.1	798.5	783.5	771.3	761.7	756.9	746.0	575.7
15°	964.7	953.2	944.3	932.0	910.2	878.2	848.9	811.5	778.7	759.7	571.6
17.5°	1027.4	1022.0	1014.5	1006.3	991.3	968.2	938.2	898.7	857.1	803.3	551.9
20°	1045.8	1043.1	1037.6	1034.2	1024.0	1007.7	987.2	956.6	917.7	864.6	521.2
22.5°	1038.3	1040.4	1043.1	1052.0	1053.3	1041.7	1022.7	993.4	953.8	904.8	474.2
25°	1038.3	1037.0	1037.0	1055.4	1066.9	1061.5	1047.9	1021.3	981.1	925.2	416.3
27.5°	1064.9	1056.7	1039.7	1058.8	1077.8	1075.8	1063.5	1032.2	987.2	925.9	345.4
30°	1108.5	1090.8	1062.9	1080.6	1098.3	1090.8	1071.0	1030.8	973.6	895.9	258.9
32.5°	1156.9	1148.7	1134.4	1146.0	1143.3	1113.3	1077.8	1022.0	945.7	836.0	174.4
35°	1171.9	1173.2	1163.7	1161.6	1146.0	1115.3	1077.8	996.8	887.1	735.8	103.6
37.5°	1176.6	1177.3	1162.3	1143.3	1120.1	1084.0	1039.0	945.0	778.7	639.1	55.2
40°	1152.8	1152.1	1127.6	1104.4	1078.5	1043.1	977.7	836.0	675.9	553.9	19.8
42.5°	1117.4	1108.5	1085.3	1056.7	1025.4	981.1	878.9	705.8	587.3	443.5	1.4
45°	1040.4	1032.2	1013.8	983.1	948.4	885.7	724.2	606.4	477.6	322.9	0.0
47.5°	791.0	786.9	806.0	810.1	809.4	737.9	604.3	494.6	350.9	188.0	0.0
50°	720.2	714.7	695.6	671.1	627.5	567.5	484.4	366.5	205.8	60.0	0.0
52.5°	517.1	534.8	538.9	520.5	479.6	420.4	333.8	211.2	71.5	0.0	0.0
55°	210.5	199.6	207.8	218.0	226.2	207.8	154.0	74.9	0.7	0.0	0.0
57.5°	0.0	0.7	4.1	9.5	15.7	19.8	21.1	1.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	391.8	391.8	391.8	391.8	391.8
2.5°	393.1	332.5	273.9	241.9	226.2
5°	378.8	254.1	157.4	109.0	90.6
7.5°	355.0	174.4	62.7	25.9	18.4
10°	320.2	100.2	17.0	6.8	6.1
12.5°	270.5	45.6	6.1	4.8	4.8
15°	215.3	15.7	3.4	2.7	2.0
17.5°	151.3	4.1	1.4	0.0	0.0
20°	92.0	0.7	0.0	0.0	0.0
22.5°	51.1	0.0	0.0	0.0	0.0
25°	25.2	0.0	0.0	0.0	0.0
27.5°	10.9	0.0	0.0	0.0	0.0
30°	3.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.0	0.0	0.0
77.5°	1.4	0.7	0.7	0.0	0.0
80°	1.4	0.7	0.7	0.0	0.0
82.5°	1.4	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.4	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)