

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: P1308015

Luminaire Tested: LDSQA3D09R559027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

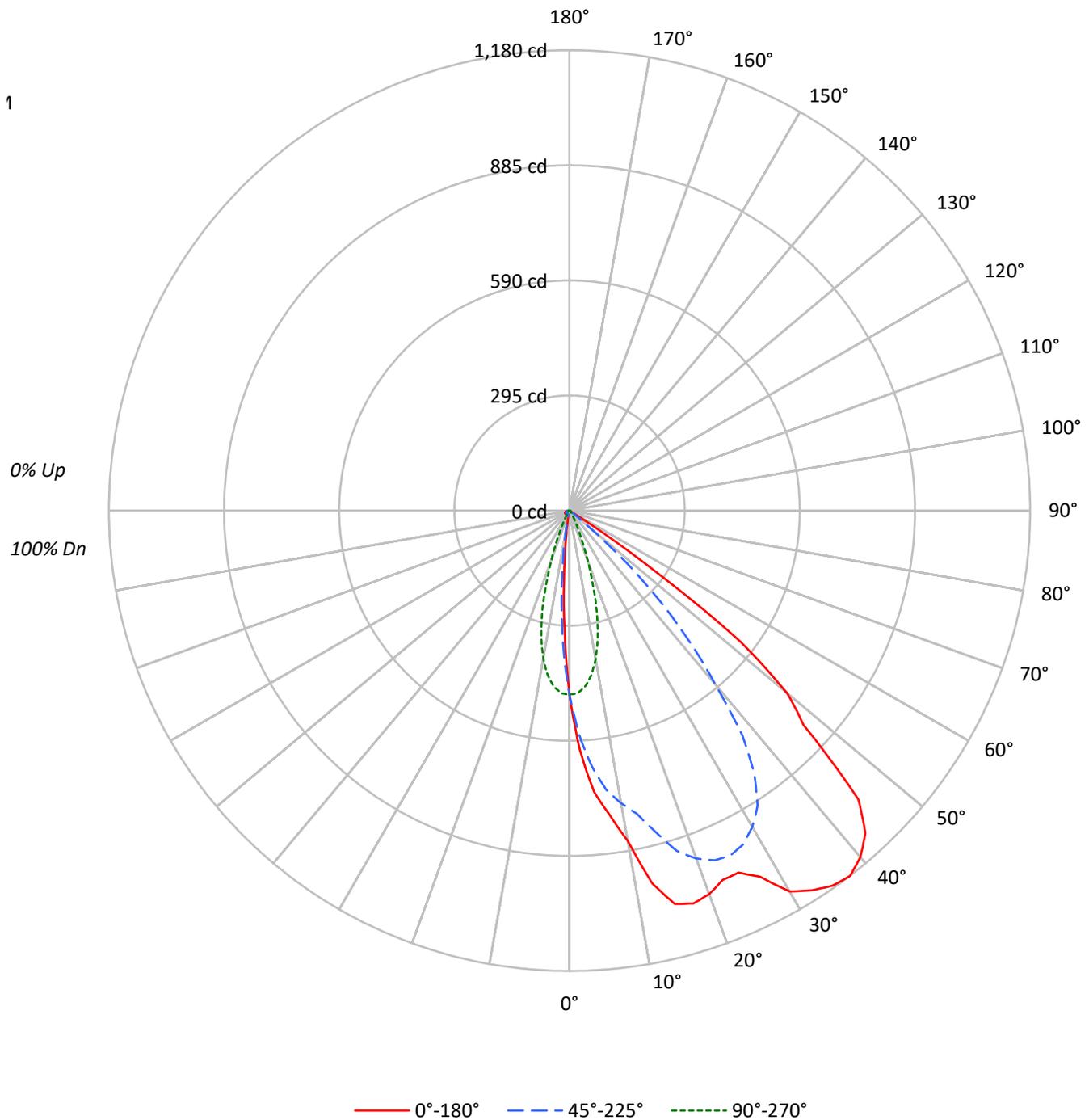
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 786.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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 (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	100	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	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	57	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	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	81134	81134	81134	81134	81134
5°	125114	113911	78367	40247	26433
10°	150326	133136	67468	10143	4057
15°	186125	152053	48212	2799	2193
20°	191706	173928	24907	1869	1869
25°	194492	185276	9995	1691	1938
30°	224161	186158	4335	1770	2028
35°	246765	173557	1871	1871	2292
40°	260635	130621	1079	2158	2451
45°	254934	79814	999	2338	2996
50°	195000	17014	1099	2733	3483
55°	71552	601	1231	3063	3903
60°	689	689	1412	3513	4478
65°	815	815	1671	3627	4727
70°	705	1007	1712	4129	5489
75°	466	932	1797	4525	6388
80°	694	1389	1984	4761	6744
85°	0	1383	2766	5335	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 254934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	5.3
10°-20°	118.8	15.1
20°-30°	182.2	23.2
30°-40°	212.3	27.0
40°-50°	169.6	21.6
50°-60°	50.2	6.4
60°-70°	5.4	0.7
70°-80°	4.2	0.5
80°-90°	1.8	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°	342.4	43.6
0°-40°	554.7	70.6
0°-60°	774.6	98.6
0°-90°	786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	471	471	471	471	471	
5°	724	659	453	233	153	72
15°	1044	853	270	16	12	288
25°	1024	975	53	9	10	486
35°	1174	826	9	9	11	731
45°	1047	328	4	10	12	755
55°	238	2	4	10	13	252
65°	2	2	4	9	12	2
75°	1	1	3	7	10	1
85°	0	1	1	3	3	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1
2.5°	614.5	614.5	612.4	613.1	611.7	604.2	602.9	593.3	585.1	576.2	568.7
5°	723.7	725.1	723.0	718.9	713.5	708.0	696.4	687.5	675.9	658.9	643.2
7.5°	785.9	784.5	781.1	779.7	776.3	770.1	762.0	752.4	738.7	721.7	703.2
10°	859.6	848.0	844.6	839.1	828.2	815.9	801.6	788.6	777.0	761.3	741.5
12.5°	978.4	976.3	962.7	952.4	937.4	910.1	885.5	856.9	822.7	795.4	769.5
15°	1043.9	1045.3	1039.2	1031.0	1021.4	998.9	974.3	940.8	900.6	852.8	810.4
17.5°	1055.5	1057.6	1054.2	1050.8	1048.0	1035.1	1020.0	996.1	959.3	914.9	852.1
20°	1046.0	1050.1	1050.8	1054.9	1060.3	1054.9	1042.6	1026.2	995.5	949.0	888.9
22.5°	1024.8	1032.3	1037.8	1052.1	1066.5	1066.5	1059.0	1046.0	1015.9	970.2	908.7
25°	1023.5	1024.8	1026.9	1050.1	1072.6	1077.4	1070.6	1056.9	1024.1	975.0	908.1
27.5°	1057.6	1048.7	1035.1	1058.3	1084.9	1089.0	1079.4	1061.0	1022.1	964.1	884.9
30°	1127.2	1107.4	1078.8	1095.8	1114.3	1109.5	1090.4	1061.0	1008.4	936.1	841.2
32.5°	1153.9	1142.9	1132.7	1151.1	1154.5	1134.7	1100.6	1056.9	986.6	896.5	769.5
35°	1173.7	1174.3	1170.2	1173.7	1157.3	1129.3	1091.7	1034.4	945.6	825.5	674.6
37.5°	1180.5	1181.8	1173.0	1160.7	1136.1	1104.0	1059.0	993.4	877.3	727.8	531.2
40°	1159.3	1155.2	1140.9	1123.8	1097.2	1064.4	1015.3	917.6	775.6	581.0	414.4
42.5°	1121.8	1114.9	1097.9	1077.4	1049.4	1007.7	929.2	811.1	630.2	453.3	290.2
45°	1046.7	1041.9	1020.7	1005.7	972.2	918.3	817.3	668.4	487.5	327.7	168.0
47.5°	813.2	813.8	830.2	837.7	826.1	783.1	664.3	508.0	355.7	195.3	56.7
50°	727.8	724.4	708.0	685.5	647.9	583.8	487.5	359.1	210.3	63.5	8.2
52.5°	552.3	552.3	544.2	532.5	492.9	430.8	329.8	198.7	73.7	10.9	2.0
55°	238.3	226.0	232.8	245.8	235.6	204.8	154.3	59.4	13.0	2.0	2.0
57.5°	3.4	8.2	12.3	19.8	26.6	32.1	17.1	6.1	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	1.4	1.4	1.4	2.0	1.4	2.0	2.0	2.0	2.0	2.0	2.0
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1
2.5°	557.8	546.2	527.1	469.1	409.0	353.7	314.1	299.0
5°	625.4	604.2	572.1	453.3	333.9	232.8	175.5	152.9
7.5°	678.7	651.3	604.9	426.0	245.1	124.3	74.4	58.7
10°	714.2	684.1	623.4	385.8	162.5	58.0	28.0	23.2
12.5°	740.1	702.6	630.2	333.9	95.6	26.6	15.0	13.7
15°	759.2	710.7	622.0	270.4	52.6	15.7	12.3	12.3
17.5°	785.9	714.8	602.2	199.4	30.0	11.6	11.6	11.6
20°	806.3	714.8	564.6	135.9	18.4	10.2	10.2	10.2
22.5°	816.6	703.9	518.9	86.0	13.0	9.6	10.2	10.2
25°	806.3	677.3	460.2	52.6	10.2	8.9	9.6	10.2
27.5°	768.8	624.0	381.7	33.5	8.2	8.9	9.6	10.2
30°	706.0	546.9	292.9	21.8	7.5	8.9	9.6	10.2
32.5°	617.2	432.2	189.8	14.3	6.8	8.9	9.6	10.2
35°	482.0	305.9	114.7	8.9	6.8	8.9	10.2	10.9
37.5°	361.2	204.1	62.1	5.5	6.8	8.9	10.2	10.9
40°	250.6	118.8	26.6	4.8	6.8	9.6	10.9	10.9
42.5°	145.4	47.1	6.8	4.1	6.8	9.6	10.9	11.6
45°	53.3	9.6	2.0	4.1	7.5	9.6	10.9	12.3
47.5°	7.5	2.0	2.0	4.1	7.5	9.6	11.6	12.3
50°	2.0	2.0	2.0	4.1	7.5	10.2	12.3	13.0
52.5°	2.0	2.0	2.0	4.1	7.5	10.2	12.3	13.0
55°	2.0	2.0	2.0	4.1	7.5	10.2	12.3	13.0
57.5°	2.0	2.0	2.0	4.1	7.5	10.2	12.3	13.0
60°	2.0	2.0	2.0	4.1	6.8	10.2	12.3	13.0
62.5°	2.0	2.0	2.0	4.1	6.8	9.6	11.6	12.3
65°	2.0	2.0	2.0	4.1	6.1	8.9	11.6	11.6
67.5°	2.0	2.0	2.0	3.4	6.1	8.9	10.9	11.6
70°	2.0	2.0	2.0	3.4	5.5	8.2	10.2	10.9
72.5°	2.0	2.0	2.0	2.7	4.8	7.5	9.6	10.2
75°	1.4	2.0	2.0	2.7	4.8	6.8	8.9	9.6
77.5°	1.4	2.0	2.0	2.0	4.1	5.5	7.5	8.2
80°	1.4	1.4	2.0	2.0	3.4	4.8	6.1	6.8
82.5°	1.4	1.4	1.4	2.0	2.7	3.4	4.8	4.8
85°	1.4	1.4	1.4	1.4	2.0	2.7	3.4	3.4
87.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)