

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: P1317688

Luminaire Tested: LDSQA3D17R609827DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609827DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

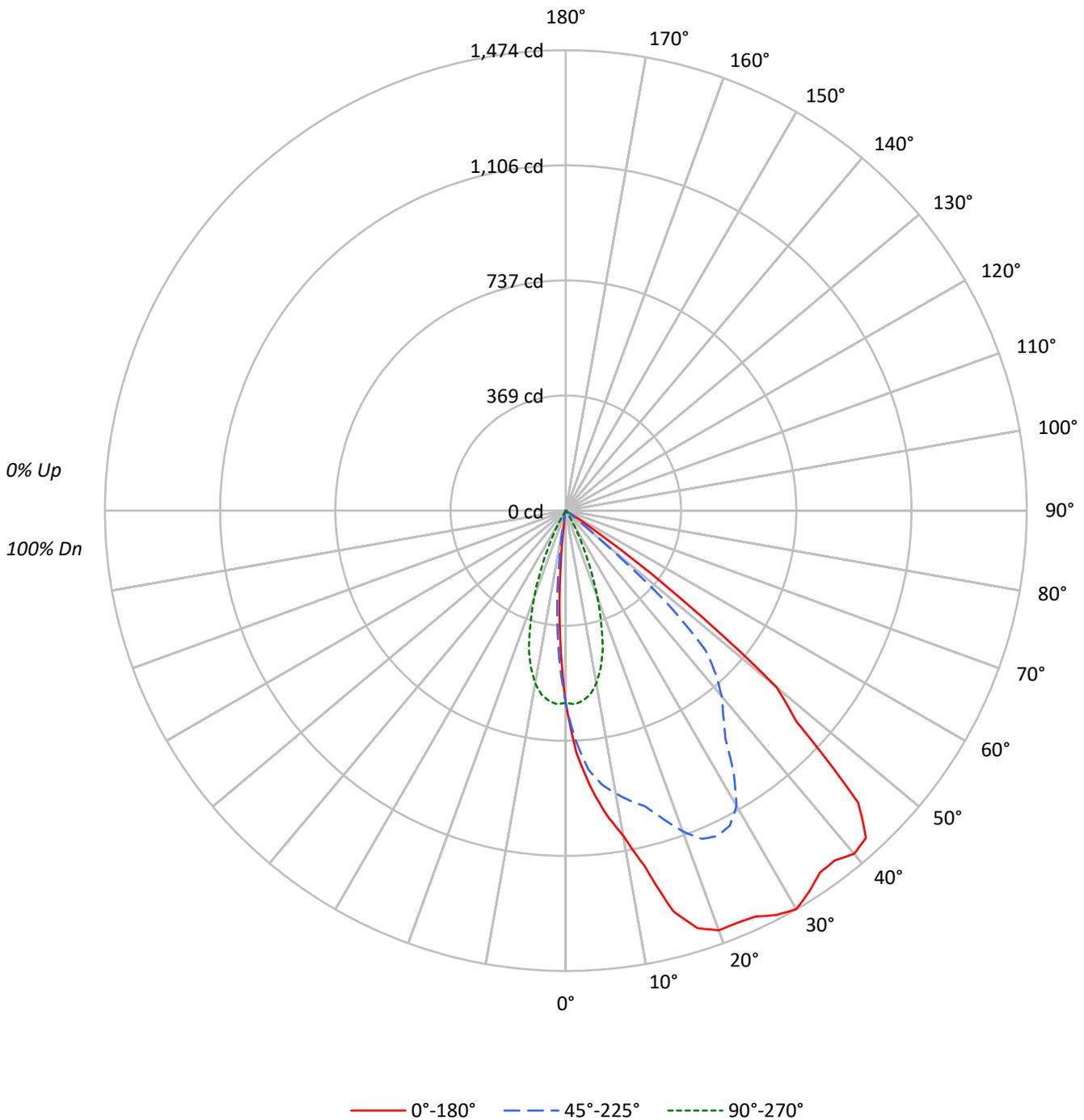
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1000.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	105969	105969	105969	105969	105969
5°	152740	143837	105803	54509	35008
10°	184760	160819	98212	6506	3830
15°	236780	174696	81393	4297	3512
20°	262047	200247	54579	2401	403
25°	272536	218436	26832	209	0
30°	293048	217062	7398	0	0
35°	297602	186908	0	0	0
40°	322438	174259	0	0	0
45°	322108	153857	0	0	0
50°	235833	37242	0	0	0
55°	46030	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	1091	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 322643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	5.3
10°-20°	150.5	15.0
20°-30°	239.8	24.0
30°-40°	277.2	27.7
40°-50°	220.1	22.0
50°-60°	57.9	5.8
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.6	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°	443.1	44.3
0°-40°	720.3	72.0
0°-60°	998.3	99.8
0°-90°	1000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	615	615	615	615	615	
5°	884	832	612	315	202	89
15°	1328	980	456	24	20	370
25°	1434	1150	141	1	0	669
35°	1416	889	0	0	0	899
45°	1322	632	0	0	0	942
55°	153	0	0	0	0	231
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°	50°
0°	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3
2.5°	774.0	781.7	778.4	775.1	767.4	764.2	764.2	755.4	741.2	739.0	729.1
5°	883.5	885.7	885.7	883.5	878.0	869.3	867.1	858.3	845.2	832.0	818.9
7.5°	978.7	977.6	971.1	966.7	956.8	944.8	933.8	921.8	902.1	884.6	866.0
10°	1056.5	1059.7	1054.3	1043.3	1030.2	1013.8	996.2	975.4	945.9	919.6	895.5
12.5°	1165.9	1164.8	1150.6	1132.0	1100.2	1069.6	1042.2	1019.2	983.1	951.4	921.8
15°	1328.0	1325.8	1312.6	1296.2	1250.2	1204.3	1157.2	1092.6	1032.4	979.8	938.2
17.5°	1401.3	1405.7	1394.7	1386.0	1359.7	1329.1	1287.5	1222.9	1129.8	1034.6	947.0
20°	1429.8	1435.3	1427.6	1426.5	1414.5	1400.2	1366.3	1296.2	1205.3	1092.6	984.2
22.5°	1428.7	1433.1	1429.8	1444.0	1458.2	1450.6	1409.0	1338.9	1245.9	1137.5	1014.9
25°	1434.2	1430.9	1418.8	1439.6	1460.4	1453.9	1433.1	1372.8	1271.0	1149.5	1025.8
27.5°	1459.3	1435.3	1411.2	1437.4	1447.3	1449.5	1437.4	1366.3	1266.7	1136.4	1003.9
30°	1473.6	1447.3	1427.6	1449.5	1449.5	1461.5	1436.3	1355.3	1229.4	1091.5	945.9
32.5°	1447.3	1441.8	1459.3	1481.2	1486.7	1486.7	1430.9	1319.2	1167.0	999.5	852.8
35°	1415.5	1428.7	1479.0	1488.9	1488.9	1464.8	1396.9	1255.7	1074.0	889.0	783.9
37.5°	1412.3	1433.1	1488.9	1476.9	1457.1	1412.3	1313.7	1145.1	941.5	826.6	732.4
40°	1434.2	1453.9	1486.7	1442.9	1395.8	1325.8	1207.5	1000.6	861.6	775.1	670.0
42.5°	1421.0	1439.6	1440.7	1376.1	1309.4	1214.1	1057.6	883.5	803.6	709.4	598.8
45°	1322.5	1324.7	1320.3	1251.3	1182.4	1083.8	917.4	825.5	740.1	631.7	440.1
47.5°	999.5	995.2	1011.6	991.9	995.2	936.0	833.1	757.6	655.8	443.4	133.6
50°	880.2	874.7	858.3	840.8	823.3	794.8	746.6	665.6	472.9	139.0	4.4
52.5°	471.8	498.1	549.6	628.4	658.0	655.8	619.6	492.6	148.9	1.1	0.0
55°	153.3	151.1	168.6	199.2	273.7	315.3	328.4	167.5	3.3	0.0	0.0
57.5°	0.0	0.0	0.0	3.3	10.9	28.5	37.2	2.2	0.0	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3
2.5°	716.0	700.7	683.1	620.7	547.4	476.2	424.8	411.6
5°	798.1	771.8	734.6	612.0	452.1	315.3	225.5	202.5
7.5°	840.8	817.8	778.4	594.5	350.3	155.5	58.0	39.4
10°	867.1	839.7	795.9	561.6	228.8	37.2	20.8	21.9
12.5°	885.7	853.9	804.7	514.5	116.0	18.6	26.3	27.4
15°	893.3	859.4	803.6	456.5	41.6	24.1	23.0	19.7
17.5°	889.0	846.3	789.3	373.3	14.2	23.0	12.0	9.9
20°	883.5	835.3	766.3	297.8	12.0	13.1	4.4	2.2
22.5°	901.0	816.7	734.6	213.5	12.0	4.4	0.0	0.0
25°	903.2	809.0	694.1	141.2	5.5	1.1	0.0	0.0
27.5°	881.3	764.2	631.7	83.2	0.0	0.0	0.0	0.0
30°	811.2	708.3	564.9	37.2	0.0	0.0	0.0	0.0
32.5°	742.3	645.9	490.5	8.8	0.0	0.0	0.0	0.0
35°	687.5	581.3	408.4	0.0	0.0	0.0	0.0	0.0
37.5°	619.6	504.7	304.3	0.0	0.0	0.0	0.0	0.0
40°	548.5	407.3	152.2	0.0	0.0	0.0	0.0	0.0
42.5°	428.1	193.8	15.3	0.0	0.0	0.0	0.0	0.0
45°	164.2	17.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)