

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: P1315844

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

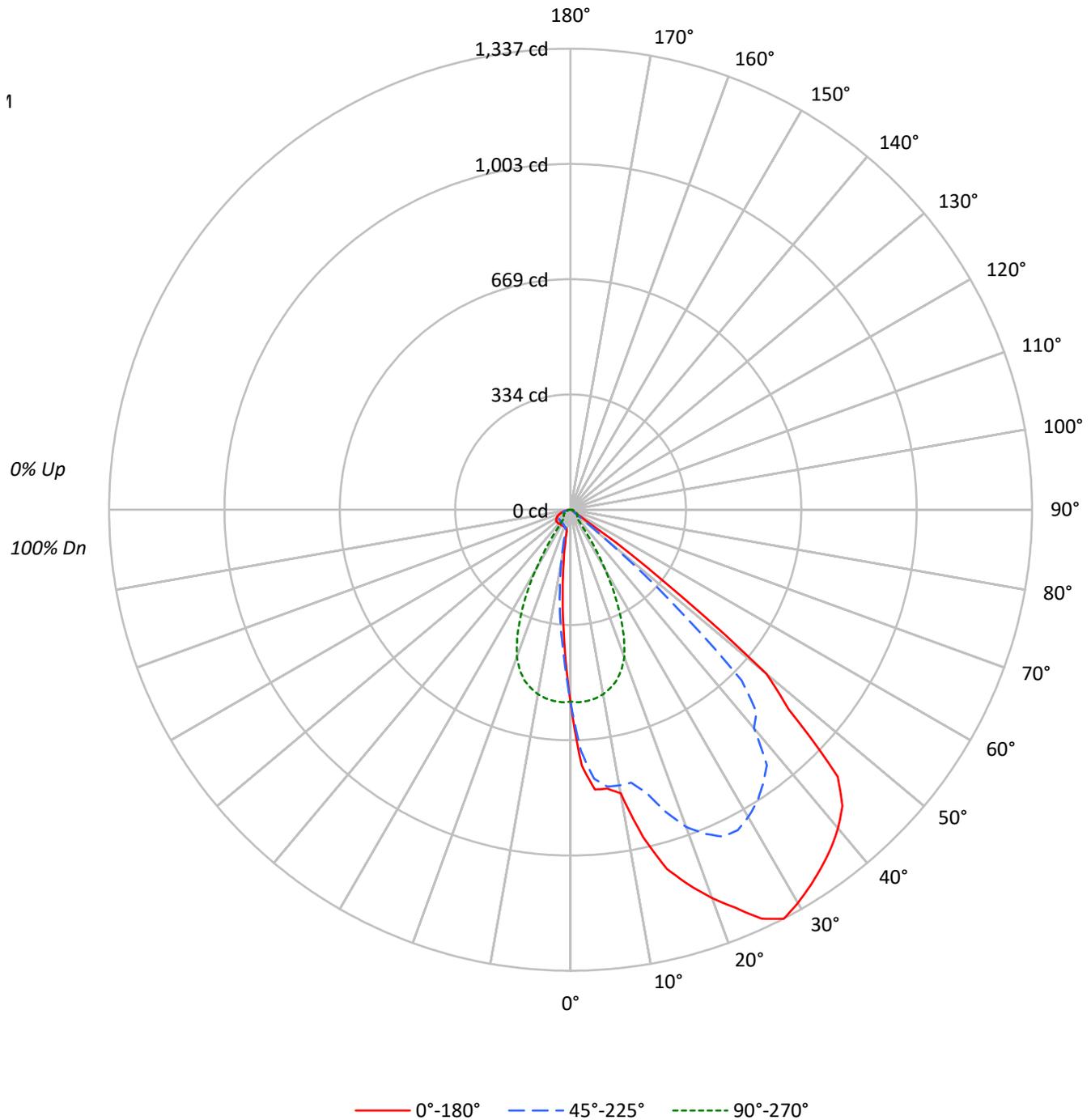
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1057.1 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1315844
CATALOG NUMBER: LDSQA3D17R709735DE010 3LSQCA30R 1MW

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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	95842	95842	95842	95842	95842
5°	140794	135400	96208	57431	45001
10°	145989	142002	95012	27474	11122
15°	192241	151411	91520	9842	9628
20°	219601	179372	83317	9457	9677
25°	248650	198730	65407	9121	9577
30°	261886	204653	40549	9068	10261
35°	266275	204253	13372	9335	10849
40°	270999	185792	6475	9982	11871
45°	266698	170589	6722	10522	12860
50°	198269	31482	6752	11575	14147
55°	15854	4324	7206	12251	15133
60°	3307	4547	7027	12400	15707
65°	3423	4401	6846	12225	16138
70°	3021	4230	6647	11481	15711
75°	2396	3993	5590	11179	15172
80°	2380	3570	5951	10711	14282
85°	2371	4742	7114	9485	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 269913 cd/sqm



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CATALOG NUMBER: LDSQA3D17R709735DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	4.8
10°-20°	142.4	13.5
20°-30°	239.1	22.6
30°-40°	287.6	27.2
40°-50°	228.0	21.6
50°-60°	72.9	6.9
60°-70°	20.4	1.9
70°-80°	12.2	1.2
80°-90°	3.8	0.4
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°	432.2	40.9
0°-40°	719.8	68.1
0°-60°	1020.7	96.6
0°-90°	1057.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	556	556	556	556	556	
5°	814	783	556	332	260	77
15°	1078	849	513	55	54	303
25°	1308	1046	344	48	50	598
35°	1266	972	64	44	52	793
45°	1095	700	28	43	53	787
55°	53	14	24	41	50	165
65°	8	11	17	30	40	8
75°	4	6	8	17	23	4
85°	1	2	4	5	6	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D17R709735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
2.5°	742.4	747.2	747.2	741.2	743.6	734.0	726.8	716.0	713.6	700.4	683.6
5°	814.4	812.0	812.0	807.2	809.6	806.0	802.4	800.0	792.8	783.2	773.6
7.5°	815.6	818.0	819.2	818.0	822.8	819.2	819.2	819.2	814.4	809.6	800.0
10°	834.8	831.2	827.6	819.2	814.4	810.8	810.8	812.0	814.4	812.0	806.0
12.5°	972.7	959.5	953.5	933.1	917.5	891.1	861.1	838.4	818.0	810.8	806.0
15°	1078.2	1075.8	1063.8	1044.6	1025.5	994.3	959.5	924.7	887.5	849.2	821.6
17.5°	1140.6	1135.8	1123.8	1103.4	1080.6	1051.8	1024.3	997.9	961.9	918.7	874.3
20°	1198.2	1187.4	1171.8	1147.8	1125.0	1097.4	1067.4	1042.3	1012.3	978.7	927.1
22.5°	1249.7	1240.1	1215.0	1182.6	1159.8	1133.4	1107.0	1083.0	1055.4	1017.1	970.3
25°	1308.5	1286.9	1246.1	1204.2	1176.6	1155.0	1135.8	1116.6	1087.8	1045.8	990.7
27.5°	1337.3	1307.3	1262.9	1221.0	1194.6	1171.8	1151.4	1132.2	1099.8	1048.2	984.7
30°	1316.9	1300.1	1268.9	1236.5	1215.0	1193.4	1169.4	1140.6	1089.0	1029.1	970.3
32.5°	1292.9	1284.5	1270.1	1250.9	1237.7	1216.2	1182.6	1135.8	1063.8	1005.1	941.5
35°	1266.5	1262.9	1258.1	1249.7	1241.3	1221.0	1179.0	1110.6	1038.7	971.5	910.3
37.5°	1238.9	1235.3	1238.9	1237.7	1230.6	1204.2	1140.6	1077.0	1002.7	934.3	815.6
40°	1205.4	1203.0	1209.0	1215.0	1206.6	1171.8	1103.4	1026.7	960.7	826.4	785.6
42.5°	1165.8	1164.6	1175.4	1180.2	1168.2	1116.6	1036.3	979.9	840.8	797.6	701.6
45°	1095.0	1097.4	1102.2	1108.2	1101.0	1044.6	971.5	868.3	807.2	700.4	399.4
47.5°	857.5	859.9	883.9	934.3	969.1	949.9	887.5	810.8	722.0	400.6	125.9
50°	740.0	737.6	738.8	750.8	778.4	804.8	785.6	743.6	430.6	117.5	15.6
52.5°	325.0	361.0	399.4	507.3	576.9	650.1	664.4	465.4	140.3	15.6	15.6
55°	52.8	55.2	69.6	101.9	183.5	277.1	335.8	155.9	14.4	14.4	14.4
57.5°	10.8	10.8	10.8	12.0	18.0	38.4	44.4	13.2	13.2	13.2	14.4
60°	9.6	9.6	9.6	9.6	10.8	10.8	10.8	12.0	12.0	13.2	13.2
62.5°	9.6	9.6	9.6	9.6	9.6	9.6	10.8	10.8	12.0	12.0	13.2
65°	8.4	8.4	8.4	8.4	9.6	9.6	9.6	9.6	10.8	10.8	12.0
67.5°	7.2	7.2	7.2	7.2	8.4	8.4	8.4	9.6	9.6	9.6	10.8
70°	6.0	6.0	6.0	6.0	7.2	7.2	7.2	7.2	8.4	8.4	8.4
72.5°	4.8	4.8	4.8	4.8	6.0	6.0	6.0	6.0	7.2	7.2	7.2
75°	3.6	3.6	4.8	4.8	4.8	4.8	4.8	4.8	6.0	6.0	6.0
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8	4.8
80°	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6
82.5°	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315844

CATALOG NUMBER: LDSQA3D17R709735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
2.5°	672.8	656.1	633.3	558.9	490.5	428.2	397.0	393.4
5°	758.0	742.4	704.0	556.5	425.8	332.2	275.9	260.3
7.5°	790.4	777.2	743.6	551.7	364.6	238.7	175.1	151.1
10°	798.8	790.4	761.6	543.3	301.0	157.1	82.8	63.6
12.5°	802.4	796.4	768.8	530.1	237.5	81.6	56.4	56.4
15°	808.4	802.4	776.0	513.3	175.1	55.2	54.0	54.0
17.5°	834.8	815.6	785.6	488.1	115.1	52.8	52.8	52.8
20°	877.9	836.0	790.4	454.6	72.0	51.6	51.6	52.8
22.5°	913.9	857.5	789.2	404.2	52.8	49.2	50.4	51.6
25°	929.5	867.1	778.4	344.2	45.6	48.0	50.4	50.4
27.5°	927.1	870.7	768.8	275.9	43.2	46.8	49.2	51.6
30°	913.9	861.1	747.2	203.9	40.8	45.6	49.2	51.6
32.5°	891.1	824.0	704.0	131.9	39.6	45.6	49.2	51.6
35°	816.8	764.0	641.7	63.6	38.4	44.4	50.4	51.6
37.5°	773.6	700.4	489.3	31.2	37.2	44.4	50.4	51.6
40°	704.0	522.9	220.7	28.8	37.2	44.4	50.4	52.8
42.5°	442.6	214.7	36.0	27.6	36.0	44.4	50.4	52.8
45°	161.9	28.8	19.2	27.6	36.0	43.2	50.4	52.8
47.5°	16.8	16.8	18.0	26.4	34.8	43.2	50.4	52.8
50°	15.6	16.8	18.0	25.2	33.6	43.2	49.2	52.8
52.5°	15.6	16.8	18.0	25.2	32.4	42.0	49.2	52.8
55°	15.6	16.8	16.8	24.0	31.2	40.8	48.0	50.4
57.5°	14.4	15.6	16.8	22.8	30.0	38.4	46.8	49.2
60°	14.4	15.6	16.8	20.4	28.8	36.0	44.4	45.6
62.5°	13.2	14.4	15.6	19.2	26.4	33.6	40.8	43.2
65°	13.2	13.2	14.4	16.8	24.0	30.0	37.2	39.6
67.5°	10.8	12.0	12.0	14.4	20.4	26.4	33.6	36.0
70°	9.6	9.6	10.8	13.2	18.0	22.8	28.8	31.2
72.5°	8.4	8.4	8.4	10.8	15.6	20.4	25.2	27.6
75°	7.2	7.2	7.2	8.4	13.2	16.8	21.6	22.8
77.5°	6.0	6.0	6.0	7.2	10.8	14.4	16.8	19.2
80°	4.8	4.8	4.8	6.0	8.4	10.8	13.2	14.4
82.5°	3.6	3.6	3.6	4.8	6.0	7.2	9.6	9.6
85°	2.4	2.4	2.4	3.6	3.6	4.8	6.0	6.0
87.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)