

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: P1315685

Luminaire Tested: LDSQA3D13R609735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

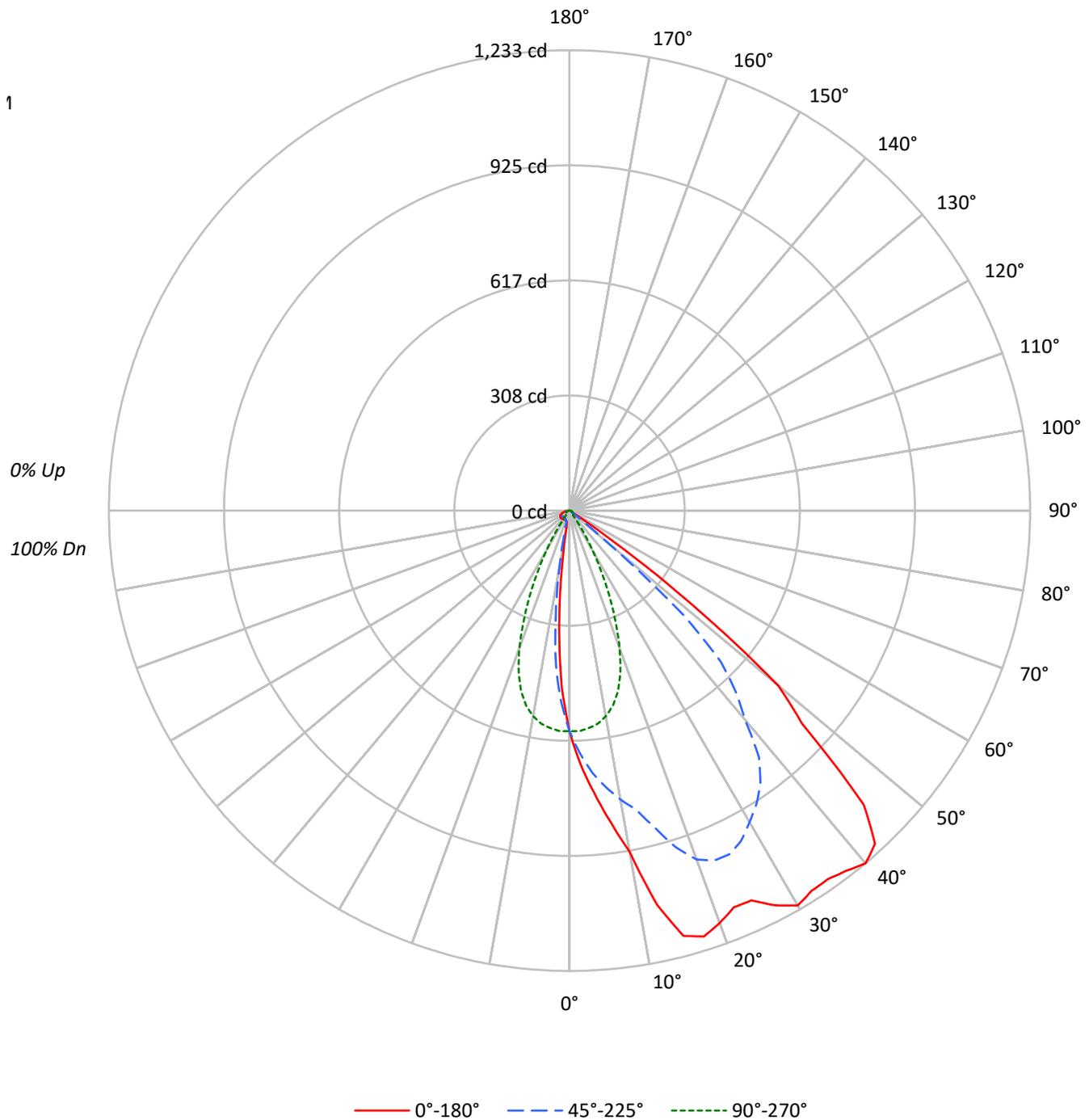
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 959.0 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	101663	101663	101663	101663	101663
5°	131320	121933	101118	72005	54941
10°	162306	137438	97845	27229	8079
15°	210196	156421	89274	5973	5331
20°	215385	182194	71844	4985	5150
25°	218854	192877	48172	4827	5169
30°	242894	191587	24838	4852	5409
35°	253366	187307	6854	5130	5908
40°	277249	164276	3260	5486	6520
45°	271252	139584	3312	5943	7282
50°	195536	34456	3644	6538	8011
55°	37503	2162	3813	7056	8978
60°	1860	2170	3754	7474	9679
65°	1834	2201	3708	7743	10351
70°	1813	2266	3626	7755	10474
75°	1797	2396	3593	7852	10846
80°	893	2678	3570	8034	10811
85°	1778	1778	3557	7114	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 271252 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	5.4
10°-20°	141.7	14.8
20°-30°	218.2	22.7
30°-40°	256.0	26.7
40°-50°	205.2	21.4
50°-60°	63.7	6.6
60°-70°	12.0	1.3
70°-80°	8.0	0.8
80°-90°	2.8	0.3
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°	411.2	42.9
0°-40°	667.2	69.6
0°-60°	936.2	97.6
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	590	590	590	590	590	
5°	760	705	585	416	318	77
15°	1179	877	501	34	30	323
25°	1152	1015	254	25	27	544
35°	1205	891	33	24	28	763
45°	1114	573	14	24	30	797
55°	125	7	13	24	30	198
65°	4	5	9	19	25	4
75°	3	4	5	12	16	2
85°	1	1	2	4	5	1
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°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	680.9	673.6	673.6	670.9	668.2	669.1	661.9	664.6	657.3	651.9	647.4
5°	759.6	750.6	749.7	745.2	740.6	737.0	728.0	722.5	711.7	705.3	691.7
7.5°	841.1	833.9	829.4	823.9	815.8	806.7	791.3	781.4	764.2	747.0	729.8
10°	928.1	921.7	911.8	905.4	882.8	868.3	847.5	833.9	808.5	785.9	759.6
12.5°	1080.2	1076.5	1057.5	1044.8	1012.3	983.3	938.0	901.8	856.5	819.4	784.1
15°	1178.9	1174.3	1164.4	1152.6	1131.8	1099.2	1058.4	1007.7	944.3	877.3	817.6
17.5°	1196.1	1197.0	1190.6	1187.9	1174.3	1153.5	1120.9	1082.9	1019.5	945.3	863.8
20°	1175.2	1182.5	1180.7	1186.1	1188.8	1180.7	1158.9	1121.8	1066.6	994.1	902.7
22.5°	1149.9	1156.2	1154.4	1164.4	1179.8	1187.9	1180.7	1150.8	1094.6	1014.1	924.4
25°	1151.7	1156.2	1142.6	1149.0	1168.9	1188.8	1189.7	1163.5	1102.8	1015.0	922.6
27.5°	1191.5	1177.9	1147.2	1144.4	1168.9	1194.2	1196.1	1163.5	1091.0	996.0	904.5
30°	1221.4	1211.4	1177.0	1172.5	1196.1	1213.3	1204.2	1153.5	1063.0	963.4	878.3
32.5°	1206.9	1208.7	1194.2	1208.7	1239.5	1246.8	1208.7	1130.0	1024.0	931.7	847.5
35°	1205.1	1212.4	1220.5	1243.1	1264.0	1246.8	1186.1	1085.6	982.4	890.9	799.5
37.5°	1216.0	1227.7	1239.5	1259.4	1259.4	1215.1	1126.3	1029.5	932.6	833.0	699.9
40°	1233.2	1240.4	1244.0	1242.2	1217.8	1152.6	1058.4	961.6	869.2	730.7	633.8
42.5°	1210.5	1209.6	1206.0	1190.6	1145.4	1060.2	972.4	893.6	747.9	659.1	548.7
45°	1113.7	1113.7	1103.7	1079.3	1037.6	967.0	889.1	774.1	681.8	573.1	407.4
47.5°	842.9	836.6	847.5	862.0	862.0	855.6	785.0	685.4	591.2	413.8	130.4
50°	729.8	719.8	706.2	708.9	707.1	714.4	669.1	594.0	437.3	128.6	9.1
52.5°	412.9	431.0	475.3	537.8	565.9	575.8	547.8	451.8	147.6	8.1	7.2
55°	124.9	128.6	145.8	179.3	243.6	311.5	316.0	146.7	10.0	7.2	7.2
57.5°	5.4	5.4	7.2	10.9	25.4	38.0	40.7	9.1	6.3	7.2	7.2
60°	5.4	5.4	5.4	5.4	5.4	5.4	6.3	6.3	6.3	6.3	7.2
62.5°	4.5	4.5	5.4	5.4	5.4	5.4	5.4	5.4	6.3	6.3	6.3
65°	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4	6.3
67.5°	3.6	3.6	3.6	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4
70°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5
72.5°	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6	3.6	3.6	4.5
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6	3.6
77.5°	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7
80°	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	641.0	633.8	625.6	591.2	557.7	512.5	481.7	472.6
5°	680.0	668.2	650.1	584.9	506.1	416.5	344.1	317.8
7.5°	712.6	694.5	669.1	575.8	444.6	282.5	182.0	153.9
10°	736.1	713.5	680.9	559.5	363.1	155.7	61.6	46.2
12.5°	756.0	726.1	687.2	535.1	264.4	63.4	31.7	31.7
15°	769.6	733.4	689.9	500.7	171.1	33.5	29.9	29.9
17.5°	788.6	741.5	689.9	452.7	93.3	29.0	29.0	29.0
20°	819.4	749.7	680.0	392.0	51.6	27.2	28.1	28.1
22.5°	835.7	761.5	667.3	321.4	32.6	26.3	27.2	27.2
25°	839.3	759.6	640.1	253.5	26.3	25.4	26.3	27.2
27.5°	826.6	747.0	603.9	184.7	23.5	24.4	26.3	27.2
30°	804.0	716.2	546.0	124.9	21.7	24.4	26.3	27.2
32.5°	761.5	641.9	478.1	75.1	20.8	24.4	26.3	28.1
35°	666.4	564.1	400.2	32.6	19.9	24.4	27.2	28.1
37.5°	597.6	486.2	309.7	16.3	19.9	24.4	27.2	29.0
40°	521.5	391.1	143.1	14.5	19.9	24.4	27.2	29.0
42.5°	397.5	181.1	17.2	14.5	19.0	24.4	28.1	29.0
45°	144.9	19.0	9.1	13.6	19.0	24.4	28.1	29.9
47.5°	10.9	7.2	8.1	13.6	19.0	24.4	28.1	29.9
50°	7.2	7.2	8.1	13.6	19.0	24.4	28.1	29.9
52.5°	7.2	8.1	8.1	12.7	18.1	24.4	28.1	29.9
55°	7.2	8.1	8.1	12.7	18.1	23.5	28.1	29.9
57.5°	7.2	7.2	8.1	11.8	17.2	22.6	28.1	29.0
60°	7.2	7.2	8.1	10.9	16.3	21.7	26.3	28.1
62.5°	7.2	7.2	7.2	10.0	15.4	20.8	25.4	27.2
65°	6.3	6.3	7.2	9.1	13.6	19.0	23.5	25.4
67.5°	5.4	6.3	6.3	8.1	12.7	17.2	21.7	23.5
70°	5.4	5.4	5.4	7.2	10.9	15.4	19.9	20.8
72.5°	4.5	4.5	5.4	6.3	10.0	13.6	18.1	19.0
75°	3.6	4.5	4.5	5.4	8.1	11.8	15.4	16.3
77.5°	3.6	3.6	3.6	4.5	7.2	10.0	12.7	13.6
80°	2.7	2.7	2.7	3.6	5.4	8.1	10.0	10.9
82.5°	1.8	2.7	2.7	2.7	4.5	5.4	7.2	8.1
85°	1.8	1.8	1.8	1.8	2.7	3.6	4.5	5.4
87.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)