

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: P1316664

Luminaire Tested: LDSQA3D13R659740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R659740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

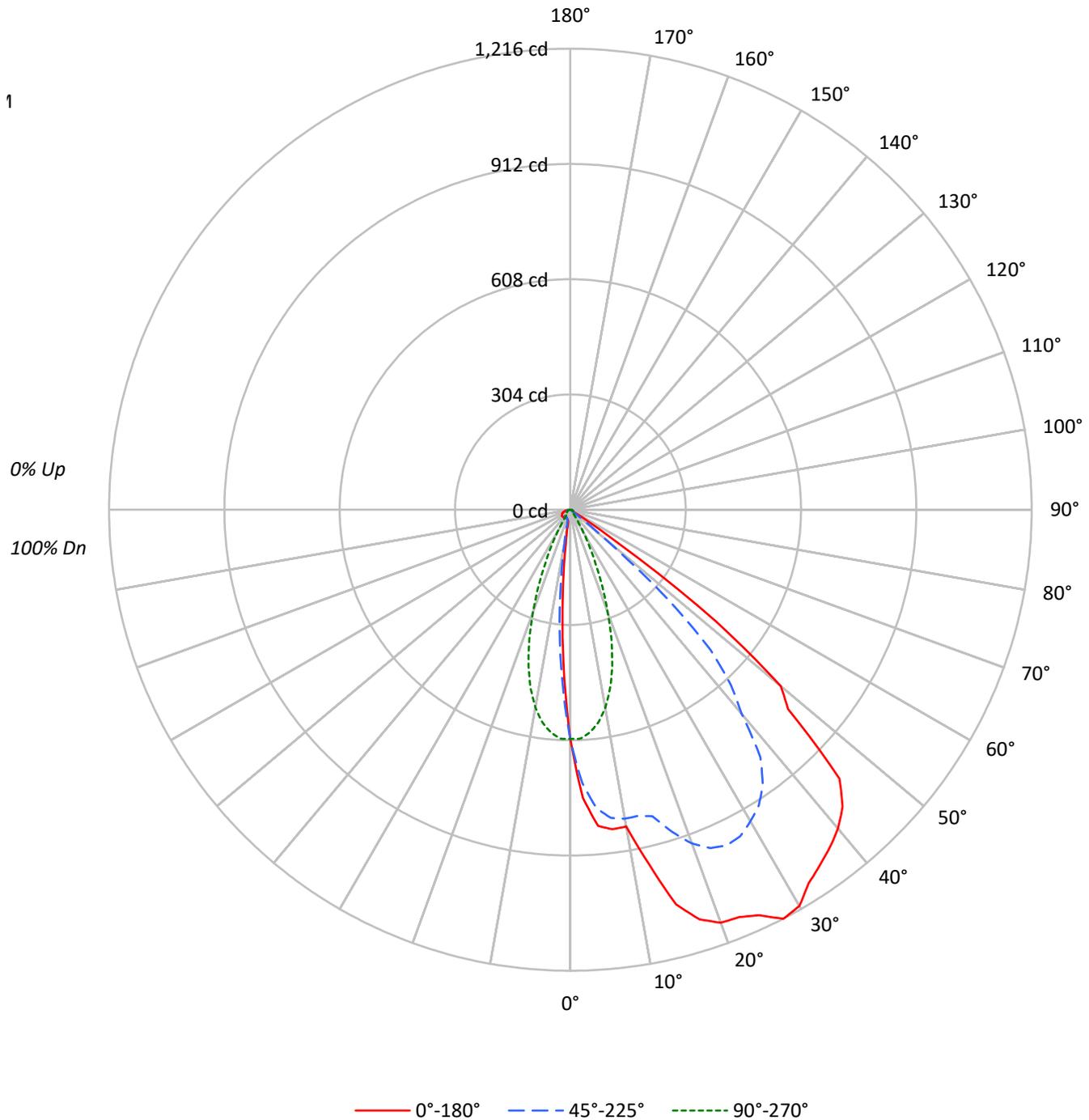
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 906.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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 (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	102	102	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	104109	104109	104109	104109	104109
5°	144701	136558	101896	55996	39382
10°	148350	144730	92704	15634	5771
15°	192205	149235	75884	5028	4868
20°	212416	171692	52802	4490	4655
25°	224174	185542	29872	4295	4656
30°	240031	188743	13483	4315	4872
35°	240899	185878	4352	4562	5340
40°	246808	157914	2968	4879	5935
45°	244461	127260	2971	5285	6430
50°	193982	30008	3028	5814	7315
55°	46090	1681	3123	6516	8197
60°	1619	1929	3582	6820	8749
65°	1915	1915	3464	7294	9577
70°	1410	1913	3323	7100	9970
75°	1264	1863	3127	7519	10048
80°	893	1884	3769	7438	10315
85°	1778	3754	3754	7509	9287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 244899 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	5.6
10°-20°	132.8	14.7
20°-30°	208.7	23.0
30°-40°	238.7	26.3
40°-50°	191.9	21.2
50°-60°	62.4	6.9
60°-70°	11.1	1.2
70°-80°	7.3	0.8
80°-90°	2.6	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°	392.0	43.3
0°-40°	630.7	69.6
0°-60°	885.0	97.7
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	604	604	604	604	604	
5°	837	790	589	324	228	79
15°	1078	837	426	28	27	300
25°	1180	976	157	23	24	550
35°	1146	884	21	22	25	720
45°	1004	522	12	22	26	722
55°	154	6	10	22	27	219
65°	5	5	8	18	24	4
75°	2	3	5	11	15	2
85°	1	2	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°	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5
2.5°	760.7	757.9	761.7	755.1	754.2	747.6	743.8	741.9	733.4	722.1	711.8
5°	837.0	825.7	828.5	827.6	822.9	820.1	816.3	811.6	800.3	789.9	776.8
7.5°	850.2	840.8	842.7	843.6	840.8	839.8	838.9	837.0	829.5	820.1	808.8
10°	848.3	838.9	838.0	835.1	832.3	833.2	833.2	833.2	831.4	827.6	823.8
12.5°	957.5	944.3	941.5	921.7	903.9	872.8	853.0	834.2	825.7	826.7	823.8
15°	1078.0	1077.1	1067.7	1048.9	1018.7	990.5	945.3	911.4	868.1	837.0	823.8
17.5°	1132.6	1131.7	1123.2	1107.2	1085.6	1059.2	1026.3	986.7	938.7	890.7	851.1
20°	1159.0	1165.6	1156.2	1143.0	1122.3	1097.8	1066.7	1031.0	985.8	936.8	889.7
22.5°	1162.8	1171.2	1162.8	1153.4	1138.3	1122.3	1095.9	1059.2	1013.1	966.0	919.9
25°	1179.7	1182.5	1164.7	1152.4	1138.3	1127.0	1106.3	1074.3	1027.2	976.4	931.2
27.5°	1216.4	1204.2	1166.5	1149.6	1136.4	1126.1	1106.3	1073.3	1022.5	970.7	923.6
30°	1207.0	1202.3	1169.4	1153.4	1142.1	1131.7	1107.2	1064.9	1003.7	949.1	900.1
32.5°	1168.4	1177.8	1166.5	1160.9	1155.2	1142.1	1106.3	1048.9	980.1	924.6	858.7
35°	1145.8	1157.1	1158.1	1158.1	1151.5	1131.7	1089.3	1025.3	956.6	884.1	795.6
37.5°	1123.2	1132.6	1138.3	1142.1	1132.6	1104.4	1050.7	993.3	918.0	822.9	667.5
40°	1097.8	1104.4	1109.1	1111.0	1096.9	1060.1	1011.2	946.2	861.5	702.4	596.0
42.5°	1062.0	1065.8	1064.9	1063.9	1048.9	1008.4	962.2	894.4	726.9	626.1	497.1
45°	1003.7	999.9	1005.5	1005.5	985.8	955.6	894.4	762.6	650.6	522.5	320.1
47.5°	777.7	780.5	807.8	852.1	879.4	870.9	788.1	667.5	547.0	342.7	106.4
50°	724.0	721.2	722.1	726.9	729.7	706.1	646.8	564.0	361.5	112.0	7.5
52.5°	485.8	488.6	510.3	560.2	576.2	559.3	502.8	376.6	131.8	7.5	6.6
55°	153.5	163.8	176.1	202.4	248.6	277.7	272.1	133.7	8.5	5.6	6.6
57.5°	5.6	5.6	7.5	13.2	25.4	41.4	43.3	8.5	6.6	6.6	6.6
60°	4.7	4.7	4.7	4.7	4.7	4.7	5.6	5.6	5.6	5.6	5.6
62.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.6	5.6	5.6	5.6
65°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.6
67.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.7	4.7	4.7	4.7
70°	2.8	2.8	2.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.7
72.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.8	3.8	3.8
75°	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8
80°	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
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°	604.5	604.5	604.5	604.5	604.5	604.5	604.5	604.5
2.5°	706.1	694.8	672.2	604.5	533.8	463.2	419.0	407.7
5°	761.7	748.5	716.5	589.4	446.3	323.9	254.2	227.8
7.5°	795.6	779.6	741.9	565.9	347.4	188.3	113.0	90.4
10°	810.6	796.5	754.2	530.1	251.4	89.4	39.5	33.0
12.5°	817.2	805.9	758.9	483.0	163.8	39.5	29.2	28.2
15°	820.1	807.8	757.0	425.6	93.2	28.2	27.3	27.3
17.5°	822.9	808.8	745.7	359.7	51.8	26.4	25.4	26.4
20°	845.5	805.0	725.9	288.1	33.9	24.5	24.5	25.4
22.5°	868.1	804.1	691.1	220.3	26.4	23.5	24.5	24.5
25°	875.6	794.6	646.8	157.2	22.6	22.6	23.5	24.5
27.5°	861.5	767.3	587.5	106.4	19.8	22.6	23.5	24.5
30°	828.5	721.2	516.0	67.8	18.8	21.7	23.5	24.5
32.5°	767.3	629.9	435.9	40.5	17.9	21.7	24.5	24.5
35°	644.9	528.2	345.5	20.7	17.9	21.7	24.5	25.4
37.5°	564.0	440.6	241.0	14.1	17.9	21.7	24.5	25.4
40°	467.9	318.2	100.7	13.2	17.9	21.7	24.5	26.4
42.5°	323.9	138.4	16.0	12.2	16.9	21.7	25.4	26.4
45°	116.7	17.9	7.5	12.2	16.9	21.7	25.4	26.4
47.5°	10.4	6.6	7.5	12.2	16.9	21.7	25.4	27.3
50°	6.6	6.6	6.6	11.3	16.9	21.7	25.4	27.3
52.5°	6.6	6.6	6.6	11.3	16.0	21.7	26.4	27.3
55°	6.6	6.6	6.6	10.4	16.0	21.7	25.4	27.3
57.5°	6.6	6.6	7.5	10.4	16.0	20.7	25.4	26.4
60°	6.6	6.6	6.6	10.4	15.1	19.8	24.5	25.4
62.5°	5.6	6.6	6.6	9.4	14.1	18.8	23.5	24.5
65°	5.6	5.6	6.6	8.5	13.2	17.9	21.7	23.5
67.5°	4.7	5.6	5.6	7.5	11.3	16.0	19.8	21.7
70°	4.7	4.7	4.7	6.6	10.4	14.1	18.8	19.8
72.5°	3.8	4.7	4.7	5.6	8.5	12.2	16.0	17.9
75°	3.8	3.8	3.8	4.7	7.5	11.3	14.1	15.1
77.5°	2.8	2.8	3.8	3.8	6.6	8.5	12.2	13.2
80°	2.8	2.8	2.8	3.8	4.7	7.5	9.4	10.4
82.5°	1.9	1.9	1.9	2.8	3.8	4.7	6.6	7.5
85°	1.9	1.9	1.9	1.9	2.8	3.8	4.7	4.7
87.5°	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)