

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: P1314720

Luminaire Tested: LDSQA3D13R659730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314720
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: LDSQA3D13R659730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

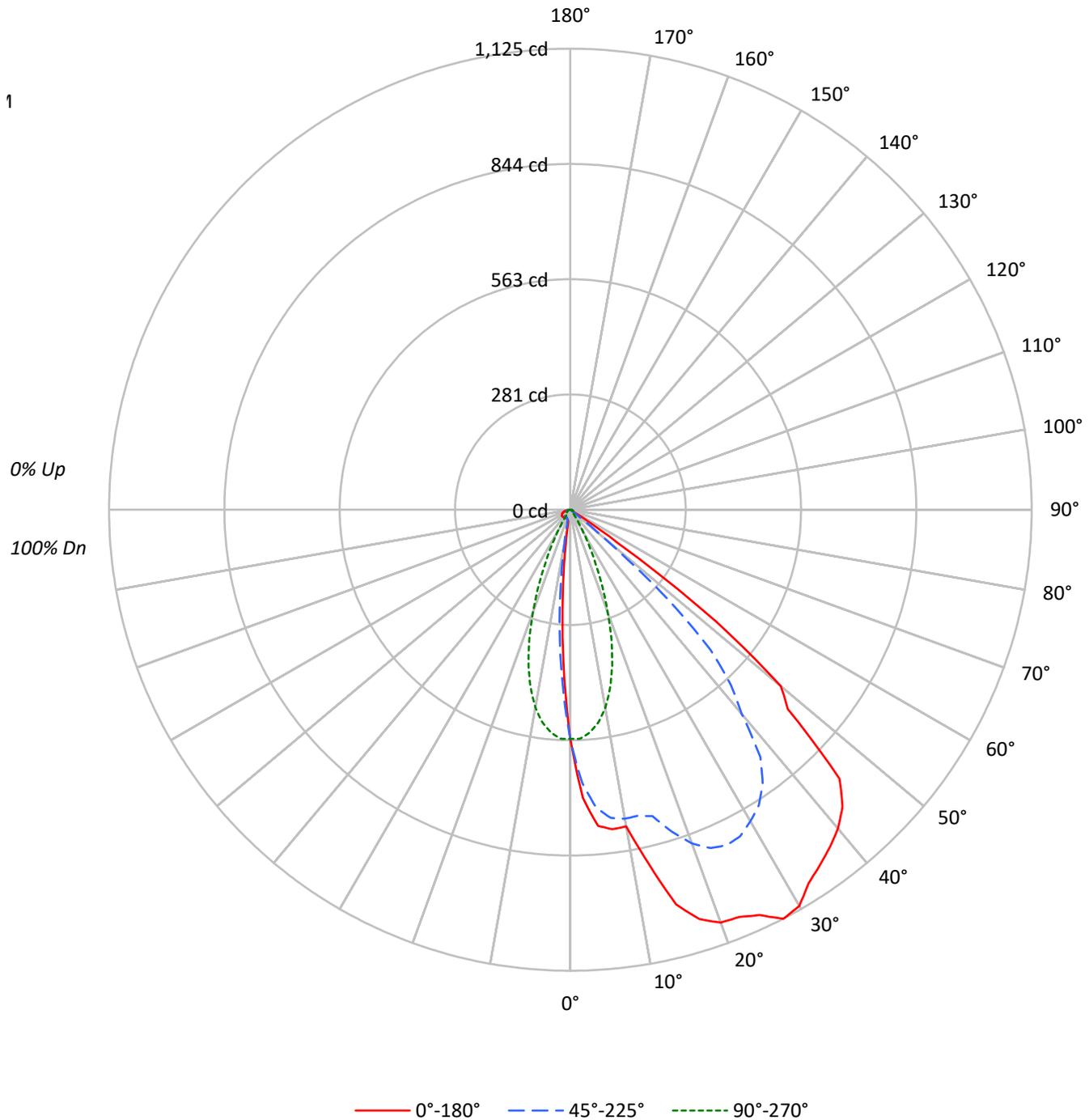
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 838.0 lumens
Efficiency: N/A
Efficacy: 57.4 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°	96290	96290	96290	96290	96290
5°	133844	126306	94254	51795	36426
10°	137210	133870	85743	14463	5334
15°	177781	138038	70178	4654	4511
20°	196471	158808	48843	4142	4307
25°	207357	171613	27630	3972	4295
30°	222014	174564	12469	3977	4494
35°	222818	171917	4037	4205	4941
40°	228283	146066	2743	4496	5486
45°	226096	117712	2752	4871	5943
50°	179433	27758	2813	5359	6779
55°	42607	1561	2883	6005	7597
60°	1516	1791	3307	6303	8094
65°	1793	1793	3179	6724	8884
70°	1309	1762	3072	6596	9215
75°	1131	1730	2928	6987	9249
80°	893	1686	3471	6943	9521
85°	1778	3359	3359	6916	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 226535 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	5.6
10°-20°	122.9	14.7
20°-30°	193.0	23.0
30°-40°	220.8	26.3
40°-50°	177.5	21.2
50°-60°	57.7	6.9
60°-70°	10.3	1.2
70°-80°	6.8	0.8
80°-90°	2.4	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°	362.5	43.3
0°-40°	583.3	69.6
0°-60°	818.5	97.7
0°-90°	838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	559	559	559	559	559	
5°	774	731	545	300	211	73
15°	997	774	394	26	25	278
25°	1091	903	145	21	23	508
35°	1060	818	19	20	24	666
45°	928	483	11	20	24	668
55°	142	5	10	20	25	203
65°	4	4	8	16	22	4
75°	2	3	4	10	14	2
85°	1	2	2	4	4	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°	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1
2.5°	703.6	701.0	704.5	698.4	697.6	691.5	688.0	686.2	678.4	667.9	658.4
5°	774.2	763.7	766.3	765.5	761.1	758.5	755.0	750.7	740.2	730.6	718.5
7.5°	786.4	777.7	779.4	780.3	777.7	776.8	775.9	774.2	767.2	758.5	748.1
10°	784.6	775.9	775.1	772.4	769.8	770.7	770.7	770.7	769.0	765.5	762.0
12.5°	885.7	873.5	870.9	852.6	836.0	807.3	789.0	771.6	763.7	764.6	762.0
15°	997.1	996.3	987.5	970.1	942.3	916.1	874.3	843.0	802.9	774.2	762.0
17.5°	1047.6	1046.8	1038.9	1024.1	1004.1	979.7	949.2	912.7	868.2	823.8	787.3
20°	1072.0	1078.1	1069.4	1057.2	1038.1	1015.4	986.7	953.6	911.8	866.5	823.0
22.5°	1075.5	1083.3	1075.5	1066.8	1052.9	1038.1	1013.7	979.7	937.0	893.5	850.8
25°	1091.2	1093.8	1077.2	1065.9	1052.9	1042.4	1023.3	993.6	950.1	903.1	861.3
27.5°	1125.1	1113.8	1079.0	1063.3	1051.1	1041.5	1023.3	992.8	945.7	897.8	854.3
30°	1116.4	1112.1	1081.6	1066.8	1056.3	1046.8	1024.1	984.9	928.3	877.8	832.5
32.5°	1080.7	1089.4	1079.0	1073.8	1068.5	1056.3	1023.3	970.1	906.6	855.2	794.2
35°	1059.8	1070.3	1071.1	1071.1	1065.1	1046.8	1007.6	948.4	884.8	817.7	735.9
37.5°	1038.9	1047.6	1052.9	1056.3	1047.6	1021.5	971.9	918.7	849.1	761.1	617.4
40°	1015.4	1021.5	1025.9	1027.6	1014.5	980.6	935.3	875.2	796.8	649.7	551.2
42.5°	982.3	985.8	984.9	984.1	970.1	932.7	890.0	827.3	672.3	579.1	459.8
45°	928.3	924.8	930.1	930.1	911.8	883.9	827.3	705.4	601.8	483.3	296.1
47.5°	719.3	721.9	747.2	788.1	813.4	805.5	728.9	617.4	506.0	317.0	98.4
50°	669.7	667.1	667.9	672.3	674.9	653.1	598.3	521.6	334.4	103.6	7.0
52.5°	449.4	452.0	472.0	518.2	533.0	517.3	465.0	348.3	121.9	7.0	6.1
55°	141.9	151.5	162.8	187.2	229.9	256.9	251.7	123.7	7.8	5.2	6.1
57.5°	5.2	5.2	7.0	12.2	23.5	38.3	40.1	7.8	6.1	6.1	6.1
60°	4.4	4.4	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.2	5.2
62.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.2
65°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.2
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4
70°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5
75°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
80°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
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°	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1
2.5°	653.1	642.7	621.8	559.1	493.8	428.5	387.5	377.1
5°	704.5	692.3	662.7	545.2	412.8	299.6	235.1	210.7
7.5°	735.9	721.1	686.2	523.4	321.3	174.2	104.5	83.6
10°	749.8	736.7	697.6	490.3	232.5	82.7	36.6	30.5
12.5°	755.9	745.4	701.9	446.7	151.5	36.6	27.0	26.1
15°	758.5	747.2	700.2	393.6	86.2	26.1	25.3	25.3
17.5°	761.1	748.1	689.7	332.7	47.9	24.4	23.5	24.4
20°	782.0	744.6	671.4	266.5	31.4	22.6	22.6	23.5
22.5°	802.9	743.7	639.2	203.8	24.4	21.8	22.6	22.6
25°	809.9	735.0	598.3	145.4	20.9	20.9	21.8	22.6
27.5°	796.8	709.7	543.4	98.4	18.3	20.9	21.8	22.6
30°	766.3	667.1	477.2	62.7	17.4	20.0	21.8	22.6
32.5°	709.7	582.6	403.2	37.4	16.5	20.0	22.6	22.6
35°	596.5	488.5	319.6	19.2	16.5	20.0	22.6	23.5
37.5°	521.6	407.6	222.9	13.1	16.5	20.0	22.6	23.5
40°	432.8	294.3	93.2	12.2	16.5	20.0	22.6	24.4
42.5°	299.6	128.0	14.8	11.3	15.7	20.0	23.5	24.4
45°	108.0	16.5	7.0	11.3	15.7	20.0	23.5	24.4
47.5°	9.6	6.1	7.0	11.3	15.7	20.0	23.5	25.3
50°	6.1	6.1	6.1	10.5	15.7	20.0	23.5	25.3
52.5°	6.1	6.1	6.1	10.5	14.8	20.0	24.4	25.3
55°	6.1	6.1	6.1	9.6	14.8	20.0	23.5	25.3
57.5°	6.1	6.1	7.0	9.6	14.8	19.2	23.5	24.4
60°	6.1	6.1	6.1	9.6	13.9	18.3	22.6	23.5
62.5°	5.2	6.1	6.1	8.7	13.1	17.4	21.8	22.6
65°	5.2	5.2	6.1	7.8	12.2	16.5	20.0	21.8
67.5°	4.4	5.2	5.2	7.0	10.5	14.8	18.3	20.0
70°	4.4	4.4	4.4	6.1	9.6	13.1	17.4	18.3
72.5°	3.5	4.4	4.4	5.2	7.8	11.3	14.8	16.5
75°	3.5	3.5	3.5	4.4	7.0	10.5	13.1	13.9
77.5°	2.6	2.6	3.5	3.5	6.1	7.8	11.3	12.2
80°	2.6	2.6	2.6	3.5	4.4	7.0	8.7	9.6
82.5°	1.7	1.7	1.7	2.6	3.5	4.4	6.1	7.0
85°	1.7	1.7	1.7	1.7	2.6	3.5	4.4	4.4
87.5°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)