

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: P1319741

Luminaire Tested: LDSQA3D02R659840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319741
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: LDSQA3D02R659840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

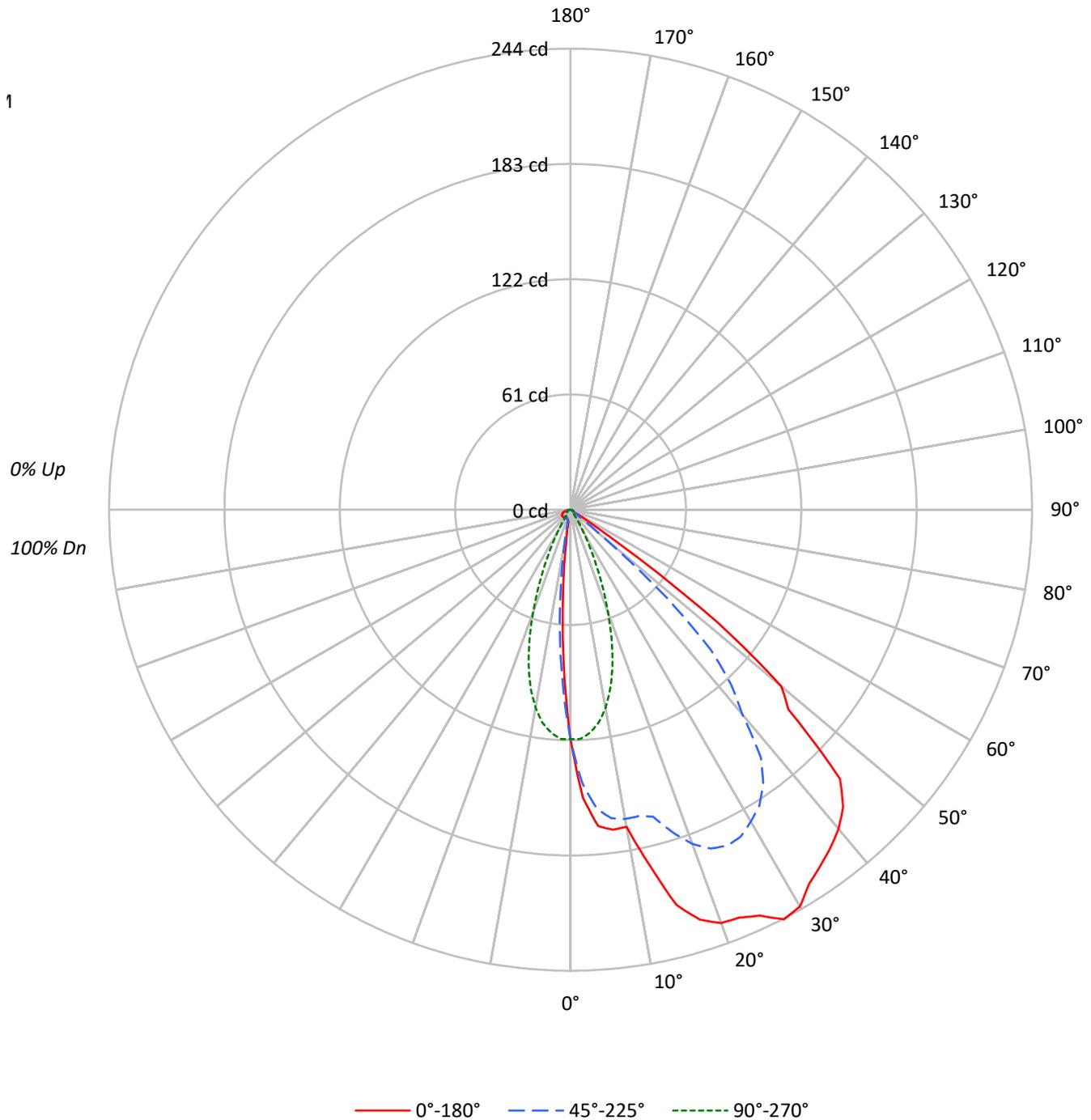
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 182.0 lumens
Efficiency: N/A
Efficacy: 50.6 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): 3.6
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				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	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°	20908	20908	20908	20908	20908
5°	29061	27436	20469	11255	7918
10°	29799	29065	18625	3148	1154
15°	38619	29972	15244	1016	981
20°	42667	34492	10612	898	935
25°	45036	37264	6005	855	931
30°	48225	37904	2705	875	974
35°	48398	37340	883	925	1072
40°	49573	31722	585	989	1192
45°	49102	25574	609	1072	1291
50°	38957	6028	616	1179	1474
55°	9248	330	631	1321	1651
60°	310	379	723	1378	1757
65°	367	367	693	1467	1915
70°	302	403	655	1410	2014
75°	266	399	599	1530	1996
80°	198	397	793	1488	2083
85°	395	790	790	1581	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 49199 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	5.6
10°-20°	26.7	14.7
20°-30°	41.9	23.0
30°-40°	48.0	26.3
40°-50°	38.6	21.2
50°-60°	12.5	6.9
60°-70°	2.2	1.2
70°-80°	1.5	0.8
80°-90°	0.5	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°	78.7	43.3
0°-40°	126.7	69.6
0°-60°	177.8	97.7
0°-90°	182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	168	159	118	65	46	16
15°	217	168	86	6	6	60
25°	237	196	32	4	5	110
35°	230	178	4	4	5	145
45°	202	105	2	4	5	145
55°	31	1	2	4	6	44
65°	1	1	2	4	5	1
75°	0	1	1	2	3	0
85°	0	0	0	1	1	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°	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	152.8	152.3	153.0	151.7	151.5	150.2	149.4	149.0	147.3	145.1	143.0
5°	168.1	165.9	166.4	166.2	165.3	164.7	164.0	163.0	160.8	158.7	156.0
7.5°	170.8	168.9	169.3	169.5	168.9	168.7	168.5	168.1	166.6	164.7	162.5
10°	170.4	168.5	168.3	167.8	167.2	167.4	167.4	167.4	167.0	166.2	165.5
12.5°	192.4	189.7	189.1	185.2	181.6	175.3	171.4	167.6	165.9	166.1	165.5
15°	216.6	216.4	214.5	210.7	204.6	199.0	189.9	183.1	174.4	168.1	165.5
17.5°	227.5	227.3	225.6	222.4	218.1	212.8	206.2	198.2	188.6	178.9	171.0
20°	232.8	234.1	232.3	229.6	225.4	220.5	214.3	207.1	198.0	188.2	178.7
22.5°	233.6	235.3	233.6	231.7	228.7	225.4	220.2	212.8	203.5	194.1	184.8
25°	237.0	237.6	234.0	231.5	228.7	226.4	222.2	215.8	206.3	196.1	187.1
27.5°	244.4	241.9	234.3	230.9	228.3	226.2	222.2	215.6	205.4	195.0	185.5
30°	242.5	241.5	234.9	231.7	229.4	227.3	222.4	213.9	201.6	190.6	180.8
32.5°	234.7	236.6	234.3	233.2	232.1	229.4	222.2	210.7	196.9	185.7	172.5
35°	230.2	232.4	232.6	232.6	231.3	227.3	218.8	206.0	192.2	177.6	159.8
37.5°	225.6	227.5	228.7	229.4	227.5	221.9	211.1	199.5	184.4	165.3	134.1
40°	220.5	221.9	222.8	223.2	220.3	213.0	203.1	190.1	173.1	141.1	119.7
42.5°	213.3	214.1	213.9	213.7	210.7	202.6	193.3	179.7	146.0	125.8	99.9
45°	201.6	200.9	202.0	202.0	198.0	192.0	179.7	153.2	130.7	105.0	64.3
47.5°	156.2	156.8	162.3	171.2	176.7	174.9	158.3	134.1	109.9	68.8	21.4
50°	145.4	144.9	145.1	146.0	146.6	141.9	129.9	113.3	72.6	22.5	1.5
52.5°	97.6	98.2	102.5	112.5	115.8	112.3	101.0	75.7	26.5	1.5	1.3
55°	30.8	32.9	35.4	40.7	49.9	55.8	54.7	26.9	1.7	1.1	1.3
57.5°	1.1	1.1	1.5	2.6	5.1	8.3	8.7	1.7	1.3	1.3	1.3
60°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
70°	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8
75°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
80°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	141.9	139.6	135.0	121.4	107.2	93.1	84.2	81.9
5°	153.0	150.4	143.9	118.4	89.6	65.1	51.1	45.8
7.5°	159.8	156.6	149.0	113.7	69.8	37.8	22.7	18.2
10°	162.8	160.0	151.5	106.5	50.5	18.0	7.9	6.6
12.5°	164.2	161.9	152.4	97.0	32.9	7.9	5.9	5.7
15°	164.7	162.3	152.1	85.5	18.7	5.7	5.5	5.5
17.5°	165.3	162.5	149.8	72.2	10.4	5.3	5.1	5.3
20°	169.8	161.7	145.8	57.9	6.8	4.9	4.9	5.1
22.5°	174.4	161.5	138.8	44.3	5.3	4.7	4.9	4.9
25°	175.9	159.6	129.9	31.6	4.5	4.5	4.7	4.9
27.5°	173.1	154.1	118.0	21.4	4.0	4.5	4.7	4.9
30°	166.4	144.9	103.6	13.6	3.8	4.4	4.7	4.9
32.5°	154.1	126.5	87.6	8.1	3.6	4.4	4.9	4.9
35°	129.6	106.1	69.4	4.2	3.6	4.4	4.9	5.1
37.5°	113.3	88.5	48.4	2.8	3.6	4.4	4.9	5.1
40°	94.0	63.9	20.2	2.6	3.6	4.4	4.9	5.3
42.5°	65.1	27.8	3.2	2.5	3.4	4.4	5.1	5.3
45°	23.5	3.6	1.5	2.5	3.4	4.4	5.1	5.3
47.5°	2.1	1.3	1.5	2.5	3.4	4.4	5.1	5.5
50°	1.3	1.3	1.3	2.3	3.4	4.4	5.1	5.5
52.5°	1.3	1.3	1.3	2.3	3.2	4.4	5.3	5.5
55°	1.3	1.3	1.3	2.1	3.2	4.4	5.1	5.5
57.5°	1.3	1.3	1.5	2.1	3.2	4.2	5.1	5.3
60°	1.3	1.3	1.3	2.1	3.0	4.0	4.9	5.1
62.5°	1.1	1.3	1.3	1.9	2.8	3.8	4.7	4.9
65°	1.1	1.1	1.3	1.7	2.6	3.6	4.4	4.7
67.5°	0.9	1.1	1.1	1.5	2.3	3.2	4.0	4.4
70°	0.9	0.9	0.9	1.3	2.1	2.8	3.8	4.0
72.5°	0.8	0.9	0.9	1.1	1.7	2.5	3.2	3.6
75°	0.8	0.8	0.8	0.9	1.5	2.3	2.8	3.0
77.5°	0.6	0.6	0.8	0.8	1.3	1.7	2.5	2.6
80°	0.6	0.6	0.6	0.8	0.9	1.5	1.9	2.1
82.5°	0.4	0.4	0.4	0.6	0.8	0.9	1.3	1.5
85°	0.4	0.4	0.4	0.4	0.6	0.8	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)