

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: P1320016

Luminaire Tested: LDSQA3D09R559840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559840DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

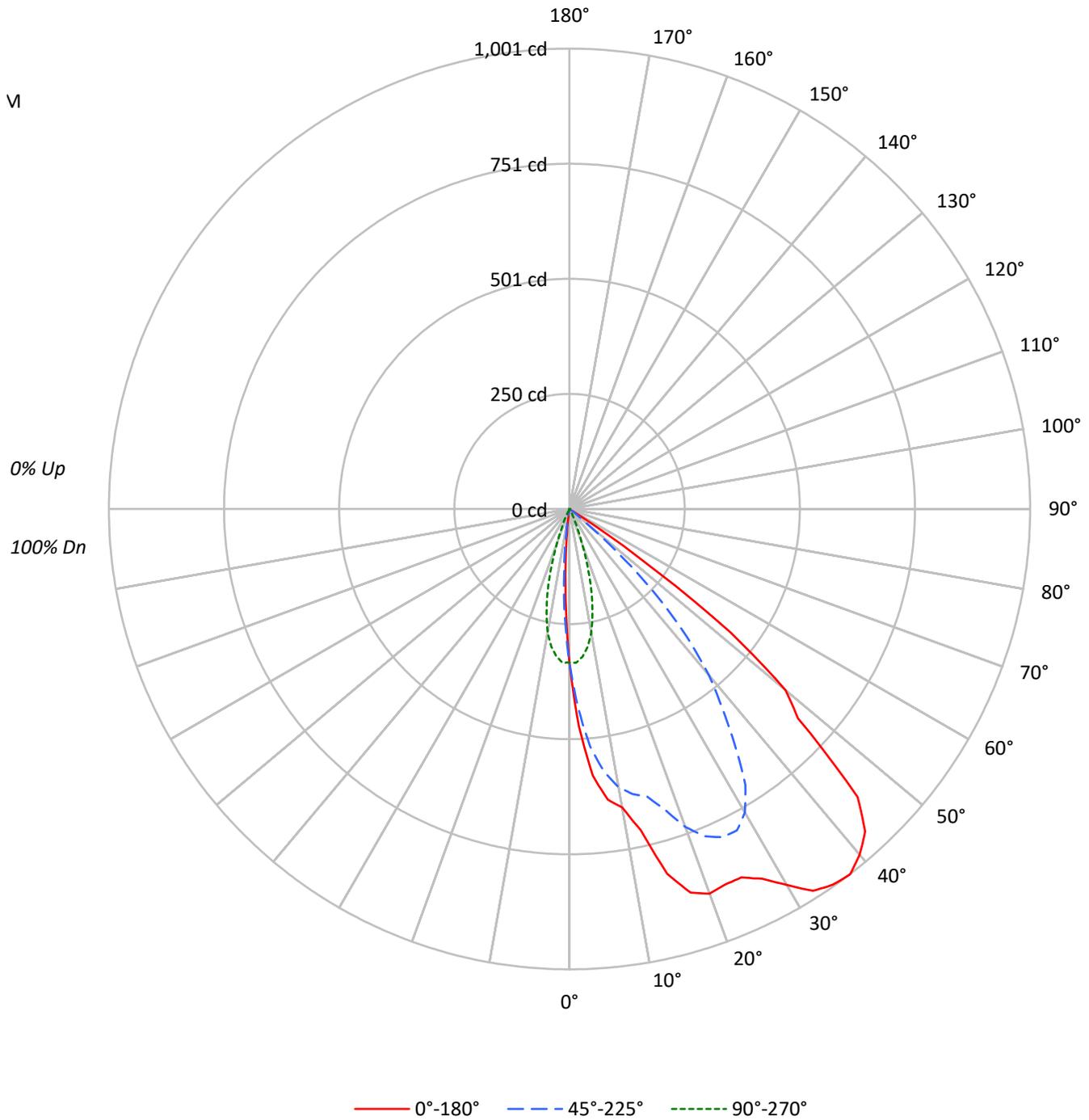
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	100			100	
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91	
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82			82	
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73			73	
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66			66	
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59			59	
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53			53	
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48	
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44			44	
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40			40	
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	57419	57419	57419	57419	57419
5°	100634	89708	55737	23149	13329
10°	115193	107376	47655	2536	909
15°	146383	115270	32664	517	303
20°	163115	134854	14350	0	0
25°	167927	149627	4086	0	0
30°	187610	151635	577	0	0
35°	209677	131655	0	0	0
40°	220572	105980	0	0	0
45°	215648	66930	0	0	0
50°	164215	13664	0	0	0
55°	53807	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	1190	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 215648 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	4.9
10°-20°	89.3	14.5
20°-30°	145.2	23.5
30°-40°	172.5	28.0
40°-50°	141.1	22.9
50°-60°	37.4	6.1
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.5	0.1
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°	264.9	42.9
0°-40°	437.5	70.9
0°-60°	615.9	99.8
0°-90°	617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	333	333	333	333	333	
5°	582	519	322	134	77	57
15°	821	646	183	3	2	230
25°	884	787	22	0	0	416
35°	997	626	0	0	0	620
45°	885	275	0	0	0	636
55°	179	0	0	0	0	201
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4
2.5°	473.1	469.7	470.2	468.5	470.2	462.7	454.6	447.0	441.2	433.1	383.8
5°	582.1	576.3	574.6	572.3	570.0	560.7	553.2	543.9	532.9	518.9	428.5
7.5°	637.2	632.6	630.3	631.4	626.2	622.7	612.9	602.4	590.8	575.8	462.1
10°	658.7	654.0	653.5	652.9	652.3	650.0	645.3	636.1	625.6	614.0	481.3
12.5°	714.9	704.5	697.5	689.4	679.6	666.8	656.4	648.2	644.2	634.9	490.0
15°	821.0	811.2	803.6	793.2	774.6	747.4	722.5	690.6	662.7	646.5	486.5
17.5°	874.4	869.7	863.4	856.4	843.6	823.9	798.4	764.8	729.4	683.6	469.7
20°	890.0	887.7	883.1	880.2	871.5	857.6	840.2	814.1	781.0	735.8	443.6
22.5°	883.7	885.4	887.7	895.3	896.4	886.6	870.3	845.4	811.8	770.0	403.6
25°	883.7	882.5	882.5	898.2	908.0	903.4	891.8	869.2	834.9	787.4	354.3
27.5°	906.3	899.3	884.8	901.0	917.3	915.5	905.1	878.4	840.2	788.0	294.0
30°	943.4	928.3	904.5	919.6	934.7	928.3	911.5	877.3	828.6	762.5	220.3
32.5°	984.5	977.6	965.4	975.3	972.9	947.4	917.3	869.7	804.8	711.4	148.4
35°	997.3	998.5	990.3	988.6	975.3	949.2	917.3	848.3	754.9	626.2	88.1
37.5°	1001.4	1001.9	989.2	972.9	953.2	922.5	884.2	804.2	662.7	543.9	47.0
40°	981.1	980.5	959.6	939.9	917.9	887.7	832.1	711.4	575.2	471.4	16.8
42.5°	950.9	943.4	923.7	899.3	872.6	834.9	748.0	600.7	499.8	377.5	1.2
45°	885.4	878.4	862.8	836.7	807.1	753.8	616.4	516.0	406.5	274.8	0.0
47.5°	673.2	669.7	685.9	689.4	688.8	628.0	514.3	421.0	298.6	160.0	0.0
50°	612.9	608.2	592.0	571.1	534.0	483.0	412.3	311.9	175.1	51.0	0.0
52.5°	440.1	455.2	458.6	443.0	408.2	357.8	284.1	179.7	60.9	0.0	0.0
55°	179.2	169.9	176.8	185.5	192.5	176.8	131.0	63.8	0.6	0.0	0.0
57.5°	0.0	0.6	3.5	8.1	13.3	16.8	18.0	1.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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):

	90°	112.5°	135°	157.5°	180°
0°	333.4	333.4	333.4	333.4	333.4
2.5°	334.6	283.0	233.1	205.8	192.5
5°	322.4	216.3	133.9	92.8	77.1
7.5°	302.1	148.4	53.3	22.0	15.7
10°	272.5	85.2	14.5	5.8	5.2
12.5°	230.2	38.8	5.2	4.1	4.1
15°	183.2	13.3	2.9	2.3	1.7
17.5°	128.7	3.5	1.2	0.0	0.0
20°	78.3	0.6	0.0	0.0	0.0
22.5°	43.5	0.0	0.0	0.0	0.0
25°	21.5	0.0	0.0	0.0	0.0
27.5°	9.3	0.0	0.0	0.0	0.0
30°	2.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.0	0.0	0.0
67.5°	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.0	0.0	0.0
77.5°	1.2	0.6	0.6	0.0	0.0
80°	1.2	0.6	0.6	0.0	0.0
82.5°	1.2	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.6	0.0	0.0
87.5°	1.2	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)