

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: P1320026

Luminaire Tested: LDSQA3D09R609840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320026
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: LDSQA3D09R609840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

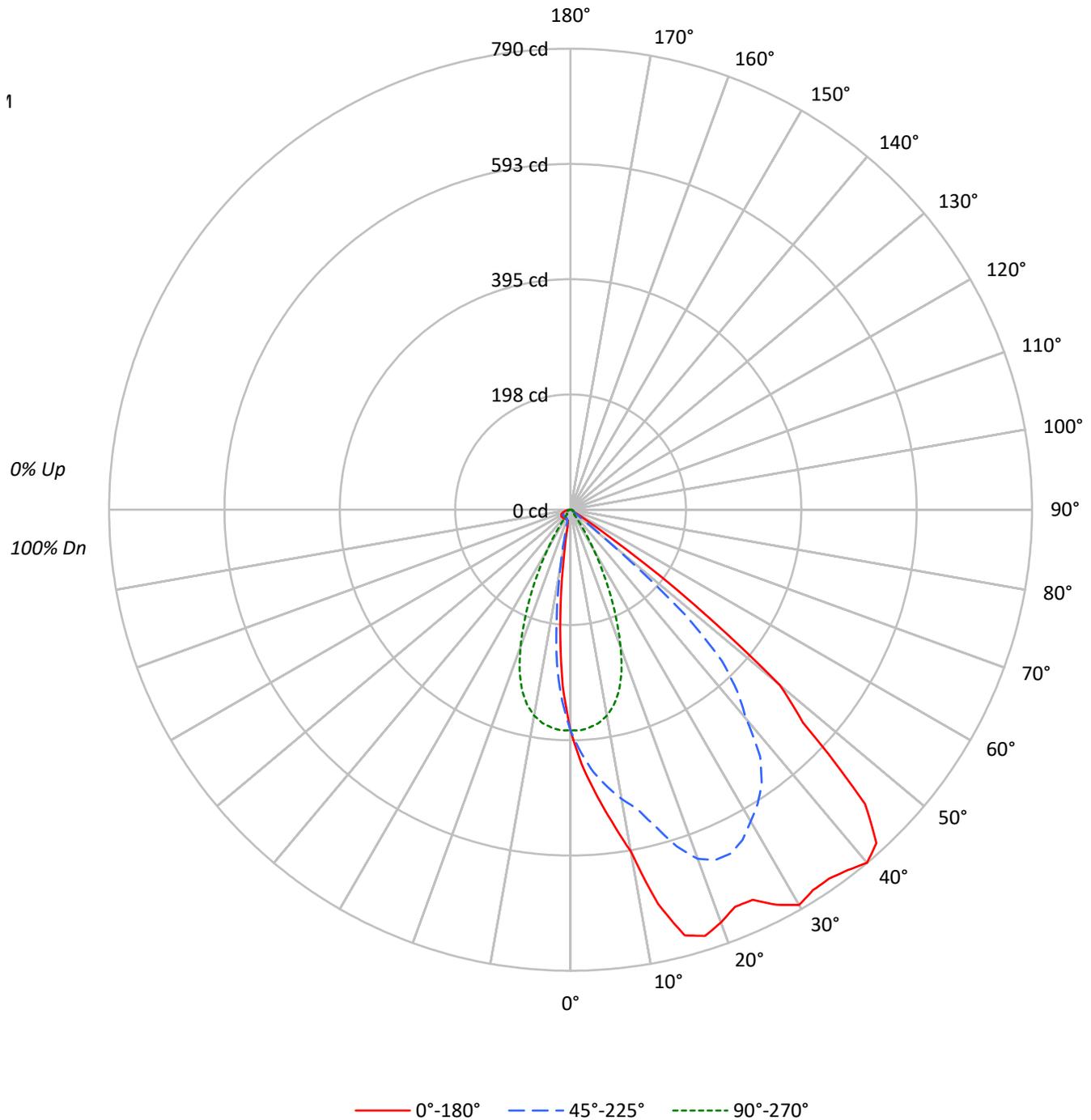
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 55.8 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): 11
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	80	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	41	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°	65100	65100	65100	65100	65100
5°	84089	78073	64744	46107	35181
10°	103913	87999	62642	17435	5176
15°	134579	100150	57162	3816	3405
20°	137896	116655	46002	3189	3299
25°	140126	123479	30841	3078	3306
30°	155513	122660	15909	3122	3460
35°	162225	119924	4394	3301	3784
40°	177496	105171	2091	3530	4182
45°	173658	89362	2119	3824	4652
50°	125177	22051	2331	4207	5117
55°	24021	1381	2432	4534	5735
60°	1206	1412	2411	4788	6200
65°	1182	1426	2364	4972	6602
70°	1158	1460	2316	4985	6697
75°	1131	1530	2329	4991	6920
80°	595	1686	2281	5157	6943
85°	1186	1186	2371	4545	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 173658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	5.4
10°-20°	90.7	14.8
20°-30°	139.7	22.7
30°-40°	163.9	26.7
40°-50°	131.4	21.4
50°-60°	40.8	6.6
60°-70°	7.7	1.3
70°-80°	5.1	0.8
80°-90°	1.8	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°	263.3	42.9
0°-40°	427.2	69.6
0°-60°	599.4	97.6
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	486	452	374	267	204	50
15°	755	562	321	21	19	207
25°	737	650	162	16	17	348
35°	772	570	21	16	18	488
45°	713	367	9	16	19	510
55°	80	5	8	15	19	127
65°	3	4	6	12	16	3
75°	2	2	4	8	10	2
85°	1	1	1	2	4	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°	378.0	378.0	378.0	378.0	378.0	378.0	378.0	378.0	378.0	378.0	378.0
2.5°	435.9	431.3	431.3	429.6	427.8	428.4	423.8	425.5	420.9	417.4	414.5
5°	486.4	480.6	480.0	477.1	474.2	471.9	466.1	462.6	455.6	451.6	442.9
7.5°	538.5	533.9	531.0	527.5	522.3	516.5	506.7	500.3	489.3	478.2	467.2
10°	594.2	590.1	583.8	579.7	565.2	555.9	542.6	533.9	517.7	503.2	486.4
12.5°	691.6	689.3	677.1	669.0	648.1	629.5	600.6	577.4	548.4	524.6	502.0
15°	754.8	751.9	745.5	737.9	724.6	703.7	677.7	645.2	604.6	561.7	523.5
17.5°	765.8	766.4	762.3	760.6	751.9	738.5	717.7	693.3	652.7	605.2	553.0
20°	752.4	757.1	755.9	759.4	761.1	755.9	742.0	718.2	682.9	636.5	578.0
22.5°	736.2	740.3	739.1	745.5	755.3	760.6	755.9	736.8	700.8	649.3	591.9
25°	737.4	740.3	731.6	735.6	748.4	761.1	761.7	744.9	706.1	649.8	590.7
27.5°	762.9	754.2	734.5	732.7	748.4	764.6	765.8	744.9	698.5	637.7	579.1
30°	782.0	775.6	753.6	750.7	765.8	776.8	771.0	738.5	680.6	616.8	562.3
32.5°	772.7	773.9	764.6	773.9	793.6	798.2	773.9	723.5	655.6	596.5	542.6
35°	771.6	776.2	781.4	795.9	809.3	798.2	759.4	695.1	629.0	570.4	511.9
37.5°	778.5	786.1	793.6	806.4	806.4	777.9	721.1	659.1	597.1	533.3	448.1
40°	789.5	794.2	796.5	795.3	779.7	737.9	677.7	615.6	556.5	467.8	405.8
42.5°	775.0	774.5	772.2	762.3	733.3	678.8	622.6	572.2	478.8	422.0	351.3
45°	713.0	713.0	706.6	691.0	664.3	619.1	569.3	495.6	436.5	366.9	260.9
47.5°	539.7	535.6	542.6	551.9	551.9	547.8	502.6	438.8	378.5	264.9	83.5
50°	467.2	460.9	452.2	453.9	452.7	457.4	428.4	380.3	280.0	82.3	5.8
52.5°	264.3	275.9	304.3	344.3	362.3	368.7	350.7	289.3	94.5	5.2	4.6
55°	80.0	82.3	93.3	114.8	155.9	199.4	202.3	93.9	6.4	4.6	4.6
57.5°	3.5	3.5	4.6	7.0	16.2	24.3	26.1	5.8	4.1	4.6	4.6
60°	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.1	4.1	4.1	4.6
62.5°	2.9	2.9	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.1	4.1
65°	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1
67.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9
72.5°	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7
80°	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	378.0	378.0	378.0	378.0	378.0	378.0	378.0	378.0
2.5°	410.4	405.8	400.6	378.5	357.1	328.1	308.4	302.6
5°	435.3	427.8	416.2	374.5	324.0	266.7	220.3	203.5
7.5°	456.2	444.6	428.4	368.7	284.6	180.9	116.5	98.5
10°	471.3	456.8	435.9	358.2	232.5	99.7	39.4	29.6
12.5°	484.0	464.9	440.0	342.6	169.3	40.6	20.3	20.3
15°	492.7	469.6	441.7	320.6	109.6	21.4	19.1	19.1
17.5°	504.9	474.8	441.7	289.8	59.7	18.6	18.6	18.6
20°	524.6	480.0	435.3	251.0	33.0	17.4	18.0	18.0
22.5°	535.1	487.5	427.2	205.8	20.9	16.8	17.4	17.4
25°	537.4	486.4	409.8	162.3	16.8	16.2	16.8	17.4
27.5°	529.3	478.2	386.7	118.3	15.1	15.7	16.8	17.4
30°	514.8	458.5	349.6	80.0	13.9	15.7	16.8	17.4
32.5°	487.5	411.0	306.1	48.1	13.3	15.7	16.8	18.0
35°	426.7	361.1	256.2	20.9	12.8	15.7	17.4	18.0
37.5°	382.6	311.3	198.3	10.4	12.8	15.7	17.4	18.6
40°	333.9	250.4	91.6	9.3	12.8	15.7	17.4	18.6
42.5°	254.5	115.9	11.0	9.3	12.2	15.7	18.0	18.6
45°	92.8	12.2	5.8	8.7	12.2	15.7	18.0	19.1
47.5°	7.0	4.6	5.2	8.7	12.2	15.7	18.0	19.1
50°	4.6	4.6	5.2	8.7	12.2	15.7	18.0	19.1
52.5°	4.6	5.2	5.2	8.1	11.6	15.7	18.0	19.1
55°	4.6	5.2	5.2	8.1	11.6	15.1	18.0	19.1
57.5°	4.6	4.6	5.2	7.5	11.0	14.5	18.0	18.6
60°	4.6	4.6	5.2	7.0	10.4	13.9	16.8	18.0
62.5°	4.6	4.6	4.6	6.4	9.9	13.3	16.2	17.4
65°	4.1	4.1	4.6	5.8	8.7	12.2	15.1	16.2
67.5°	3.5	4.1	4.1	5.2	8.1	11.0	13.9	15.1
70°	3.5	3.5	3.5	4.6	7.0	9.9	12.8	13.3
72.5°	2.9	2.9	3.5	4.1	6.4	8.7	11.6	12.2
75°	2.3	2.9	2.9	3.5	5.2	7.5	9.9	10.4
77.5°	2.3	2.3	2.3	2.9	4.6	6.4	8.1	8.7
80°	1.7	1.7	1.7	2.3	3.5	5.2	6.4	7.0
82.5°	1.2	1.7	1.7	1.7	2.9	3.5	4.6	5.2
85°	1.2	1.2	1.2	1.2	1.7	2.3	2.9	3.5
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)