

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: P1312309

Luminaire Tested: LDSQA3D05R609050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312309
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: LDSQA3D05R609050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

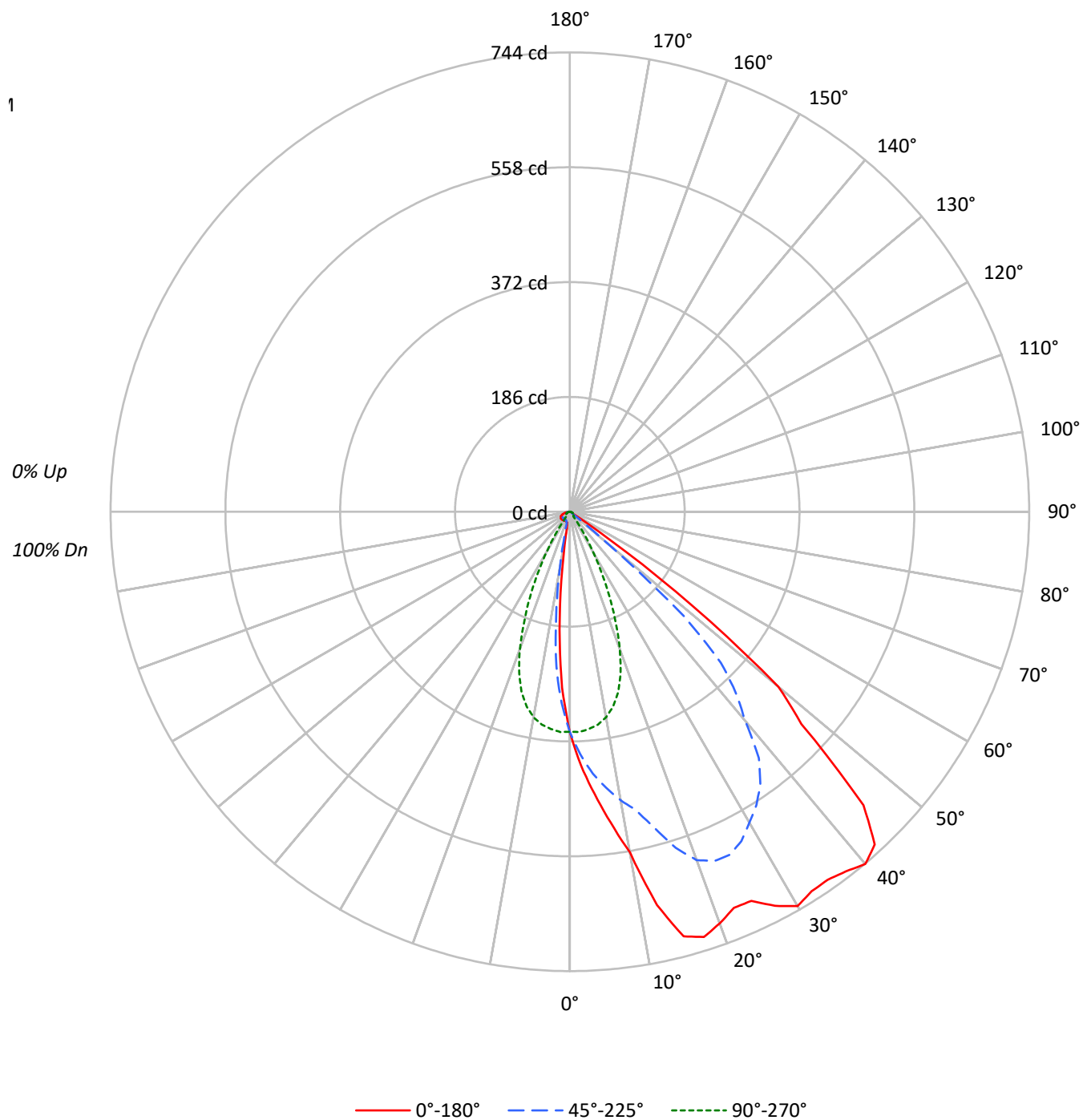
Lumens per Lamp: N/A
Luminaire Lumens: 579.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	61380	61380	61380	61380	61380
5°	79283	73613	61044	43479	33176
10°	97985	82980	59074	16439	4879
15°	126895	94444	53899	3602	3209
20°	130034	110002	43381	3006	3097
25°	132126	116448	29093	2907	3116
30°	146643	115660	14994	2943	3261
35°	152974	113091	4142	3112	3553
40°	167379	99168	1956	3327	3934
45°	163769	84272	1997	3605	4384
50°	118050	20791	2197	3965	4823
55°	22640	1321	2312	4264	5405
60°	1137	1309	2273	4512	5821
65°	1100	1345	2241	4686	6235
70°	1108	1360	2216	4683	6345
75°	1065	1464	2196	4724	6521
80°	496	1587	2182	4860	6546
85°	988	988	2174	4347	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 163769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	5.4
10°-20°	85.6	14.8
20°-30°	131.7	22.7
30°-40°	154.5	26.7
40°-50°	123.9	21.4
50°-60°	38.5	6.6
60°-70°	7.3	1.3
70°-80°	4.8	0.8
80°-90°	1.7	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°	248.3	42.9
0°-40°	402.8	69.6
0°-60°	565.2	97.6
0°-90°	579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	356	356	356	356	356	
5°	459	426	353	252	192	47
15°	712	530	302	20	18	195
25°	695	613	153	15	16	328
35°	728	538	20	15	17	460
45°	672	346	8	15	18	481
55°	75	4	8	14	18	119
65°	3	3	6	12	15	3
75°	2	2	3	7	10	1
85°	0	0	1	2	3	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°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	411.1	406.7	406.7	405.1	403.4	404.0	399.6	401.2	396.9	393.6	390.9
5°	458.6	453.2	452.6	449.9	447.2	445.0	439.5	436.2	429.7	425.8	417.6
7.5°	507.8	503.5	500.7	497.4	492.5	487.1	477.8	471.8	461.4	451.0	440.6
10°	560.3	556.5	550.5	546.6	533.0	524.2	511.7	503.5	488.2	474.5	458.6
12.5°	652.2	650.0	638.5	630.8	611.2	593.7	566.3	544.5	517.1	494.7	473.4
15°	711.7	709.0	703.0	695.9	683.3	663.6	639.0	608.4	570.2	529.7	493.6
17.5°	722.1	722.7	718.8	717.2	709.0	696.4	676.8	653.8	615.5	570.7	521.5
20°	709.5	713.9	712.8	716.1	717.7	712.8	699.7	677.3	644.0	600.2	545.0
22.5°	694.2	698.1	697.0	703.0	712.3	717.2	712.8	694.8	660.9	612.2	558.1
25°	695.3	698.1	689.9	693.7	705.7	717.7	718.3	702.4	665.8	612.8	557.0
27.5°	719.4	711.2	692.6	691.0	705.7	721.0	722.1	702.4	658.7	601.3	546.1
30°	737.4	731.4	710.6	707.9	722.1	732.5	727.0	696.4	641.8	581.6	530.2
32.5°	728.7	729.8	721.0	729.8	748.4	752.7	729.8	682.2	618.3	562.5	511.7
35°	727.6	732.0	736.9	750.5	763.1	752.7	716.1	655.4	593.1	537.9	482.7
37.5°	734.1	741.3	748.4	760.4	760.4	733.6	680.0	621.5	563.0	502.9	422.6
40°	744.5	748.9	751.1	750.0	735.2	695.9	639.0	580.5	524.8	441.1	382.7
42.5°	730.9	730.3	728.1	718.8	691.5	640.1	587.1	539.5	451.5	398.0	331.3
45°	672.4	672.4	666.4	651.6	626.5	583.8	536.8	467.4	411.6	346.0	246.0
47.5°	508.9	505.1	511.7	520.4	520.4	516.6	473.9	413.8	357.0	249.8	78.7
50°	440.6	434.6	426.4	428.0	426.9	431.3	404.0	358.6	264.0	77.6	5.5
52.5°	249.3	260.2	287.0	324.7	341.7	347.7	330.7	272.8	89.1	4.9	4.4
55°	75.4	77.6	88.0	108.2	147.0	188.0	190.8	88.6	6.0	4.4	4.4
57.5°	3.3	3.3	4.4	6.6	15.3	23.0	24.6	5.5	3.8	4.4	4.4
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8	3.8	4.4
62.5°	2.7	2.7	3.3	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8
65°	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3	3.3	3.8
67.5°	2.2	2.2	2.2	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7
72.5°	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2	2.7
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6
80°	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	356.4	356.4	356.4	356.4	356.4	356.4	356.4	356.4
2.5°	387.0	382.7	377.7	357.0	336.7	309.4	290.8	285.4
5°	410.5	403.4	392.5	353.1	305.6	251.5	207.7	191.9
7.5°	430.2	419.3	404.0	347.7	268.4	170.6	109.9	92.9
10°	444.4	430.8	411.1	337.8	219.2	94.0	37.2	27.9
12.5°	456.5	438.4	414.9	323.1	159.6	38.3	19.1	19.1
15°	464.7	442.8	416.5	302.3	103.3	20.2	18.0	18.0
17.5°	476.1	447.7	416.5	273.3	56.3	17.5	17.5	17.5
20°	494.7	452.6	410.5	236.7	31.2	16.4	16.9	16.9
22.5°	504.6	459.7	402.9	194.1	19.7	15.9	16.4	16.4
25°	506.7	458.6	386.5	153.1	15.9	15.3	15.9	16.4
27.5°	499.1	451.0	364.6	111.5	14.2	14.8	15.9	16.4
30°	485.4	432.4	329.6	75.4	13.1	14.8	15.9	16.4
32.5°	459.7	387.6	288.6	45.4	12.6	14.8	15.9	16.9
35°	402.3	340.6	241.6	19.7	12.0	14.8	16.4	16.9
37.5°	360.8	293.6	187.0	9.8	12.0	14.8	16.4	17.5
40°	314.9	236.2	86.4	8.7	12.0	14.8	16.4	17.5
42.5°	240.0	109.3	10.4	8.7	11.5	14.8	16.9	17.5
45°	87.5	11.5	5.5	8.2	11.5	14.8	16.9	18.0
47.5°	6.6	4.4	4.9	8.2	11.5	14.8	16.9	18.0
50°	4.4	4.4	4.9	8.2	11.5	14.8	16.9	18.0
52.5°	4.4	4.9	4.9	7.7	10.9	14.8	16.9	18.0
55°	4.4	4.9	4.9	7.7	10.9	14.2	16.9	18.0
57.5°	4.4	4.4	4.9	7.1	10.4	13.7	16.9	17.5
60°	4.4	4.4	4.9	6.6	9.8	13.1	15.9	16.9
62.5°	4.4	4.4	4.4	6.0	9.3	12.6	15.3	16.4
65°	3.8	3.8	4.4	5.5	8.2	11.5	14.2	15.3
67.5°	3.3	3.8	3.8	4.9	7.7	10.4	13.1	14.2
70°	3.3	3.3	3.3	4.4	6.6	9.3	12.0	12.6
72.5°	2.7	2.7	3.3	3.8	6.0	8.2	10.9	11.5
75°	2.2	2.7	2.7	3.3	4.9	7.1	9.3	9.8
77.5°	2.2	2.2	2.2	2.7	4.4	6.0	7.7	8.2
80°	1.6	1.6	1.6	2.2	3.3	4.9	6.0	6.6
82.5°	1.1	1.6	1.6	1.6	2.7	3.3	4.4	4.9
85°	1.1	1.1	1.1	1.1	1.6	2.2	2.7	3.3
87.5°	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)