

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: P1308992

Luminaire Tested: LDSQA3D05R659030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308992
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: LDSQA3D05R659030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

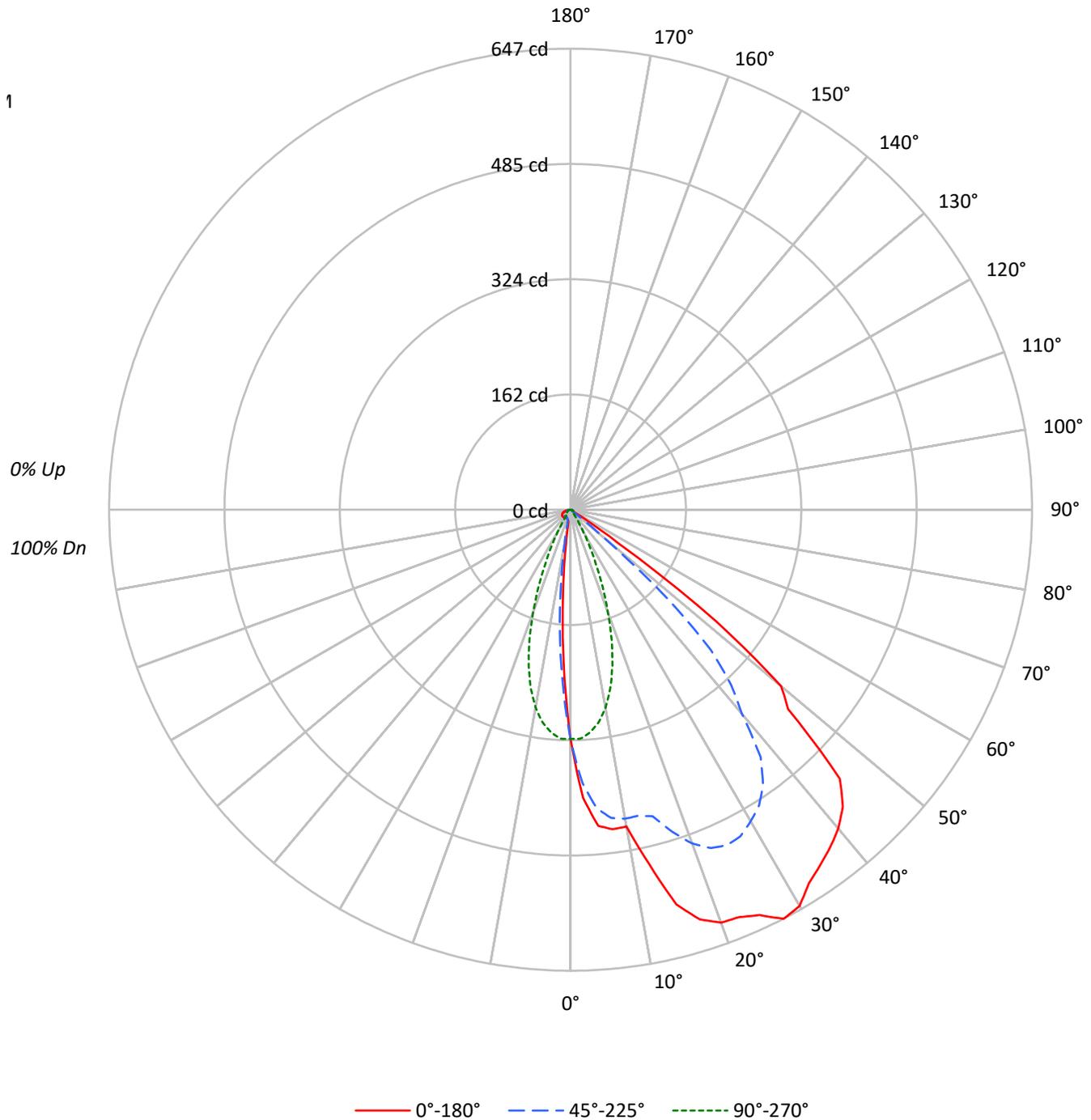
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 481.9 lumens
Efficiency: N/A
Efficacy: 66.9 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): 7.2
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	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°	55387	55387	55387	55387	55387
5°	76984	72662	54215	29787	20953
10°	78923	76999	49316	8324	3060
15°	102254	79396	40367	2674	2585
20°	113008	91345	28096	2383	2474
25°	119261	98700	15886	2280	2470
30°	127692	100407	7179	2287	2585
35°	128165	98878	2313	2418	2838
40°	131295	84015	1574	2585	3147
45°	130061	67710	1583	2801	3410
50°	103207	15969	1608	3081	3885
55°	24501	901	1651	3453	4354
60°	861	1033	1894	3617	4650
65°	1019	1019	1834	3871	5094
70°	755	1007	1762	3777	5287
75°	665	998	1664	3993	5323
80°	496	992	1984	3967	5455
85°	988	1976	1976	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 130304 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	5.6
10°-20°	70.7	14.7
20°-30°	111.0	23.0
30°-40°	127.0	26.4
40°-50°	102.1	21.2
50°-60°	33.2	6.9
60°-70°	5.9	1.2
70°-80°	3.9	0.8
80°-90°	1.4	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°	208.5	43.3
0°-40°	335.5	69.6
0°-60°	470.8	97.7
0°-90°	481.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	322	322	322	322	322	
5°	445	420	314	172	121	42
15°	574	445	226	15	14	160
25°	628	519	84	12	13	292
35°	610	470	11	12	14	383
45°	534	278	6	12	14	384
55°	82	3	6	12	14	117
65°	2	2	4	10	12	2
75°	1	2	2	6	8	1
85°	0	1	1	2	2	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°	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6
2.5°	404.7	403.2	405.2	401.7	401.2	397.7	395.7	394.7	390.2	384.2	378.7
5°	445.3	439.3	440.8	440.3	437.8	436.3	434.3	431.8	425.8	420.3	413.2
7.5°	452.3	447.3	448.3	448.8	447.3	446.8	446.3	445.3	441.3	436.3	430.3
10°	451.3	446.3	445.8	444.3	442.8	443.3	443.3	443.3	442.3	440.3	438.3
12.5°	509.4	502.4	500.9	490.4	480.9	464.3	453.8	443.8	439.3	439.8	438.3
15°	573.5	573.0	568.0	558.0	542.0	526.9	502.9	484.9	461.8	445.3	438.3
17.5°	602.6	602.1	597.6	589.1	577.5	563.5	546.0	524.9	499.4	473.8	452.8
20°	616.6	620.1	615.1	608.1	597.1	584.0	567.5	548.5	524.4	498.4	473.3
22.5°	618.6	623.1	618.6	613.6	605.6	597.1	583.0	563.5	539.0	513.9	489.4
25°	627.6	629.1	619.6	613.1	605.6	599.6	588.6	571.5	546.5	519.4	495.4
27.5°	647.2	640.6	620.6	611.6	604.6	599.1	588.6	571.0	544.0	516.4	491.4
30°	642.1	639.6	622.1	613.6	607.6	602.1	589.1	566.5	534.0	504.9	478.9
32.5°	621.6	626.6	620.6	617.6	614.6	607.6	588.6	558.0	521.4	491.9	456.8
35°	609.6	615.6	616.1	616.1	612.6	602.1	579.5	545.5	508.9	470.3	423.3
37.5°	597.6	602.6	605.6	607.6	602.6	587.6	559.0	528.4	488.4	437.8	355.1
40°	584.0	587.6	590.1	591.1	583.5	564.0	538.0	503.4	458.3	373.7	317.1
42.5°	565.0	567.0	566.5	566.0	558.0	536.5	511.9	475.9	386.7	333.1	264.5
45°	534.0	532.0	535.0	535.0	524.4	508.4	475.9	405.7	346.1	278.0	170.3
47.5°	413.7	415.2	429.8	453.3	467.8	463.3	419.2	355.1	291.0	182.3	56.6
50°	385.2	383.7	384.2	386.7	388.2	375.7	344.1	300.0	192.3	59.6	4.0
52.5°	258.5	260.0	271.5	298.0	306.5	297.5	267.5	200.4	70.1	4.0	3.5
55°	81.6	87.2	93.7	107.7	132.2	147.8	144.8	71.1	4.5	3.0	3.5
57.5°	3.0	3.0	4.0	7.0	13.5	22.0	23.0	4.5	3.5	3.5	3.5
60°	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0
62.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
70°	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
75°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
80°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
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°	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6
2.5°	375.7	369.7	357.6	321.6	284.0	246.4	222.9	216.9
5°	405.2	398.2	381.2	313.6	237.4	172.3	135.2	121.2
7.5°	423.3	414.7	394.7	301.0	184.8	100.2	60.1	48.1
10°	431.3	423.8	401.2	282.0	133.7	47.6	21.0	17.5
12.5°	434.8	428.8	403.7	257.0	87.2	21.0	15.5	15.0
15°	436.3	429.8	402.7	226.4	49.6	15.0	14.5	14.5
17.5°	437.8	430.3	396.7	191.3	27.5	14.0	13.5	14.0
20°	449.8	428.3	386.2	153.3	18.0	13.0	13.0	13.5
22.5°	461.8	427.8	367.7	117.2	14.0	12.5	13.0	13.0
25°	465.8	422.8	344.1	83.6	12.0	12.0	12.5	13.0
27.5°	458.3	408.2	312.6	56.6	10.5	12.0	12.5	13.0
30°	440.8	383.7	274.5	36.1	10.0	11.5	12.5	13.0
32.5°	408.2	335.1	231.9	21.5	9.5	11.5	13.0	13.0
35°	343.1	281.0	183.8	11.0	9.5	11.5	13.0	13.5
37.5°	300.0	234.4	128.2	7.5	9.5	11.5	13.0	13.5
40°	248.9	169.3	53.6	7.0	9.5	11.5	13.0	14.0
42.5°	172.3	73.6	8.5	6.5	9.0	11.5	13.5	14.0
45°	62.1	9.5	4.0	6.5	9.0	11.5	13.5	14.0
47.5°	5.5	3.5	4.0	6.5	9.0	11.5	13.5	14.5
50°	3.5	3.5	3.5	6.0	9.0	11.5	13.5	14.5
52.5°	3.5	3.5	3.5	6.0	8.5	11.5	14.0	14.5
55°	3.5	3.5	3.5	5.5	8.5	11.5	13.5	14.5
57.5°	3.5	3.5	4.0	5.5	8.5	11.0	13.5	14.0
60°	3.5	3.5	3.5	5.5	8.0	10.5	13.0	13.5
62.5°	3.0	3.5	3.5	5.0	7.5	10.0	12.5	13.0
65°	3.0	3.0	3.5	4.5	7.0	9.5	11.5	12.5
67.5°	2.5	3.0	3.0	4.0	6.0	8.5	10.5	11.5
70°	2.5	2.5	2.5	3.5	5.5	7.5	10.0	10.5
72.5°	2.0	2.5	2.5	3.0	4.5	6.5	8.5	9.5
75°	2.0	2.0	2.0	2.5	4.0	6.0	7.5	8.0
77.5°	1.5	1.5	2.0	2.0	3.5	4.5	6.5	7.0
80°	1.5	1.5	1.5	2.0	2.5	4.0	5.0	5.5
82.5°	1.0	1.0	1.0	1.5	2.0	2.5	3.5	4.0
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	2.5
87.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)