

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: P1316339

Luminaire Tested: LDSQA3D05R659740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316339  
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: LDSQA3D05R659740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

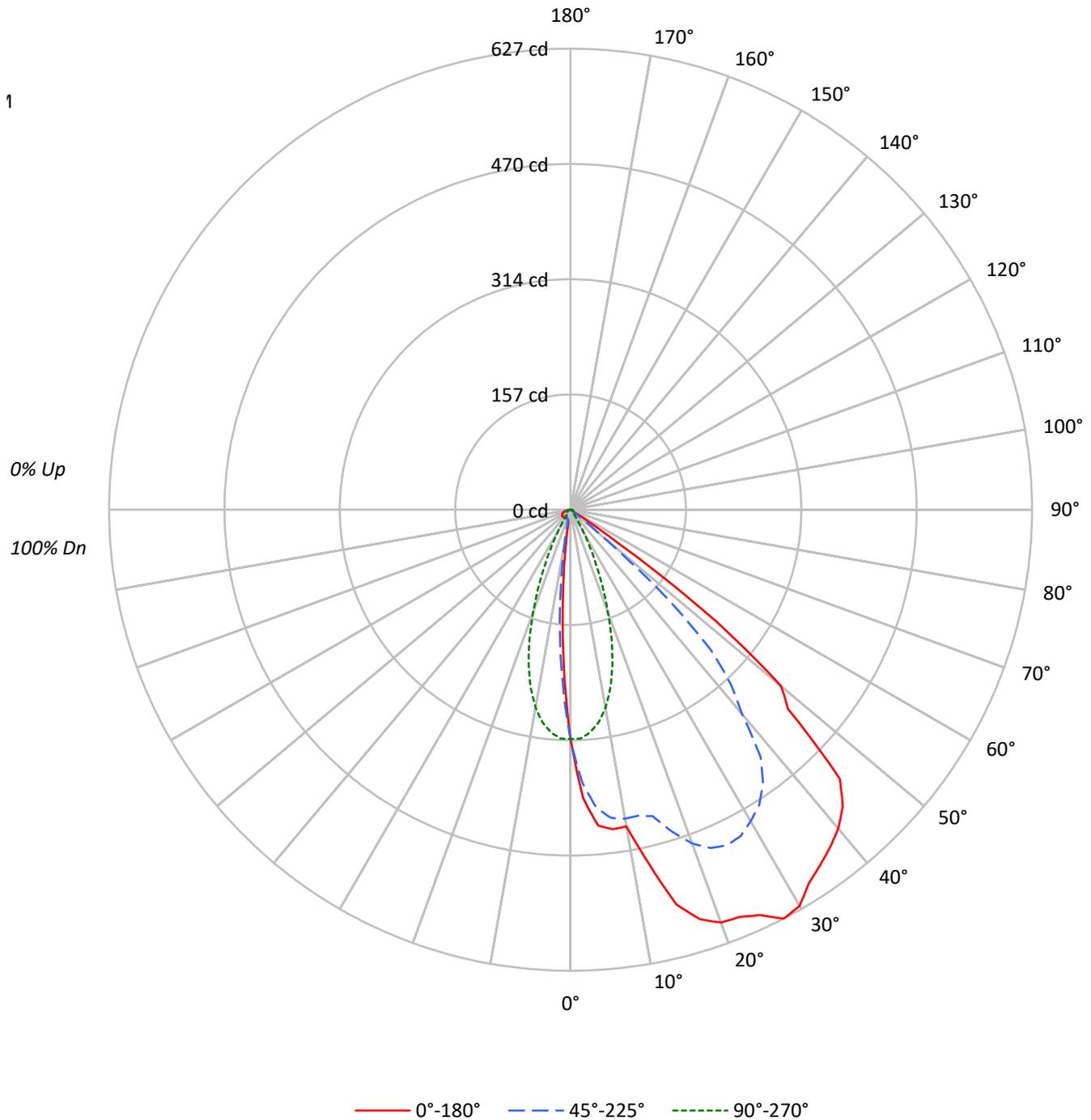
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 467.0 lumens  
Efficiency: N/A  
Efficacy: 64.9 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<sub>in</sub>): 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	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°	53665	53665	53665	53665	53665
5°	74581	70397	52521	28854	20296
10°	76475	74604	47777	8062	2973
15°	99080	76918	39119	2603	2514
20°	109489	88504	27216	2309	2401
25°	115555	95640	15392	2204	2394
30°	123734	97285	6940	2227	2506
35°	124171	95809	2250	2355	2754
40°	127226	81385	1529	2518	3058
45°	125993	65591	1534	2728	3312
50°	99992	15486	1554	3001	3778
55°	23751	871	1591	3363	4234
60°	827	999	1826	3513	4512
65°	978	978	1793	3749	4931
70°	755	957	1712	3676	5136
75°	665	998	1597	3859	5190
80°	496	992	1884	3868	5256
85°	988	1976	1976	3754	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 126237 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.0	5.6
10°-20°	68.5	14.7
20°-30°	107.6	23.0
30°-40°	123.0	26.3
40°-50°	98.9	21.2
50°-60°	32.2	6.9
60°-70°	5.7	1.2
70°-80°	3.8	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°	202.0	43.3
0°-40°	325.1	69.6
0°-60°	456.2	97.7
0°-90°	467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	312	312	312	312	312	
5°	431	407	304	167	117	41
15°	556	431	219	15	14	155
25°	608	503	81	12	13	283
35°	591	456	11	11	13	371
45°	517	269	6	11	14	372
55°	79	3	5	11	14	113
65°	2	2	4	9	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°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6
2.5°	392.1	390.7	392.6	389.2	388.7	385.3	383.4	382.4	378.1	372.2	366.9
5°	431.4	425.6	427.1	426.6	424.2	422.7	420.8	418.3	412.5	407.2	400.4
7.5°	438.2	433.4	434.4	434.8	433.4	432.9	432.4	431.4	427.6	422.7	416.9
10°	437.3	432.4	431.9	430.5	429.0	429.5	429.5	429.5	428.5	426.6	424.6
12.5°	493.6	486.8	485.3	475.1	465.9	449.9	439.7	430.0	425.6	426.1	424.6
15°	555.7	555.2	550.3	540.6	525.1	510.5	487.2	469.8	447.5	431.4	424.6
17.5°	583.8	583.3	579.0	570.7	559.6	546.0	529.0	508.6	483.9	459.1	438.7
20°	597.4	600.8	596.0	589.2	578.5	565.9	549.9	531.4	508.1	482.9	458.6
22.5°	599.4	603.7	599.4	594.5	586.7	578.5	564.9	546.0	522.2	497.9	474.1
25°	608.1	609.5	600.3	594.0	586.7	580.9	570.2	553.7	529.5	503.3	480.0
27.5°	627.0	620.7	601.3	592.6	585.8	580.4	570.2	553.3	527.0	500.4	476.1
30°	622.2	619.7	602.8	594.5	588.7	583.3	570.7	548.9	517.3	489.2	464.0
32.5°	602.3	607.1	601.3	598.4	595.5	588.7	570.2	540.6	505.2	476.6	442.6
35°	590.6	596.4	596.9	596.9	593.5	583.3	561.5	528.5	493.1	455.7	410.1
37.5°	579.0	583.8	586.7	588.7	583.8	569.3	541.6	512.0	473.2	424.2	344.1
40°	565.9	569.3	571.7	572.7	565.4	546.5	521.2	487.7	444.1	362.0	307.2
42.5°	547.4	549.4	548.9	548.4	540.6	519.8	496.0	461.0	374.7	322.7	256.2
45°	517.3	515.4	518.3	518.3	508.1	492.6	461.0	393.1	335.3	269.3	165.0
47.5°	400.9	402.3	416.4	439.2	453.3	448.9	406.2	344.1	282.0	176.7	54.8
50°	373.2	371.7	372.2	374.7	376.1	364.0	333.4	290.7	186.4	57.8	3.9
52.5°	250.4	251.9	263.0	288.8	297.0	288.3	259.2	194.1	67.9	3.9	3.4
55°	79.1	84.4	90.8	104.3	128.1	143.2	140.3	68.9	4.4	2.9	3.4
57.5°	2.9	2.9	3.9	6.8	13.1	21.4	22.3	4.4	3.4	3.4	3.4
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9	2.9
62.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.9
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4
70°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9
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°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6
2.5°	364.0	358.2	346.5	311.6	275.2	238.8	216.0	210.1
5°	392.6	385.8	369.3	303.8	230.0	166.9	131.0	117.4
7.5°	410.1	401.8	382.4	291.7	179.1	97.1	58.2	46.6
10°	417.9	410.6	388.7	273.2	129.6	46.1	20.4	17.0
12.5°	421.2	415.4	391.2	249.0	84.4	20.4	15.0	14.6
15°	422.7	416.4	390.2	219.4	48.0	14.6	14.1	14.1
17.5°	424.2	416.9	384.4	185.4	26.7	13.6	13.1	13.6
20°	435.8	414.9	374.2	148.5	17.5	12.6	12.6	13.1
22.5°	447.5	414.5	356.2	113.6	13.6	12.1	12.6	12.6
25°	451.3	409.6	333.4	81.0	11.6	11.6	12.1	12.6
27.5°	444.1	395.5	302.8	54.8	10.2	11.6	12.1	12.6
30°	427.1	371.7	265.9	34.9	9.7	11.2	12.1	12.6
32.5°	395.5	324.7	224.7	20.9	9.2	11.2	12.6	12.6
35°	332.4	272.3	178.1	10.7	9.2	11.2	12.6	13.1
37.5°	290.7	227.1	124.2	7.3	9.2	11.2	12.6	13.1
40°	241.2	164.0	51.9	6.8	9.2	11.2	12.6	13.6
42.5°	166.9	71.3	8.3	6.3	8.7	11.2	13.1	13.6
45°	60.2	9.2	3.9	6.3	8.7	11.2	13.1	13.6
47.5°	5.3	3.4	3.9	6.3	8.7	11.2	13.1	14.1
50°	3.4	3.4	3.4	5.8	8.7	11.2	13.1	14.1
52.5°	3.4	3.4	3.4	5.8	8.3	11.2	13.6	14.1
55°	3.4	3.4	3.4	5.3	8.3	11.2	13.1	14.1
57.5°	3.4	3.4	3.9	5.3	8.3	10.7	13.1	13.6
60°	3.4	3.4	3.4	5.3	7.8	10.2	12.6	13.1
62.5°	2.9	3.4	3.4	4.9	7.3	9.7	12.1	12.6
65°	2.9	2.9	3.4	4.4	6.8	9.2	11.2	12.1
67.5°	2.4	2.9	2.9	3.9	5.8	8.3	10.2	11.2
70°	2.4	2.4	2.4	3.4	5.3	7.3	9.7	10.2
72.5°	1.9	2.4	2.4	2.9	4.4	6.3	8.3	9.2
75°	1.9	1.9	1.9	2.4	3.9	5.8	7.3	7.8
77.5°	1.5	1.5	1.9	1.9	3.4	4.4	6.3	6.8
80°	1.5	1.5	1.5	1.9	2.4	3.9	4.9	5.3
82.5°	1.0	1.0	1.0	1.5	1.9	2.4	3.4	3.9
85°	1.0	1.0	1.0	1.0	1.5	1.9	2.4	2.4
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)