

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: P1325499

Luminaire Tested: LDSQA3D05R60W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325499
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: LDSQA3D05R60W2N902765DE010 3LSQCA30R 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

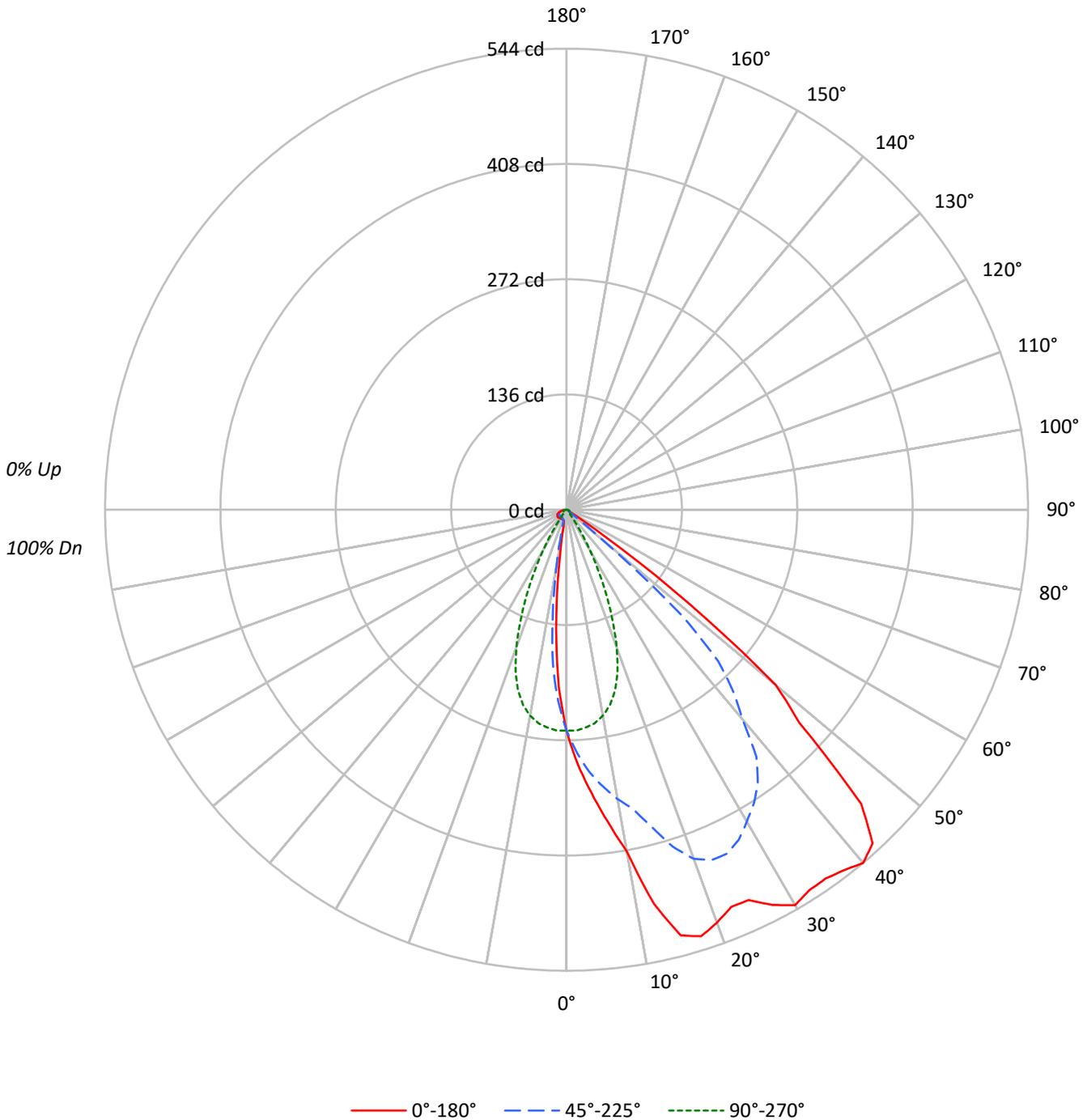
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 423.0 lumens
Efficiency: N/A
Efficacy: 71.7 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): 5.9
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	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°	44847	44847	44847	44847	44847
5°	57932	53783	44603	31758	24238
10°	71578	60613	43160	12014	3568
15°	92715	69001	39368	2639	2354
20°	95010	80366	31688	2199	2273
25°	96534	85075	21245	2128	2280
30°	107129	84498	10957	2148	2386
35°	111766	82626	3028	2271	2607
40°	122280	72460	1439	2428	2878
45°	119636	61572	1461	2630	3215
50°	86247	15192	1608	2894	3537
55°	16544	961	1681	3123	3963
60°	827	964	1653	3307	4271
65°	815	978	1630	3423	4564
70°	806	1007	1611	3424	4633
75°	799	1065	1597	3460	4791
80°	397	1190	1587	3570	4761
85°	790	790	1581	3162	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 119636 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	5.4
10°-20°	62.5	14.8
20°-30°	96.2	22.7
30°-40°	112.9	26.7
40°-50°	90.5	21.4
50°-60°	28.1	6.6
60°-70°	5.3	1.3
70°-80°	3.5	0.8
80°-90°	1.2	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°	181.4	42.9
0°-40°	294.3	69.6
0°-60°	413.0	97.6
0°-90°	423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	423.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	260	260	260	260	260	
5°	335	311	258	184	140	34
15°	520	387	221	15	13	142
25°	508	448	112	11	12	240
35°	532	393	14	11	12	336
45°	491	253	6	11	13	352
55°	55	3	6	10	13	87
65°	2	2	4	8	11	2
75°	1	2	2	5	7	1
85°	0	0	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°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
2.5°	300.3	297.1	297.1	295.9	294.7	295.1	291.9	293.1	289.9	287.5	285.5
5°	335.1	331.1	330.7	328.7	326.7	325.1	321.1	318.7	313.9	311.1	305.1
7.5°	371.0	367.8	365.8	363.4	359.8	355.8	349.0	344.7	337.1	329.5	321.9
10°	409.3	406.6	402.2	399.4	389.4	383.0	373.8	367.8	356.6	346.6	335.1
12.5°	476.4	474.8	466.5	460.9	446.5	433.7	413.7	397.8	377.8	361.4	345.8
15°	520.0	518.0	513.6	508.4	499.2	484.8	466.9	444.5	416.5	387.0	360.6
17.5°	527.6	528.0	525.2	524.0	518.0	508.8	494.4	477.6	449.7	416.9	381.0
20°	518.4	521.6	520.8	523.2	524.4	520.8	511.2	494.8	470.5	438.5	398.2
22.5°	507.2	510.0	509.2	513.6	520.4	524.0	520.8	507.6	482.8	447.3	407.8
25°	508.0	510.0	504.0	506.8	515.6	524.4	524.8	513.2	486.4	447.7	407.0
27.5°	525.6	519.6	506.0	504.8	515.6	526.8	527.6	513.2	481.2	439.3	399.0
30°	538.7	534.3	519.2	517.2	527.6	535.1	531.2	508.8	468.9	424.9	387.4
32.5°	532.4	533.2	526.8	533.2	546.7	549.9	533.2	498.4	451.7	410.9	373.8
35°	531.6	534.7	538.3	548.3	557.5	549.9	523.2	478.8	433.3	393.0	352.6
37.5°	536.3	541.5	546.7	555.5	555.5	535.9	496.8	454.1	411.3	367.4	308.7
40°	543.9	547.1	548.7	547.9	537.1	508.4	466.9	424.1	383.4	322.3	279.6
42.5°	534.0	533.6	532.0	525.2	505.2	467.7	428.9	394.2	329.9	290.7	242.0
45°	491.2	491.2	486.8	476.0	457.7	426.5	392.2	341.5	300.7	252.8	179.7
47.5°	371.8	369.0	373.8	380.2	380.2	377.4	346.2	302.3	260.8	182.5	57.5
50°	321.9	317.5	311.5	312.7	311.9	315.1	295.1	262.0	192.9	56.7	4.0
52.5°	182.1	190.1	209.7	237.2	249.6	254.0	241.6	199.3	65.1	3.6	3.2
55°	55.1	56.7	64.3	79.1	107.4	137.4	139.4	64.7	4.4	3.2	3.2
57.5°	2.4	2.4	3.2	4.8	11.2	16.8	18.0	4.0	2.8	3.2	3.2
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8	2.8	3.2
62.5°	2.0	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.8
67.5°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	2.0
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
2.5°	282.8	279.6	276.0	260.8	246.0	226.0	212.5	208.5
5°	299.9	294.7	286.7	258.0	223.2	183.7	151.8	140.2
7.5°	314.3	306.3	295.1	254.0	196.1	124.6	80.3	67.9
10°	324.7	314.7	300.3	246.8	160.1	68.7	27.2	20.4
12.5°	333.5	320.3	303.1	236.0	116.6	28.0	14.0	14.0
15°	339.5	323.5	304.3	220.8	75.5	14.8	13.2	13.2
17.5°	347.8	327.1	304.3	199.7	41.1	12.8	12.8	12.8
20°	361.4	330.7	299.9	172.9	22.8	12.0	12.4	12.4
22.5°	368.6	335.9	294.3	141.8	14.4	11.6	12.0	12.0
25°	370.2	335.1	282.4	111.8	11.6	11.2	11.6	12.0
27.5°	364.6	329.5	266.4	81.5	10.4	10.8	11.6	12.0
30°	354.6	315.9	240.8	55.1	9.6	10.8	11.6	12.0
32.5°	335.9	283.1	210.9	33.1	9.2	10.8	11.6	12.4
35°	293.9	248.8	176.5	14.4	8.8	10.8	12.0	12.4
37.5°	263.6	214.5	136.6	7.2	8.8	10.8	12.0	12.8
40°	230.0	172.5	63.1	6.4	8.8	10.8	12.0	12.8
42.5°	175.3	79.9	7.6	6.4	8.4	10.8	12.4	12.8
45°	63.9	8.4	4.0	6.0	8.4	10.8	12.4	13.2
47.5°	4.8	3.2	3.6	6.0	8.4	10.8	12.4	13.2
50°	3.2	3.2	3.6	6.0	8.4	10.8	12.4	13.2
52.5°	3.2	3.6	3.6	5.6	8.0	10.8	12.4	13.2
55°	3.2	3.6	3.6	5.6	8.0	10.4	12.4	13.2
57.5°	3.2	3.2	3.6	5.2	7.6	10.0	12.4	12.8
60°	3.2	3.2	3.6	4.8	7.2	9.6	11.6	12.4
62.5°	3.2	3.2	3.2	4.4	6.8	9.2	11.2	12.0
65°	2.8	2.8	3.2	4.0	6.0	8.4	10.4	11.2
67.5°	2.4	2.8	2.8	3.6	5.6	7.6	9.6	10.4
70°	2.4	2.4	2.4	3.2	4.8	6.8	8.8	9.2
72.5°	2.0	2.0	2.4	2.8	4.4	6.0	8.0	8.4
75°	1.6	2.0	2.0	2.4	3.6	5.2	6.8	7.2
77.5°	1.6	1.6	1.6	2.0	3.2	4.4	5.6	6.0
80°	1.2	1.2	1.2	1.6	2.4	3.6	4.4	4.8
82.5°	0.8	1.2	1.2	1.2	2.0	2.4	3.2	3.6
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.4
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)