

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: P1324766

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

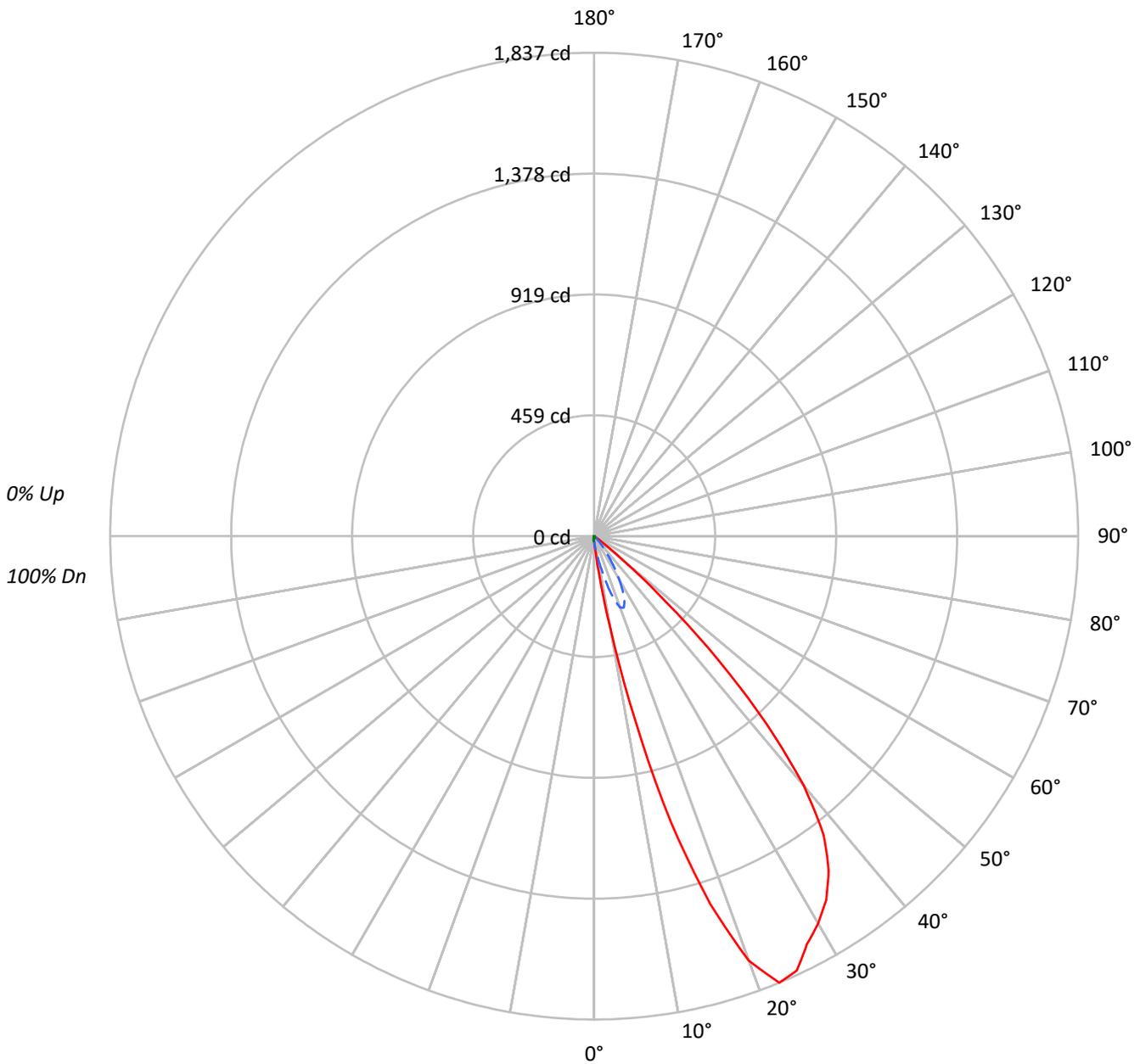
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 433.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3548	3548	3548	3548	3548
5°	10667	7105	3354	1504	1227
10°	61785	15092	2623	700	490
15°	200978	34215	1836	143	71
20°	314501	52930	1155	0	0
25°	346001	51725	608	0	0
30°	337952	37287	239	0	0
35°	326174	21214	84	0	0
40°	278148	8993	0	0	0
45°	163258	3361	97	0	97
50°	39654	643	107	107	322
55°	3453	0	240	360	480
60°	138	0	276	413	689
65°	163	163	489	489	815
70°	201	201	604	604	806
75°	0	266	799	799	799
80°	0	397	1190	793	793
85°	0	790	2371	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 163258 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.9
10°-20°	59.5	13.7
20°-30°	151.2	34.9
30°-40°	150.7	34.8
40°-50°	61.1	14.1
50°-60°	4.2	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
80°-90°	0.6	0.1
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°	214.5	49.5
0°-40°	365.3	84.3
0°-60°	430.6	99.4
0°-90°	433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	62	41	19	9	7	14
15°	1127	192	10	1	0	328
25°	1821	272	3	0	0	822
35°	1551	101	0	0	0	951
45°	670	14	0	0	0	511
55°	12	0	1	1	2	30
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	34.0	34.4	34.4	33.6	33.2	33.2	32.0	31.7	30.5	29.3	25.3
5°	61.7	60.5	59.0	59.0	55.4	53.4	50.6	47.5	45.1	41.1	29.3
7.5°	140.1	130.6	127.8	124.2	110.8	100.1	87.8	77.2	67.3	59.0	32.4
10°	353.3	334.7	319.3	288.0	248.9	211.3	176.5	136.1	108.4	86.3	34.8
12.5°	711.8	686.9	657.2	600.2	527.0	433.3	350.2	261.5	183.6	127.0	35.6
15°	1127.2	1084.9	1038.6	966.2	846.3	711.8	561.8	420.6	294.8	191.9	34.8
17.5°	1465.9	1449.3	1380.9	1281.9	1135.2	961.9	777.1	584.0	397.6	251.2	32.4
20°	1716.0	1704.5	1621.8	1516.6	1351.2	1152.6	917.9	686.1	469.3	288.8	28.9
22.5°	1836.7	1834.7	1774.9	1667.3	1492.0	1266.9	1008.5	745.0	491.4	294.0	24.1
25°	1820.8	1828.0	1793.9	1714.0	1545.9	1314.0	1035.4	745.0	475.2	272.2	20.2
27.5°	1748.8	1753.6	1732.2	1670.9	1514.2	1280.0	997.9	697.2	428.1	233.8	16.6
30°	1699.4	1701.4	1674.8	1609.2	1443.0	1202.4	909.2	608.5	356.9	187.5	12.3
32.5°	1639.2	1638.8	1608.0	1532.8	1349.6	1093.6	796.9	502.9	274.2	142.4	7.1
35°	1551.4	1541.5	1499.6	1412.9	1210.3	947.2	653.2	383.0	197.4	100.9	4.4
37.5°	1430.7	1405.0	1345.6	1229.7	1014.9	742.7	484.3	269.1	134.9	66.9	2.8
40°	1237.2	1209.9	1129.2	988.4	767.6	534.5	326.4	175.3	85.1	40.0	1.6
42.5°	970.2	951.6	842.8	702.3	506.8	341.1	196.2	103.7	47.9	22.9	0.4
45°	670.3	646.1	560.7	441.6	304.3	189.1	110.0	54.2	27.3	13.8	0.0
47.5°	369.9	340.3	290.8	228.7	153.1	99.3	55.4	29.3	15.4	6.7	0.0
50°	148.0	146.8	116.7	83.1	58.6	45.1	27.7	15.8	7.9	2.4	0.4
52.5°	51.8	51.8	44.7	36.4	28.5	20.6	13.8	7.5	2.8	0.8	0.4
55°	11.5	12.7	11.9	11.1	10.7	9.1	5.9	2.8	0.8	0.0	0.4
57.5°	1.2	1.2	1.2	1.6	2.0	2.0	1.6	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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):

	90°	112.5°	135°	157.5°	180°
0°	20.6	20.6	20.6	20.6	20.6
2.5°	20.6	16.2	13.5	11.9	11.5
5°	19.4	12.3	8.7	7.5	7.1
7.5°	17.4	9.1	5.9	4.7	4.4
10°	15.0	6.7	4.0	2.8	2.8
12.5°	12.7	5.1	2.4	1.2	0.8
15°	10.3	3.2	0.8	0.4	0.4
17.5°	7.9	2.0	0.0	0.0	0.0
20°	6.3	0.8	0.0	0.0	0.0
22.5°	4.7	0.4	0.0	0.0	0.0
25°	3.2	0.0	0.0	0.0	0.0
27.5°	2.0	0.0	0.0	0.0	0.0
30°	1.2	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.2
52.5°	0.8	0.4	0.8	1.2	1.2
55°	0.8	0.8	1.2	1.6	1.6
57.5°	0.8	0.8	1.2	1.6	1.6
60°	0.8	0.8	1.2	1.6	2.0
62.5°	1.2	1.2	1.2	1.6	1.6
65°	1.2	1.2	1.2	1.6	2.0
67.5°	1.2	1.2	1.2	1.6	2.0
70°	1.2	1.2	1.2	1.6	1.6
72.5°	1.6	1.2	1.2	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	0.8	1.2	1.2
80°	1.2	0.8	0.8	0.8	0.8
82.5°	1.2	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.4	0.4	0.4
87.5°	1.2	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)