

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: P1324765

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324765
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

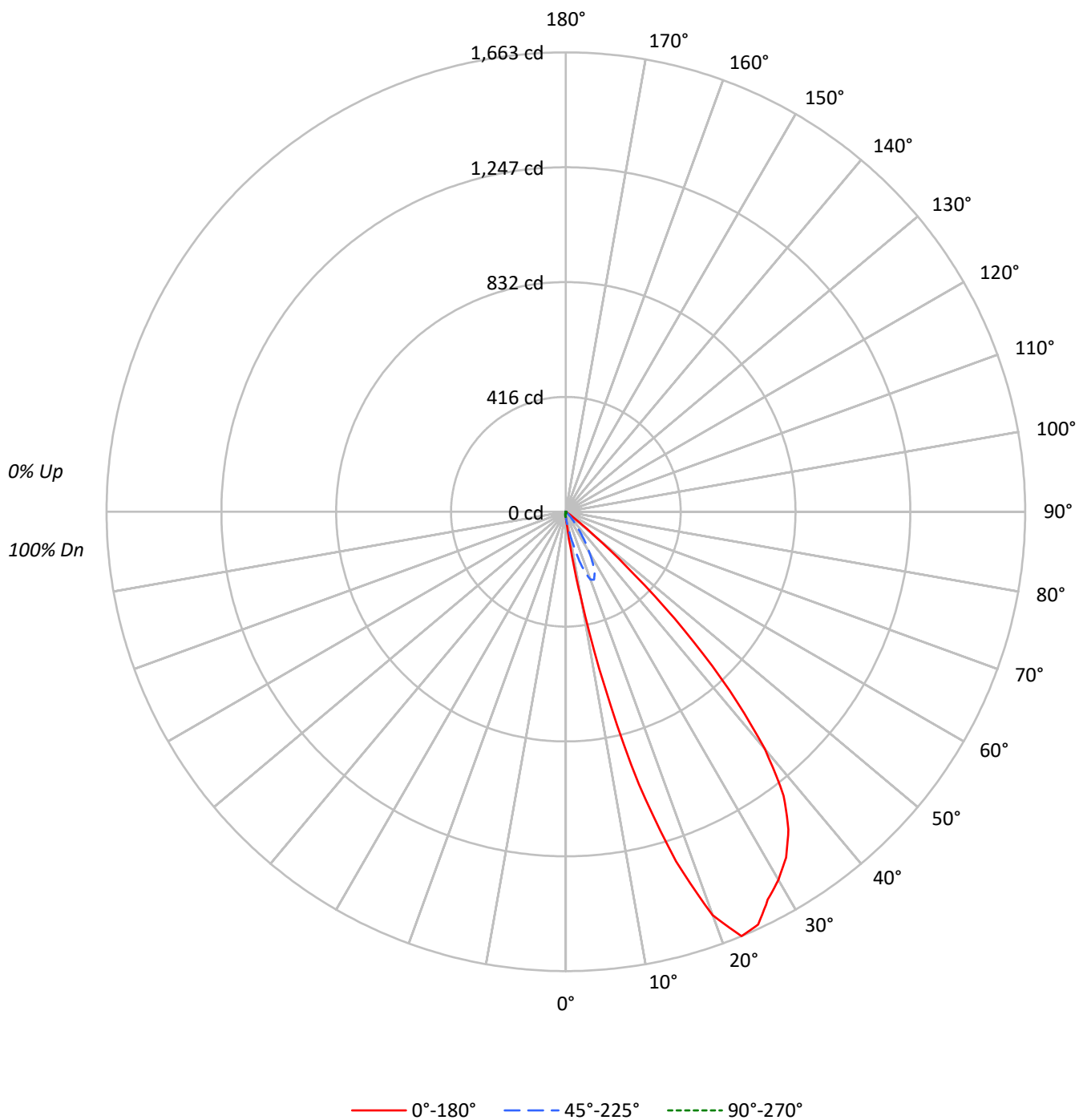
Lumens per Lamp: N/A
Luminaire Lumens: 392.1 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3203	3203	3203	3203	3203
5°	9664	6448	3043	1366	1106
10°	55944	13658	2378	630	437
15°	181953	30970	1658	125	71
20°	284718	47927	1045	0	0
25°	313240	46823	551	0	0
30°	305955	33767	219	0	0
35°	295289	19195	84	0	0
40°	251822	8139	0	0	0
45°	147792	3044	97	0	97
50°	35903	563	107	107	295
55°	3123	0	210	330	420
60°	138	0	241	379	620
65°	163	163	448	448	734
70°	201	201	554	554	705
75°	0	266	732	732	732
80°	0	397	1091	694	694
85°	0	790	2174	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 147792 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.9
10°-20°	53.9	13.7
20°-30°	136.9	34.9
30°-40°	136.5	34.8
40°-50°	55.3	14.1
50°-60°	3.8	1.0
60°-70°	0.9	0.2
70°-80°	0.9	0.2
80°-90°	0.5	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°	194.2	49.5
0°-40°	330.7	84.3
0°-60°	389.8	99.4
0°-90°	392.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	392.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	56	37	18	8	6	13
15°	1020	174	9	1	0	297
25°	1648	246	3	0	0	744
35°	1404	91	0	0	0	861
45°	607	12	0	0	0	463
55°	10	0	1	1	1	27
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°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2.5°	30.8	31.2	31.2	30.4	30.1	30.1	29.0	28.7	27.6	26.5	22.9
5°	55.9	54.8	53.4	53.4	50.1	48.4	45.8	43.0	40.8	37.3	26.5
7.5°	126.8	118.2	115.7	112.5	100.3	90.6	79.5	69.8	60.9	53.4	29.4
10°	319.9	303.0	289.1	260.8	225.3	191.3	159.8	123.2	98.1	78.1	31.5
12.5°	644.4	621.8	595.0	543.4	477.1	392.2	317.0	236.8	166.2	115.0	32.2
15°	1020.5	982.2	940.3	874.7	766.2	644.4	508.6	380.8	266.9	173.7	31.5
17.5°	1327.1	1312.1	1250.1	1160.6	1027.7	870.8	703.5	528.7	360.0	227.5	29.4
20°	1553.5	1543.1	1468.3	1373.0	1223.2	1043.4	831.0	621.1	424.8	261.5	26.1
22.5°	1662.8	1661.0	1606.9	1509.4	1350.8	1147.0	913.0	674.5	444.9	266.1	21.9
25°	1648.4	1654.9	1624.1	1551.7	1399.5	1189.6	937.4	674.5	430.2	246.4	18.3
27.5°	1583.2	1587.5	1568.2	1512.7	1370.8	1158.8	903.4	631.1	387.6	211.7	15.0
30°	1538.5	1540.3	1516.3	1456.8	1306.3	1088.6	823.1	550.9	323.1	169.8	11.1
32.5°	1484.0	1483.7	1455.7	1387.7	1221.8	990.1	721.4	455.3	248.2	129.0	6.4
35°	1404.5	1395.5	1357.6	1279.1	1095.7	857.5	591.4	346.7	178.7	91.3	3.9
37.5°	1295.2	1272.0	1218.2	1113.3	918.8	672.3	438.4	243.6	122.1	60.5	2.5
40°	1120.1	1095.4	1022.3	894.8	694.9	483.9	295.5	158.7	77.0	36.2	1.4
42.5°	878.3	861.5	763.0	635.8	458.9	308.8	177.7	93.8	43.3	20.8	0.4
45°	606.8	584.9	507.6	399.7	275.5	171.2	99.6	49.1	24.7	12.5	0.0
47.5°	334.9	308.1	263.3	207.0	138.6	89.9	50.1	26.5	14.0	6.1	0.0
50°	134.0	132.9	105.7	75.2	53.0	40.8	25.1	14.3	7.2	2.1	0.4
52.5°	46.9	46.9	40.5	33.0	25.8	18.6	12.5	6.8	2.5	0.7	0.4
55°	10.4	11.5	10.7	10.0	9.7	8.2	5.4	2.5	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.4	1.8	1.8	1.4	0.7	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	0.7
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
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°	18.6	18.6	18.6	18.6	18.6
2.5°	18.6	14.7	12.2	10.7	10.4
5°	17.6	11.1	7.9	6.8	6.4
7.5°	15.8	8.2	5.4	4.3	3.9
10°	13.6	6.1	3.6	2.5	2.5
12.5°	11.5	4.7	2.1	1.1	0.7
15°	9.3	2.9	0.7	0.4	0.4
17.5°	7.2	1.8	0.0	0.0	0.0
20°	5.7	0.7	0.0	0.0	0.0
22.5°	4.3	0.4	0.0	0.0	0.0
25°	2.9	0.0	0.0	0.0	0.0
27.5°	1.8	0.0	0.0	0.0	0.0
30°	1.1	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	0.7	0.7
50°	0.4	0.4	0.4	0.7	1.1
52.5°	0.7	0.4	0.7	1.1	1.1
55°	0.7	0.7	1.1	1.4	1.4
57.5°	0.7	0.7	1.1	1.4	1.4
60°	0.7	0.7	1.1	1.4	1.8
62.5°	1.1	1.1	1.1	1.4	1.4
65°	1.1	1.1	1.1	1.4	1.8
67.5°	1.1	1.1	1.1	1.4	1.8
70°	1.1	1.1	1.1	1.4	1.4
72.5°	1.4	1.1	1.1	1.4	1.4
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.7	1.1	1.1
80°	1.1	0.7	0.7	0.7	0.7
82.5°	1.1	0.7	0.7	0.7	0.7
85°	1.1	0.7	0.4	0.4	0.4
87.5°	1.1	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)