

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: P1324865

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

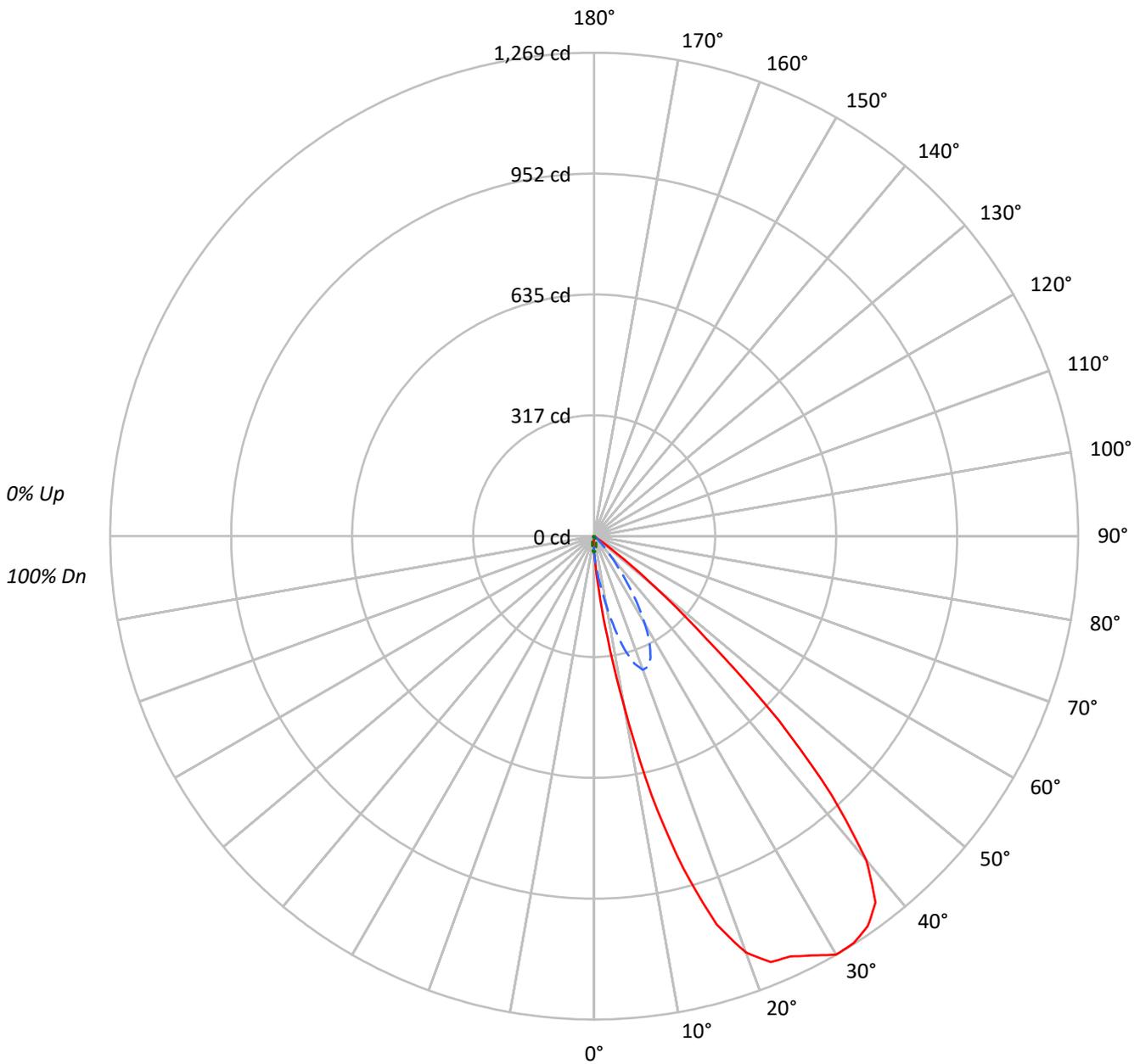
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7216	7216	7216	7216	7216
5°	24584	15974	6742	2853	2109
10°	79115	32388	5316	1067	682
15°	161181	54916	3762	374	250
20°	213149	68398	2438	128	128
25°	231281	66490	1368	76	133
30°	252281	52998	577	80	139
35°	262890	32987	147	84	147
40°	249461	14411	90	157	247
45°	166522	5748	97	268	438
50°	55864	965	188	375	563
55°	3123	120	210	540	751
60°	241	138	379	620	861
65°	285	163	448	734	1019
70°	201	201	554	906	1057
75°	266	266	732	932	1198
80°	0	397	1091	1091	1091
85°	0	790	2174	790	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 166522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	1.8
10°-20°	57.3	14.4
20°-30°	121.0	30.3
30°-40°	137.2	34.4
40°-50°	67.5	16.9
50°-60°	5.9	1.5
60°-70°	1.2	0.3
70°-80°	1.1	0.3
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°	185.5	46.5
0°-40°	322.8	80.9
0°-60°	396.2	99.3
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	142	92	39	16	12	23
15°	904	308	21	2	1	257
25°	1217	350	7	0	1	566
35°	1250	157	1	0	1	771
45°	684	24	0	1	2	505
55°	10	0	1	2	2	41
65°	1	0	1	2	2	1
75°	0	0	1	1	2	0
85°	0	0	1	0	1	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°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2.5°	72.7	74.5	73.8	73.4	73.1	71.6	68.4	68.1	64.8	62.7	51.9
5°	142.2	139.3	140.0	136.1	131.1	123.9	119.3	109.2	101.0	92.4	60.5
7.5°	267.9	264.0	256.4	245.0	233.2	217.8	194.5	175.9	154.4	134.0	67.3
10°	452.4	450.2	440.5	411.2	385.4	344.2	305.5	264.7	224.6	185.2	72.0
12.5°	698.8	684.1	666.5	627.5	576.6	525.1	448.8	378.2	314.1	248.2	72.3
15°	904.0	894.7	870.0	819.1	757.9	683.4	592.8	497.9	401.1	308.0	68.8
17.5°	1069.1	1054.8	1022.9	973.1	902.6	805.9	699.9	584.2	466.3	350.6	62.7
20°	1163.0	1155.4	1131.1	1081.3	1004.3	898.6	777.9	643.3	507.2	373.2	54.8
22.5°	1210.2	1204.9	1187.0	1147.2	1075.2	968.8	830.6	674.1	519.0	370.7	46.6
25°	1217.1	1215.6	1200.2	1170.1	1110.0	1004.7	853.5	679.8	509.3	349.9	38.7
27.5°	1240.7	1235.7	1217.4	1187.3	1126.8	1010.7	845.6	660.1	478.2	313.4	32.2
30°	1268.6	1265.0	1246.8	1215.6	1144.0	1005.0	817.7	616.4	428.4	266.5	24.0
32.5°	1266.5	1265.0	1249.6	1216.7	1131.8	971.4	767.9	550.9	360.7	210.2	15.0
35°	1250.4	1245.3	1226.0	1175.1	1062.3	884.7	673.4	462.0	285.5	156.9	9.7
37.5°	1211.7	1200.9	1168.3	1082.0	938.0	751.1	548.4	356.7	202.0	104.9	6.1
40°	1109.6	1096.0	1030.4	926.2	775.4	591.7	408.0	245.3	133.2	64.1	2.5
42.5°	920.5	892.9	827.4	720.3	578.8	418.3	267.9	159.0	78.4	38.7	0.7
45°	683.7	662.6	593.8	496.8	379.3	268.3	162.2	86.0	43.3	23.6	0.4
47.5°	398.3	385.4	349.9	286.2	209.5	140.8	83.1	46.2	25.4	11.5	0.4
50°	208.5	192.3	165.5	125.4	92.4	64.8	40.5	24.7	12.5	3.6	0.4
52.5°	73.1	72.0	65.5	49.4	40.1	29.0	19.7	10.7	3.6	0.7	0.4
55°	10.4	10.4	9.7	10.7	11.5	10.4	6.8	2.9	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	1.1	1.4	1.4	1.1	0.4	0.4	0.4	0.7
60°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
62.5°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
65°	0.7	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	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°	41.9	41.9	41.9	41.9	41.9
2.5°	41.5	33.3	26.5	23.3	22.2
5°	39.0	25.1	16.5	12.9	12.2
7.5°	34.7	17.9	10.0	7.2	6.8
10°	30.4	12.9	6.1	4.3	3.9
12.5°	25.4	9.0	3.9	2.5	2.1
15°	21.1	6.1	2.1	1.8	1.4
17.5°	16.8	3.9	1.4	1.1	1.4
20°	13.3	2.5	0.7	0.7	0.7
22.5°	10.0	1.4	0.7	0.7	0.7
25°	7.2	0.7	0.4	0.4	0.7
27.5°	5.0	0.4	0.4	0.4	0.7
30°	2.9	0.4	0.4	0.4	0.7
32.5°	1.4	0.4	0.4	0.7	0.7
35°	0.7	0.4	0.4	0.7	0.7
37.5°	0.4	0.4	0.4	0.7	1.1
40°	0.4	0.4	0.7	1.1	1.1
42.5°	0.4	0.4	0.7	1.1	1.4
45°	0.4	0.7	1.1	1.4	1.8
47.5°	0.7	0.7	1.4	1.8	2.1
50°	0.7	1.1	1.4	2.1	2.1
52.5°	0.7	1.1	1.8	2.1	2.5
55°	0.7	1.4	1.8	2.5	2.5
57.5°	1.1	1.4	1.8	2.5	2.5
60°	1.1	1.4	1.8	2.5	2.5
62.5°	1.1	1.4	1.8	2.5	2.5
65°	1.1	1.4	1.8	2.5	2.5
67.5°	1.1	1.4	1.8	2.1	2.5
70°	1.1	1.4	1.8	2.1	2.1
72.5°	1.4	1.4	1.8	2.1	2.1
75°	1.1	1.4	1.4	1.8	1.8
77.5°	1.1	1.1	1.1	1.4	1.4
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.7	0.7	1.1	1.1
85°	1.1	0.7	0.4	0.7	0.7
87.5°	0.7	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)