

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: P1324869

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324869
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

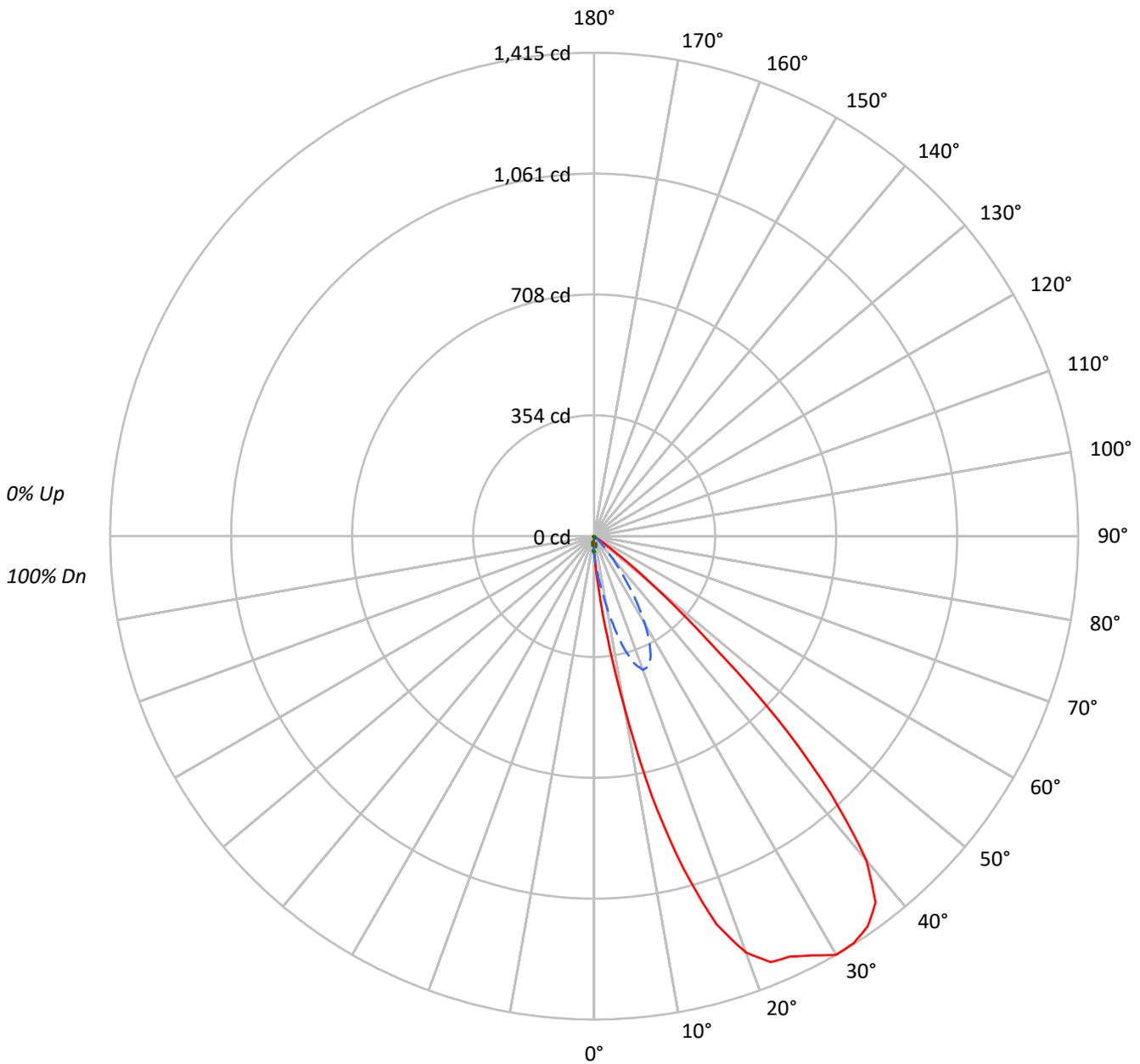
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 445.0 lumens
Efficiency: N/A
Efficacy: 75.4 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	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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8043	8043	8043	8043	8043
5°	27419	17824	7520	3181	2351
10°	88227	36113	5946	1189	769
15°	179760	61245	4208	428	285
20°	237708	76279	2712	147	147
25°	257942	74167	1520	76	152
30°	281375	59103	636	80	159
35°	293187	36793	168	84	168
40°	278216	16075	90	180	270
45°	185739	6430	97	292	487
50°	62294	1072	214	429	643
55°	3483	120	240	601	841
60°	276	138	413	689	964
65°	326	163	489	815	1141
70°	201	201	604	1007	1209
75°	266	266	799	1065	1331
80°	0	397	1190	1190	1190
85°	0	790	2371	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 185739 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	1.8
10°-20°	63.9	14.4
20°-30°	134.9	30.3
30°-40°	153.1	34.4
40°-50°	75.3	16.9
50°-60°	6.5	1.5
60°-70°	1.3	0.3
70°-80°	1.2	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°	206.9	46.5
0°-40°	360.0	80.9
0°-60°	441.8	99.3
0°-90°	445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	159	103	44	18	14	26
15°	1008	344	24	2	2	287
25°	1357	390	8	0	1	632
35°	1394	175	1	0	1	859
45°	763	26	0	1	2	563
55°	12	0	1	2	3	45
65°	1	0	1	2	3	1
75°	0	0	1	2	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°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	81.1	83.1	82.3	81.9	81.5	79.9	76.3	75.9	72.3	69.9	57.9
5°	158.6	155.4	156.2	151.8	146.2	138.2	133.0	121.8	112.6	103.1	67.5
7.5°	298.8	294.4	286.0	273.2	260.0	242.9	216.9	196.1	172.2	149.4	75.1
10°	504.5	502.1	491.3	458.6	429.8	383.9	340.7	295.2	250.5	206.5	80.3
12.5°	779.3	763.0	743.4	699.9	643.1	585.6	500.5	421.8	350.3	276.8	80.7
15°	1008.2	997.9	970.3	913.6	845.3	762.2	661.1	555.2	447.4	343.5	76.7
17.5°	1192.4	1176.4	1140.9	1085.3	1006.6	898.8	780.5	651.5	520.1	391.1	69.9
20°	1297.0	1288.7	1261.5	1206.0	1120.1	1002.2	867.6	717.4	565.6	416.2	61.1
22.5°	1349.8	1343.8	1323.8	1279.5	1199.2	1080.5	926.3	751.8	578.8	413.4	51.9
25°	1357.4	1355.8	1338.6	1305.0	1237.9	1120.5	951.9	758.2	568.0	390.3	43.1
27.5°	1383.7	1378.1	1357.8	1324.2	1256.7	1127.3	943.1	736.2	533.3	349.5	36.0
30°	1414.9	1410.9	1390.5	1355.8	1275.9	1120.9	912.0	687.5	477.8	297.2	26.8
32.5°	1412.5	1410.9	1393.7	1357.0	1262.3	1083.3	856.4	614.4	402.3	234.5	16.8
35°	1394.5	1388.9	1367.4	1310.6	1184.8	986.7	751.0	515.3	318.4	175.0	10.8
37.5°	1351.4	1339.4	1303.0	1206.8	1046.2	837.7	611.6	397.9	225.3	117.0	6.8
40°	1237.5	1222.3	1149.2	1033.0	864.8	659.9	455.0	273.6	148.6	71.5	2.8
42.5°	1026.6	995.9	922.8	803.3	645.5	466.6	298.8	177.4	87.5	43.1	0.8
45°	762.6	739.0	662.3	554.1	423.0	299.2	181.0	95.9	48.3	26.4	0.4
47.5°	444.2	429.8	390.3	319.2	233.7	157.0	92.7	51.5	28.4	12.8	0.4
50°	232.5	214.5	184.6	139.8	103.1	72.3	45.1	27.6	14.0	4.0	0.4
52.5°	81.5	80.3	73.1	55.1	44.7	32.4	22.0	12.0	4.0	0.8	0.4
55°	11.6	11.6	10.8	12.0	12.8	11.6	7.6	3.2	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.6	1.6	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	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°	46.7	46.7	46.7	46.7	46.7
2.5°	46.3	37.1	29.6	26.0	24.8
5°	43.5	28.0	18.4	14.4	13.6
7.5°	38.7	20.0	11.2	8.0	7.6
10°	34.0	14.4	6.8	4.8	4.4
12.5°	28.4	10.0	4.4	2.8	2.4
15°	23.6	6.8	2.4	2.0	1.6
17.5°	18.8	4.4	1.6	1.2	1.6
20°	14.8	2.8	0.8	0.8	0.8
22.5°	11.2	1.6	0.8	0.8	0.8
25°	8.0	0.8	0.4	0.4	0.8
27.5°	5.6	0.4	0.4	0.4	0.8
30°	3.2	0.4	0.4	0.4	0.8
32.5°	1.6	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.6
45°	0.4	0.8	1.2	1.6	2.0
47.5°	0.8	0.8	1.6	2.0	2.4
50°	0.8	1.2	1.6	2.4	2.4
52.5°	0.8	1.2	2.0	2.4	2.8
55°	0.8	1.6	2.0	2.8	2.8
57.5°	1.2	1.6	2.0	2.8	2.8
60°	1.2	1.6	2.0	2.8	2.8
62.5°	1.2	1.6	2.0	2.8	2.8
65°	1.2	1.6	2.0	2.8	2.8
67.5°	1.2	1.6	2.0	2.4	2.8
70°	1.2	1.6	2.0	2.4	2.4
72.5°	1.6	1.6	2.0	2.4	2.4
75°	1.2	1.6	1.6	2.0	2.0
77.5°	1.2	1.2	1.2	1.6	1.6
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)