

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: P1325669

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

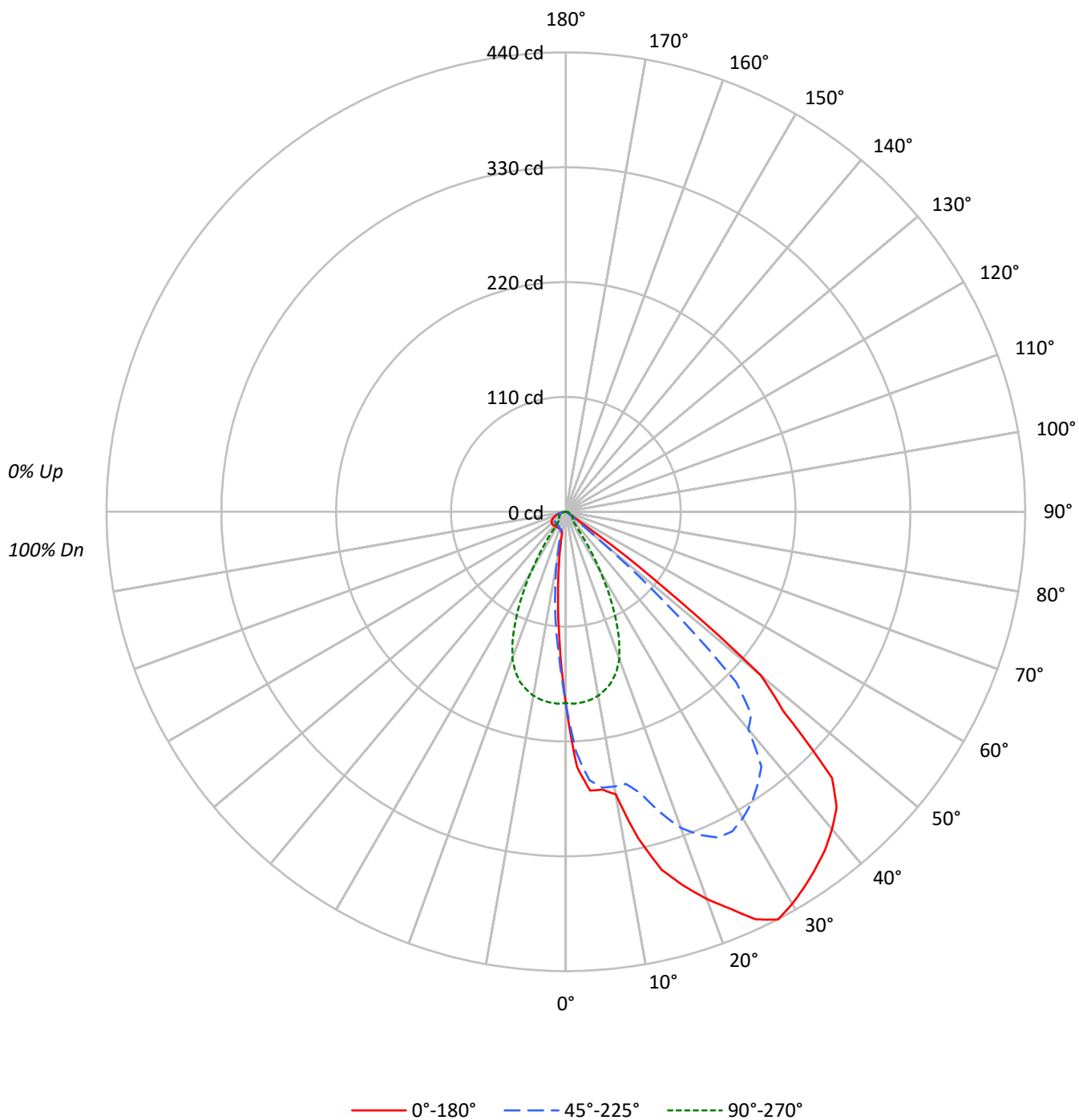
Lumens per Lamp: N/A
Luminaire Lumens: 348.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1325669

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1325669

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K

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	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64
5	84	74	66	61	82	73	66	60	71	65	60	69	64	59	67	62	59	57	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31551	31551	31551	31551	31551
5°	46349	44586	31672	18913	14816
10°	48057	46745	31286	9041	3655
15°	63296	49852	30132	3245	3174
20°	72302	59051	27436	3116	3189
25°	81863	65426	21530	3002	3154
30°	86228	67376	13344	2983	3381
35°	87672	67236	4394	3070	3574
40°	89209	61174	2136	3282	3912
45°	87803	56165	2216	3459	4238
50°	65268	10369	2224	3805	4662
55°	5225	1411	2372	4023	4984
60°	1102	1481	2308	4064	5167
65°	1141	1467	2241	4034	5298
70°	1007	1410	2165	3777	5187
75°	799	1331	1863	3660	4991
80°	793	1190	1984	3570	4661
85°	790	1581	2371	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 88875 cd/sqm

TEST NUMBER: P1325669

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	4.8
10°-20°	46.9	13.5
20°-30°	78.7	22.6
30°-40°	94.7	27.2
40°-50°	75.1	21.6
50°-60°	24.0	6.9
60°-70°	6.7	1.9
70°-80°	4.0	1.2
80°-90°	1.3	0.4
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°	142.3	40.9
0°-40°	237.0	68.1
0°-60°	336.0	96.6
0°-90°	348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	183	183	183	183	183	
5°	268	258	183	109	86	25
15°	355	280	169	18	18	100
25°	431	344	113	16	17	197
35°	417	320	21	15	17	261
45°	360	231	9	14	17	259
55°	17	5	8	13	17	54
65°	3	4	6	10	13	3
75°	1	2	3	6	8	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1325669

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2
2.5°	244.4	246.0	246.0	244.0	244.8	241.7	239.3	235.7	234.9	230.6	225.1
5°	268.1	267.3	267.3	265.7	266.5	265.4	264.2	263.4	261.0	257.9	254.7
7.5°	268.5	269.3	269.7	269.3	270.9	269.7	269.7	269.7	268.1	266.5	263.4
10°	274.8	273.6	272.5	269.7	268.1	266.9	266.9	267.3	268.1	267.3	265.4
12.5°	320.2	315.9	313.9	307.2	302.1	293.4	283.5	276.0	269.3	266.9	265.4
15°	355.0	354.2	350.3	343.9	337.6	327.3	315.9	304.4	292.2	279.6	270.5
17.5°	375.5	373.9	370.0	363.3	355.8	346.3	337.2	328.5	316.7	302.5	287.9
20°	394.5	390.9	385.8	377.9	370.4	361.3	351.4	343.1	333.3	322.2	305.2
22.5°	411.5	408.3	400.0	389.3	381.8	373.2	364.5	356.6	347.5	334.9	319.5
25°	430.8	423.7	410.3	396.5	387.4	380.3	373.9	367.6	358.1	344.3	326.2
27.5°	440.3	430.4	415.8	402.0	393.3	385.8	379.1	372.8	362.1	345.1	324.2
30°	433.6	428.0	417.8	407.1	400.0	392.9	385.0	375.5	358.5	338.8	319.5
32.5°	425.7	422.9	418.2	411.9	407.5	400.4	389.3	373.9	350.3	330.9	310.0
35°	417.0	415.8	414.2	411.5	408.7	402.0	388.2	365.7	342.0	319.8	299.7
37.5°	407.9	406.7	407.9	407.5	405.1	396.5	375.5	354.6	330.1	307.6	268.5
40°	396.8	396.1	398.0	400.0	397.2	385.8	363.3	338.0	316.3	272.1	258.6
42.5°	383.8	383.4	387.0	388.6	384.6	367.6	341.2	322.6	276.8	262.6	231.0
45°	360.5	361.3	362.9	364.9	362.5	343.9	319.8	285.9	265.7	230.6	131.5
47.5°	282.3	283.1	291.0	307.6	319.1	312.7	292.2	266.9	237.7	131.9	41.5
50°	243.6	242.8	243.2	247.2	256.3	265.0	258.6	244.8	141.8	38.7	5.1
52.5°	107.0	118.9	131.5	167.0	189.9	214.0	218.8	153.2	46.2	5.1	5.1
55°	17.4	18.2	22.9	33.6	60.4	91.2	110.6	51.3	4.7	4.7	4.7
57.5°	3.6	3.6	3.6	3.9	5.9	12.6	14.6	4.3	4.3	4.3	4.7
60°	3.2	3.2	3.2	3.2	3.6	3.6	3.6	3.9	3.9	4.3	4.3
62.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.6	3.6	3.9	3.9	4.3
65°	2.8	2.8	2.8	2.8	3.2	3.2	3.2	3.2	3.6	3.6	3.9
67.5°	2.4	2.4	2.4	2.4	2.8	2.8	2.8	3.2	3.2	3.2	3.6
70°	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.8	2.8	2.8
72.5°	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.4	2.4	2.4
75°	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2
82.5°	0.4	0.4	0.8	0.8	0.8	0.8	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	0.8	0.8	0.8	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

TEST NUMBER: P1325669

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2
2.5°	221.5	216.0	208.5	184.0	161.5	141.0	130.7	129.5
5°	249.6	244.4	231.8	183.2	140.2	109.4	90.8	85.7
7.5°	260.2	255.9	244.8	181.6	120.0	78.6	57.7	49.8
10°	263.0	260.2	250.7	178.9	99.1	51.7	27.2	20.9
12.5°	264.2	262.2	253.1	174.5	78.2	26.9	18.6	18.6
15°	266.1	264.2	255.5	169.0	57.7	18.2	17.8	17.8
17.5°	274.8	268.5	258.6	160.7	37.9	17.4	17.4	17.4
20°	289.0	275.2	260.2	149.7	23.7	17.0	17.0	17.4
22.5°	300.9	282.3	259.8	133.1	17.4	16.2	16.6	17.0
25°	306.0	285.5	256.3	113.3	15.0	15.8	16.6	16.6
27.5°	305.2	286.7	253.1	90.8	14.2	15.4	16.2	17.0
30°	300.9	283.5	246.0	67.1	13.4	15.0	16.2	17.0
32.5°	293.4	271.3	231.8	43.4	13.0	15.0	16.2	17.0
35°	268.9	251.5	211.3	20.9	12.6	14.6	16.6	17.0
37.5°	254.7	230.6	161.1	10.3	12.2	14.6	16.6	17.0
40°	231.8	172.2	72.7	9.5	12.2	14.6	16.6	17.4
42.5°	145.7	70.7	11.8	9.1	11.8	14.6	16.6	17.4
45°	53.3	9.5	6.3	9.1	11.8	14.2	16.6	17.4
47.5°	5.5	5.5	5.9	8.7	11.5	14.2	16.6	17.4
50°	5.1	5.5	5.9	8.3	11.1	14.2	16.2	17.4
52.5°	5.1	5.5	5.9	8.3	10.7	13.8	16.2	17.4
55°	5.1	5.5	5.5	7.9	10.3	13.4	15.8	16.6
57.5°	4.7	5.1	5.5	7.5	9.9	12.6	15.4	16.2
60°	4.7	5.1	5.5	6.7	9.5	11.8	14.6	15.0
62.5°	4.3	4.7	5.1	6.3	8.7	11.1	13.4	14.2
65°	4.3	4.3	4.7	5.5	7.9	9.9	12.2	13.0
67.5°	3.6	3.9	3.9	4.7	6.7	8.7	11.1	11.8
70°	3.2	3.2	3.6	4.3	5.9	7.5	9.5	10.3
72.5°	2.8	2.8	2.8	3.6	5.1	6.7	8.3	9.1
75°	2.4	2.4	2.4	2.8	4.3	5.5	7.1	7.5
77.5°	2.0	2.0	2.0	2.4	3.6	4.7	5.5	6.3
80°	1.6	1.6	1.6	2.0	2.8	3.6	4.3	4.7
82.5°	1.2	1.2	1.2	1.6	2.0	2.4	3.2	3.2
85°	0.8	0.8	0.8	1.2	1.2	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)