

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: P1325540

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

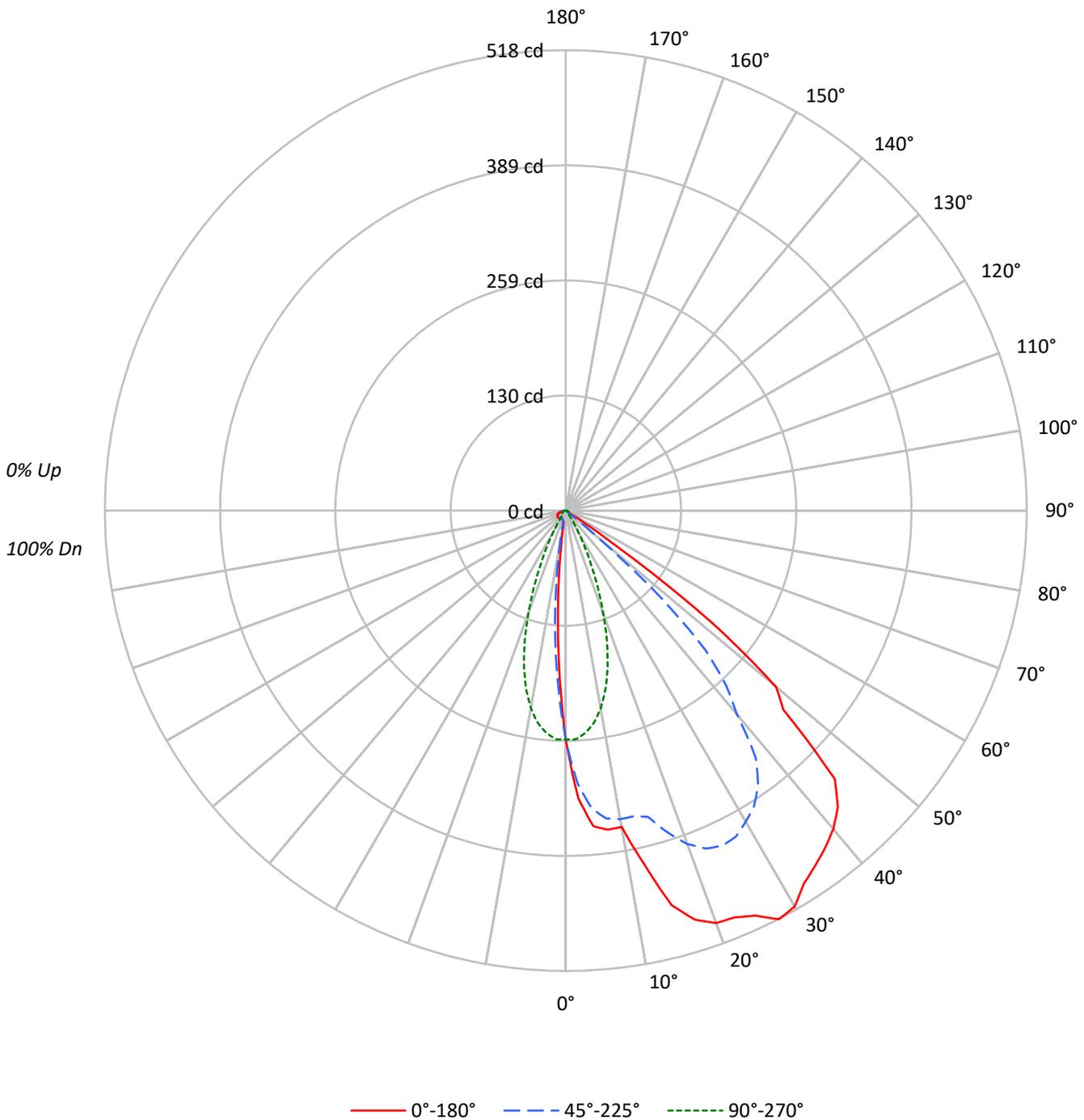
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 385.9 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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	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	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44347	44347	44347	44347	44347
5°	61649	58192	43410	23858	16787
10°	63201	61662	39488	6663	2448
15°	81892	63581	32325	2140	2068
20°	90501	73145	22488	1906	1979
25°	95507	79051	12732	1824	1976
30°	102277	80401	5747	1830	2068
35°	102642	79199	1850	1934	2271
40°	105149	67266	1259	2068	2518
45°	104146	54216	1267	2241	2728
50°	82657	12780	1286	2465	3108
55°	19637	721	1321	2762	3483
60°	689	827	1516	2893	3720
65°	815	815	1467	3097	4075
70°	604	806	1410	3021	4230
75°	532	799	1331	3194	4259
80°	397	793	1587	3174	4364
85°	790	1581	1581	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 104341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	5.6
10°-20°	56.6	14.7
20°-30°	88.9	23.0
30°-40°	101.7	26.4
40°-50°	81.7	21.2
50°-60°	26.6	6.9
60°-70°	4.7	1.2
70°-80°	3.1	0.8
80°-90°	1.1	0.3
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°	167.0	43.3
0°-40°	268.7	69.6
0°-60°	377.0	97.7
0°-90°	385.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	258	258	258	258	258	
5°	357	337	251	138	97	34
15°	459	357	181	12	12	128
25°	503	416	67	10	10	234
35°	488	377	9	9	11	307
45°	428	223	5	9	11	308
55°	65	2	4	9	12	93
65°	2	2	4	8	10	2
75°	1	1	2	5	6	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5
2.5°	324.1	322.9	324.5	321.7	321.3	318.5	316.9	316.1	312.5	307.7	303.3
5°	356.6	351.8	353.0	352.6	350.6	349.4	347.8	345.8	341.0	336.6	330.9
7.5°	362.2	358.2	359.0	359.4	358.2	357.8	357.4	356.6	353.4	349.4	344.6
10°	361.4	357.4	357.0	355.8	354.6	355.0	355.0	355.0	354.2	352.6	351.0
12.5°	408.0	402.3	401.1	392.7	385.1	371.8	363.4	355.4	351.8	352.2	351.0
15°	459.3	458.9	454.9	446.9	434.0	422.0	402.7	388.3	369.8	356.6	351.0
17.5°	482.6	482.2	478.6	471.7	462.5	451.3	437.2	420.4	399.9	379.5	362.6
20°	493.8	496.6	492.6	487.0	478.1	467.7	454.5	439.2	420.0	399.1	379.1
22.5°	495.4	499.0	495.4	491.4	485.0	478.1	466.9	451.3	431.6	411.6	391.9
25°	502.6	503.8	496.2	491.0	485.0	480.2	471.3	457.7	437.6	416.0	396.7
27.5°	518.3	513.0	497.0	489.8	484.2	479.8	471.3	457.3	435.6	413.6	393.5
30°	514.3	512.2	498.2	491.4	486.6	482.2	471.7	453.7	427.6	404.3	383.5
32.5°	497.8	501.8	497.0	494.6	492.2	486.6	471.3	446.9	417.6	393.9	365.8
35°	488.2	493.0	493.4	493.4	490.6	482.2	464.1	436.8	407.6	376.7	339.0
37.5°	478.6	482.6	485.0	486.6	482.6	470.5	447.7	423.2	391.1	350.6	284.4
40°	467.7	470.5	472.5	473.3	467.3	451.7	430.8	403.1	367.0	299.2	253.9
42.5°	452.5	454.1	453.7	453.3	446.9	429.6	410.0	381.1	309.7	266.8	211.8
45°	427.6	426.0	428.4	428.4	420.0	407.1	381.1	324.9	277.2	222.6	136.4
47.5°	331.3	332.5	344.2	363.0	374.7	371.0	335.7	284.4	233.1	146.0	45.3
50°	308.5	307.3	307.7	309.7	310.9	300.8	275.6	240.3	154.0	47.7	3.2
52.5°	207.0	208.2	217.4	238.7	245.5	238.3	214.2	160.5	56.2	3.2	2.8
55°	65.4	69.8	75.0	86.2	105.9	118.3	115.9	57.0	3.6	2.4	2.8
57.5°	2.4	2.4	3.2	5.6	10.8	17.6	18.5	3.6	2.8	2.8	2.8
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.4
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
70°	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6
75°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
80°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5
2.5°	300.8	296.0	286.4	257.5	227.4	197.4	178.5	173.7
5°	324.5	318.9	305.3	251.1	190.1	138.0	108.3	97.1
7.5°	339.0	332.1	316.1	241.1	148.0	80.2	48.1	38.5
10°	345.4	339.4	321.3	225.8	107.1	38.1	16.8	14.0
12.5°	348.2	343.4	323.3	205.8	69.8	16.8	12.4	12.0
15°	349.4	344.2	322.5	181.3	39.7	12.0	11.6	11.6
17.5°	350.6	344.6	317.7	153.2	22.1	11.2	10.8	11.2
20°	360.2	343.0	309.3	122.7	14.4	10.4	10.4	10.8
22.5°	369.8	342.6	294.4	93.9	11.2	10.0	10.4	10.4
25°	373.1	338.6	275.6	67.0	9.6	9.6	10.0	10.4
27.5°	367.0	326.9	250.3	45.3	8.4	9.6	10.0	10.4
30°	353.0	307.3	219.8	28.9	8.0	9.2	10.0	10.4
32.5°	326.9	268.4	185.7	17.2	7.6	9.2	10.4	10.4
35°	274.8	225.0	147.2	8.8	7.6	9.2	10.4	10.8
37.5°	240.3	187.7	102.7	6.0	7.6	9.2	10.4	10.8
40°	199.4	135.6	42.9	5.6	7.6	9.2	10.4	11.2
42.5°	138.0	59.0	6.8	5.2	7.2	9.2	10.8	11.2
45°	49.7	7.6	3.2	5.2	7.2	9.2	10.8	11.2
47.5°	4.4	2.8	3.2	5.2	7.2	9.2	10.8	11.6
50°	2.8	2.8	2.8	4.8	7.2	9.2	10.8	11.6
52.5°	2.8	2.8	2.8	4.8	6.8	9.2	11.2	11.6
55°	2.8	2.8	2.8	4.4	6.8	9.2	10.8	11.6
57.5°	2.8	2.8	3.2	4.4	6.8	8.8	10.8	11.2
60°	2.8	2.8	2.8	4.4	6.4	8.4	10.4	10.8
62.5°	2.4	2.8	2.8	4.0	6.0	8.0	10.0	10.4
65°	2.4	2.4	2.8	3.6	5.6	7.6	9.2	10.0
67.5°	2.0	2.4	2.4	3.2	4.8	6.8	8.4	9.2
70°	2.0	2.0	2.0	2.8	4.4	6.0	8.0	8.4
72.5°	1.6	2.0	2.0	2.4	3.6	5.2	6.8	7.6
75°	1.6	1.6	1.6	2.0	3.2	4.8	6.0	6.4
77.5°	1.2	1.2	1.6	1.6	2.8	3.6	5.2	5.6
80°	1.2	1.2	1.2	1.6	2.0	3.2	4.0	4.4
82.5°	0.8	0.8	0.8	1.2	1.6	2.0	2.8	3.2
85°	0.8	0.8	0.8	0.8	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)