

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: P1325547

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA45R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-82)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R65W2N902750DE010 3LSQCA45R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

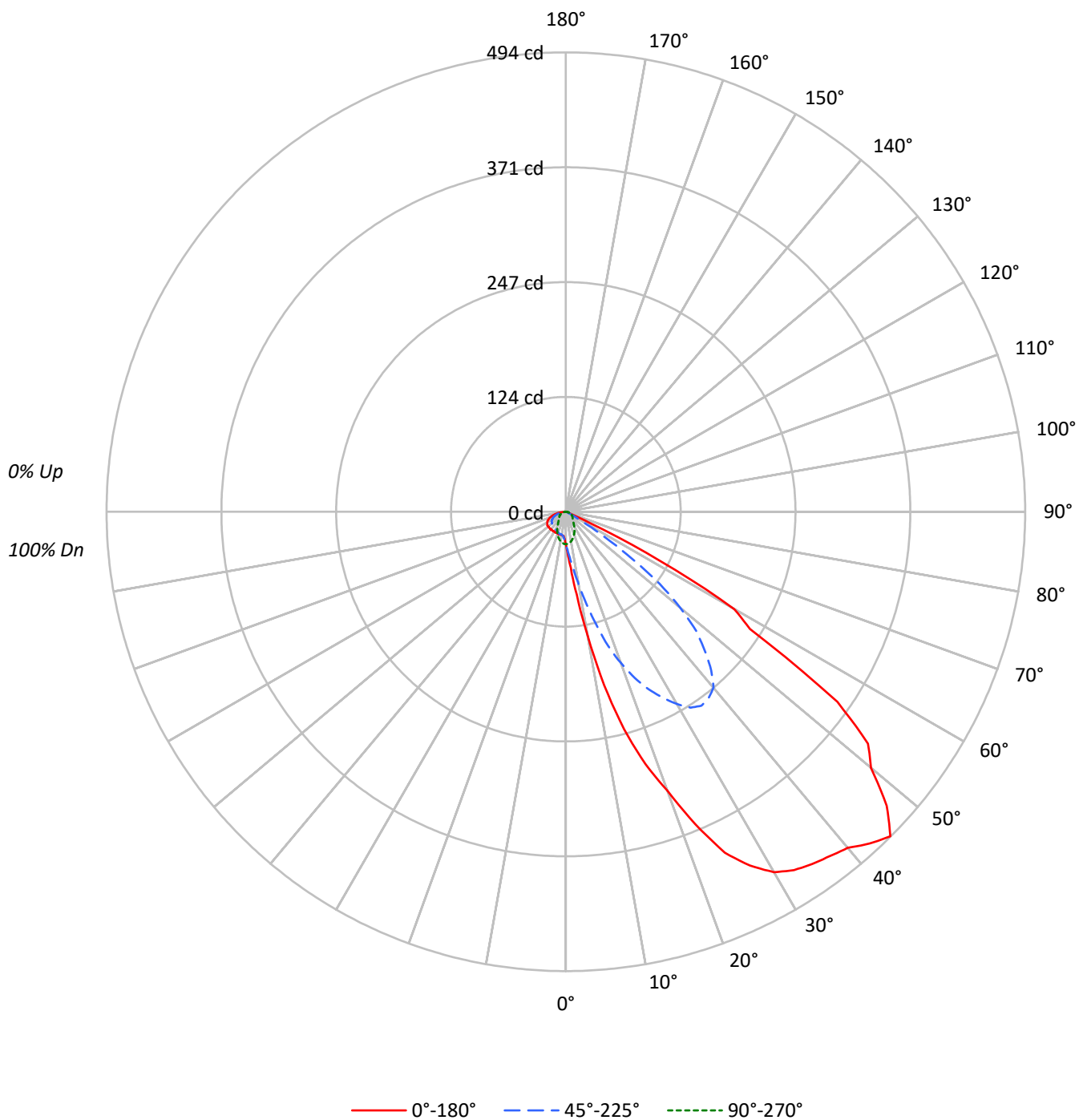
Lumens per Lamp: N/A
Luminaire Lumens: 358.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62		
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39		
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	26		
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5993	5993	5993	5993	5993
5°	10494	8558	5895	4772	4599
10°	23731	13815	5649	4389	4459
15°	43130	22216	5242	4422	4547
20°	58483	31707	4729	4399	4600
25°	76866	40039	4162	4295	4713
30°	89012	47469	3560	4276	4932
35°	97196	53507	3028	4373	5214
40°	106048	55531	2653	4609	5576
45°	120221	51488	2533	4896	6040
50°	114835	43003	2492	5198	6645
55°	107013	24141	2582	5615	7326
60°	72092	5201	2583	5924	7922
65°	11125	1304	2486	6153	8639
70°	1259	1259	2367	6345	9215
75°	1198	1198	2129	6188	9316
80°	1091	1389	2182	5653	9224
85°	790	1383	2174	5730	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 120221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	1.2
10°-20°	22.8	6.4
20°-30°	53.5	14.9
30°-40°	80.8	22.6
40°-50°	92.9	25.9
50°-60°	73.7	20.6
60°-70°	22.1	6.2
70°-80°	6.0	1.7
80°-90°	2.0	0.6
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°	80.5	22.5
0°-40°	161.3	45.0
0°-60°	327.9	91.6
0°-90°	358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	358.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	61	50	34	28	27	8
15°	242	125	29	25	26	70
25°	404	211	22	23	25	185
35°	462	254	14	21	25	290
45°	494	211	10	20	25	367
55°	356	80	9	19	24	294
65°	27	3	6	15	21	61
75°	2	2	3	9	14	2
85°	0	1	1	3	4	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
0°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
2.5°	44.2	44.5	44.2	44.2	43.8	43.4	40.9	38.0	34.8	32.3	30.5
5°	60.7	61.0	59.9	59.9	59.2	58.2	49.5	41.3	34.1	30.2	27.6
7.5°	89.7	91.2	89.4	87.2	83.3	82.6	61.7	44.5	33.4	28.0	25.8
10°	135.7	134.6	132.8	128.5	121.7	118.5	79.0	47.7	32.3	26.6	25.1
12.5°	191.3	188.5	186.3	178.4	169.1	163.7	100.5	50.6	30.9	25.1	24.8
15°	241.9	239.8	234.8	227.2	215.7	211.4	124.6	52.4	29.4	24.0	24.8
17.5°	284.7	282.5	279.6	272.1	260.2	253.8	151.5	53.5	27.6	23.3	24.4
20°	319.1	317.7	313.7	307.6	295.8	289.7	173.0	53.5	25.8	22.6	24.0
22.5°	363.6	360.4	355.4	346.4	331.7	322.3	193.5	52.4	24.0	21.9	23.3
25°	404.5	402.4	395.9	385.2	369.4	360.0	210.7	50.3	21.9	20.8	22.6
27.5°	429.0	427.5	421.4	410.3	392.7	385.5	225.1	47.0	19.7	19.7	22.3
30°	447.6	444.7	438.6	427.9	409.9	401.3	238.7	43.1	17.9	18.7	21.5
32.5°	456.9	455.9	450.5	441.2	423.6	413.9	249.8	38.0	15.8	17.9	21.2
35°	462.3	461.3	456.9	448.0	431.5	422.1	254.5	33.4	14.4	17.2	20.8
37.5°	466.6	465.6	460.2	451.2	434.7	425.0	252.3	28.4	12.9	16.5	20.5
40°	471.7	467.7	459.5	450.5	435.4	426.1	247.0	23.7	11.8	16.2	20.5
42.5°	483.9	470.2	457.3	449.1	434.7	423.9	231.5	18.7	10.8	15.4	20.1
45°	493.6	469.5	453.0	446.5	431.8	419.6	211.4	13.6	10.4	15.1	20.1
47.5°	468.1	453.4	445.8	442.2	426.4	413.2	190.6	9.3	10.1	14.7	19.7
50°	428.6	426.8	423.9	424.3	409.9	399.2	160.5	6.5	9.3	14.4	19.4
52.5°	409.6	407.4	402.4	398.8	384.4	375.1	127.1	5.0	9.0	14.0	19.0
55°	356.4	357.9	352.5	354.6	350.3	345.7	80.4	4.7	8.6	13.3	18.7
57.5°	234.8	241.9	254.5	269.6	283.2	292.5	43.4	4.7	7.9	12.9	17.9
60°	209.3	207.5	207.1	210.0	216.1	221.1	15.1	4.3	7.5	11.8	17.2
62.5°	114.5	113.8	124.6	142.9	153.6	154.7	4.3	4.3	6.8	11.1	16.2
65°	27.3	28.4	31.6	39.5	46.7	51.3	3.2	3.9	6.1	10.4	15.1
67.5°	4.3	4.7	4.7	5.7	6.5	6.5	2.9	3.6	5.4	9.3	14.0
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.2	4.7	8.3	12.6
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.9	3.9	7.2	10.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5	3.2	5.7	9.3
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.2	2.9	4.7	7.5
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.8	2.2	3.6	5.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.4	1.8	2.9	4.3
85°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	1.1	1.1	1.8	2.9
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	1.1	1.4
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):

	157.5°	180°
0°	34.8	34.8
2.5°	29.4	29.1
5°	26.6	26.6
7.5°	25.5	25.5
10°	25.1	25.5
12.5°	25.1	25.5
15°	25.1	25.5
17.5°	25.1	25.5
20°	24.8	25.1
22.5°	24.4	24.8
25°	24.0	24.8
27.5°	23.7	24.8
30°	23.7	24.8
32.5°	23.7	24.8
35°	23.3	24.8
37.5°	23.3	24.8
40°	23.3	24.8
42.5°	23.3	24.8
45°	23.3	24.8
47.5°	23.3	24.8
50°	23.3	24.8
52.5°	23.0	24.8
55°	23.0	24.4
57.5°	22.3	23.7
60°	21.5	23.0
62.5°	20.8	22.3
65°	19.7	21.2
67.5°	18.7	19.7
70°	16.9	18.3
72.5°	15.1	16.2
75°	12.9	14.0
77.5°	10.8	11.8
80°	8.6	9.3
82.5°	6.1	6.8
85°	3.9	4.3
87.5°	1.8	1.8
90°	0.0	0.0

(END OF REPORT)