

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: P1325550

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA45R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325550
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 4000K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

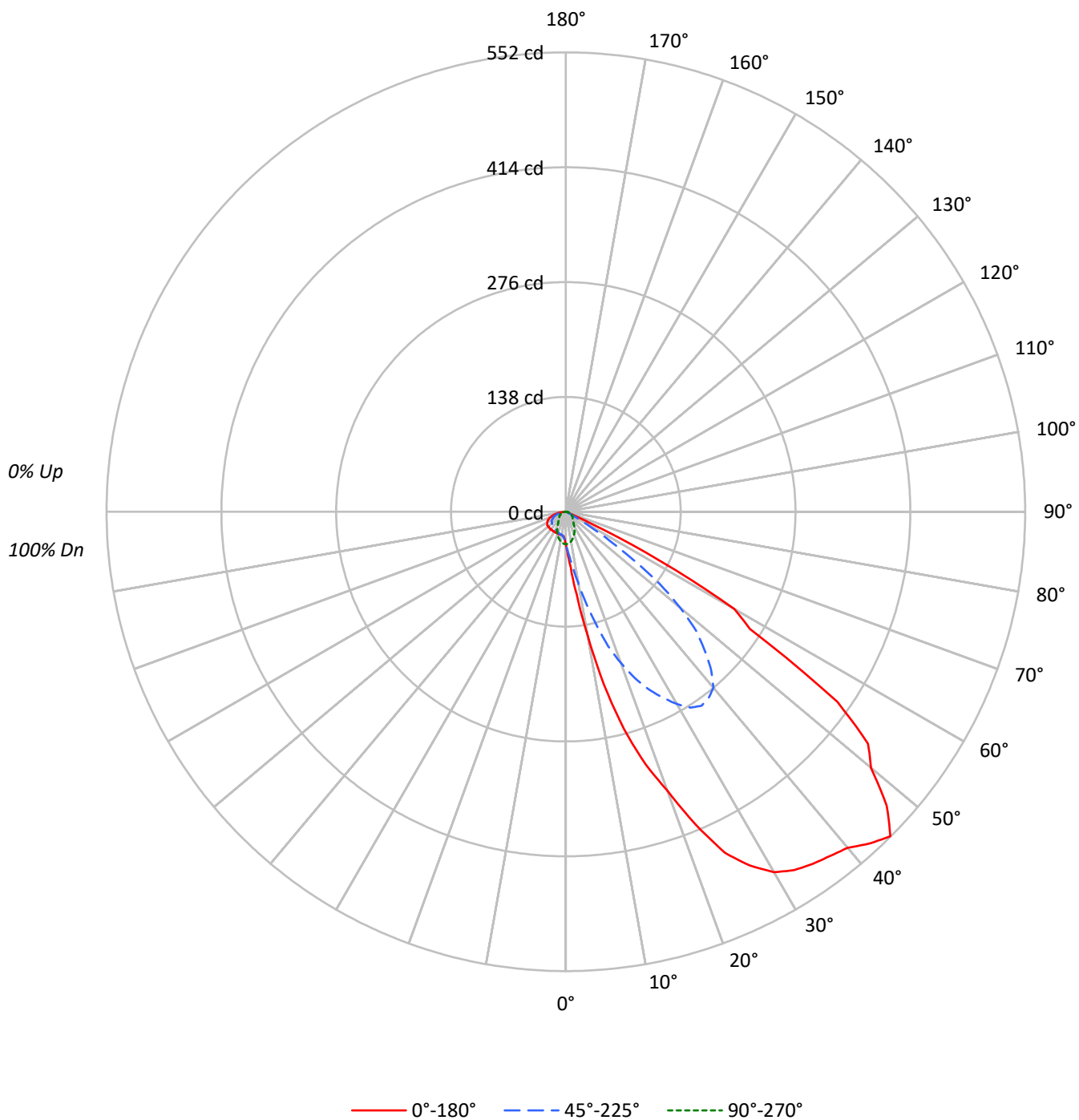
Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
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°	6699	6699	6699	6699	6699
5°	11721	9560	6587	5342	5135
10°	26512	15424	6313	4914	4984
15°	48194	24819	5866	4939	5081
20°	65338	35427	5297	4930	5150
25°	85892	44732	4656	4808	5264
30°	99453	53037	3997	4793	5509
35°	108613	59794	3364	4899	5824
40°	118481	62028	2968	5148	6228
45°	134323	57529	2825	5480	6747
50°	128312	48040	2786	5814	7422
55°	119594	26963	2883	6275	8197
60°	80531	5787	2893	6648	8852
65°	12429	1467	2771	6846	9658
70°	1410	1410	2618	7050	10323
75°	1331	1331	2396	6920	10381
80°	1190	1587	2380	6347	10315
85°	790	1581	2371	6323	9485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 134323 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	1.2
10°-20°	25.4	6.4
20°-30°	59.8	14.9
30°-40°	90.3	22.6
40°-50°	103.8	25.9
50°-60°	82.4	20.6
60°-70°	24.7	6.2
70°-80°	6.7	1.7
80°-90°	2.2	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°	89.9	22.5
0°-40°	180.2	45.1
0°-60°	366.4	91.6
0°-90°	400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	400.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	68	55	38	31	30	9
15°	270	139	33	28	28	78
25°	452	235	24	25	28	206
35°	517	284	16	23	28	324
45°	552	236	12	22	28	410
55°	398	90	10	21	27	328
65°	30	4	7	17	24	68
75°	2	2	4	10	16	2
85°	0	1	1	3	5	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°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2.5°	49.3	49.7	49.3	49.3	48.9	48.5	45.7	42.5	38.9	36.1	34.1
5°	67.8	68.2	67.0	67.0	66.2	65.0	55.3	46.1	38.1	33.7	30.9
7.5°	100.3	101.9	99.9	97.5	93.0	92.2	69.0	49.7	37.3	31.3	28.9
10°	151.6	150.4	148.4	143.6	136.0	132.4	88.2	53.3	36.1	29.7	28.1
12.5°	213.8	210.6	208.2	199.3	188.9	182.9	112.3	56.6	34.5	28.1	27.7
15°	270.3	267.9	262.3	253.9	241.0	236.2	139.2	58.6	32.9	26.9	27.7
17.5°	318.0	315.6	312.4	304.0	290.8	283.6	169.2	59.8	30.9	26.1	27.3
20°	356.5	354.9	350.5	343.7	330.5	323.7	193.3	59.8	28.9	25.3	26.9
22.5°	406.3	402.7	397.1	387.0	370.6	360.2	216.2	58.6	26.9	24.5	26.1
25°	452.0	449.6	442.4	430.3	412.7	402.3	235.4	56.1	24.5	23.3	25.3
27.5°	479.3	477.7	470.9	458.4	438.8	430.7	251.5	52.5	22.1	22.1	24.9
30°	500.1	496.9	490.1	478.1	458.0	448.4	266.7	48.1	20.1	20.9	24.1
32.5°	510.6	509.4	503.3	492.9	473.3	462.4	279.1	42.5	17.6	20.1	23.7
35°	516.6	515.4	510.6	500.5	482.1	471.7	284.4	37.3	16.0	19.3	23.3
37.5°	521.4	520.2	514.2	504.1	485.7	474.9	281.9	31.7	14.4	18.4	22.9
40°	527.0	522.6	513.4	503.3	486.5	476.1	275.9	26.5	13.2	18.0	22.9
42.5°	540.6	525.4	511.0	501.7	485.7	473.7	258.7	20.9	12.0	17.2	22.5
45°	551.5	524.6	506.1	498.9	482.5	468.8	236.2	15.2	11.6	16.8	22.5
47.5°	523.0	506.5	498.1	494.1	476.5	461.6	213.0	10.4	11.2	16.4	22.1
50°	478.9	476.9	473.7	474.1	458.0	446.0	179.3	7.2	10.4	16.0	21.7
52.5°	457.6	455.2	449.6	445.6	429.5	419.1	142.0	5.6	10.0	15.6	21.3
55°	398.3	399.9	393.8	396.3	391.4	386.2	89.8	5.2	9.6	14.8	20.9
57.5°	262.3	270.3	284.4	301.2	316.4	326.9	48.5	5.2	8.8	14.4	20.1
60°	233.8	231.8	231.4	234.6	241.4	247.1	16.8	4.8	8.4	13.2	19.3
62.5°	127.9	127.1	139.2	159.6	171.7	172.9	4.8	4.8	7.6	12.4	18.0
65°	30.5	31.7	35.3	44.1	52.1	57.4	3.6	4.4	6.8	11.6	16.8
67.5°	4.8	5.2	5.2	6.4	7.2	7.2	3.2	4.0	6.0	10.4	15.6
70°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6	5.2	9.2	14.0
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	3.2	4.4	8.0	12.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8	3.6	6.4	10.4
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	3.2	5.2	8.4
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	2.0	2.4	4.0	6.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.6	2.0	3.2	4.8
85°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	1.2	1.2	2.0	3.2
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	1.2	1.6
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°	38.9	38.9
2.5°	32.9	32.5
5°	29.7	29.7
7.5°	28.5	28.5
10°	28.1	28.5
12.5°	28.1	28.5
15°	28.1	28.5
17.5°	28.1	28.5
20°	27.7	28.1
22.5°	27.3	27.7
25°	26.9	27.7
27.5°	26.5	27.7
30°	26.5	27.7
32.5°	26.5	27.7
35°	26.1	27.7
37.5°	26.1	27.7
40°	26.1	27.7
42.5°	26.1	27.7
45°	26.1	27.7
47.5°	26.1	27.7
50°	26.1	27.7
52.5°	25.7	27.7
55°	25.7	27.3
57.5°	24.9	26.5
60°	24.1	25.7
62.5°	23.3	24.9
65°	22.1	23.7
67.5°	20.9	22.1
70°	18.9	20.5
72.5°	16.8	18.0
75°	14.4	15.6
77.5°	12.0	13.2
80°	9.6	10.4
82.5°	6.8	7.6
85°	4.4	4.8
87.5°	2.0	2.0
90°	0.0	0.0

(END OF REPORT)