

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: P1325556

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA45R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325556
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 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 5000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

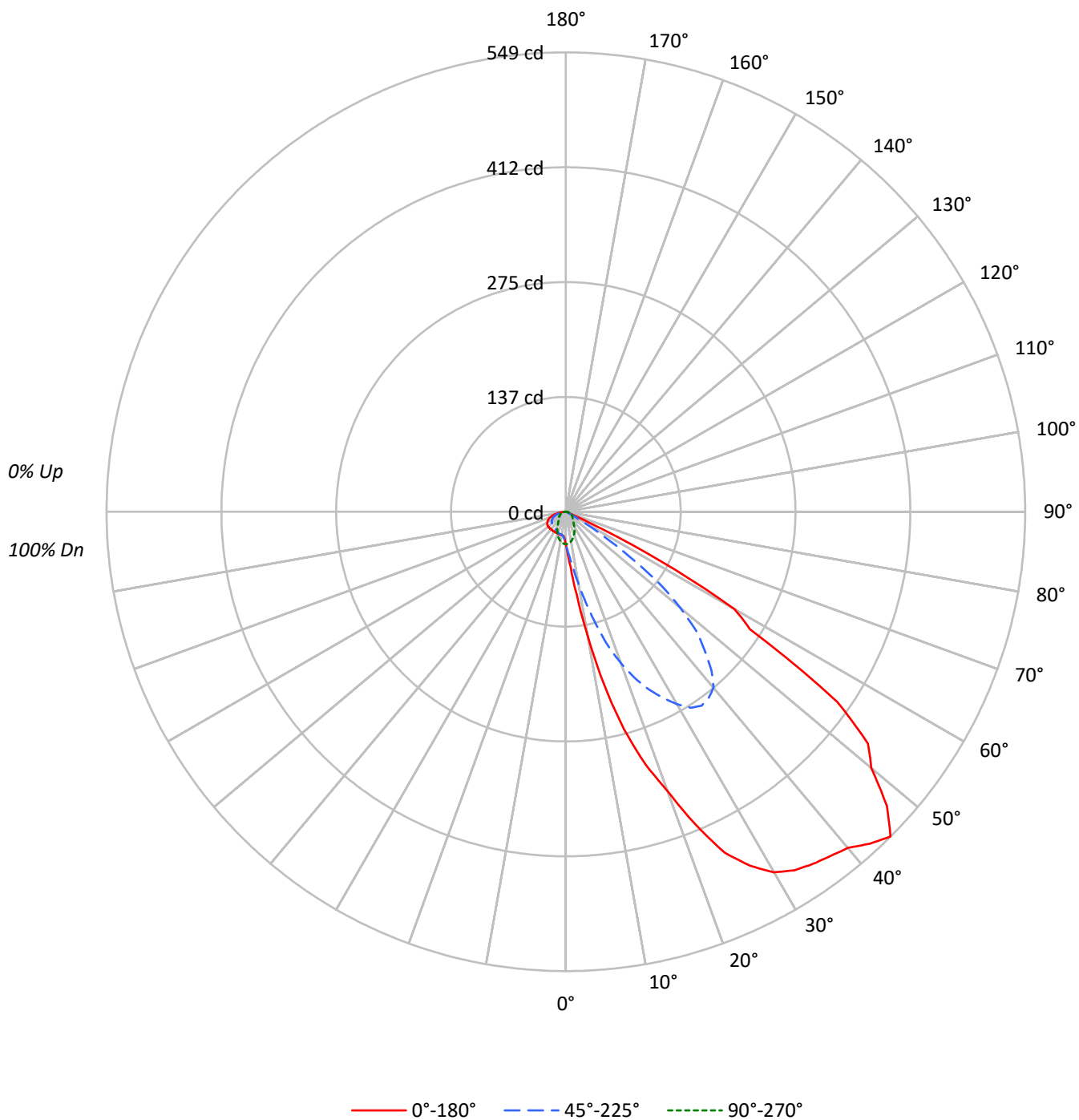
Lumens per Lamp: N/A
Luminaire Lumens: 398.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	64	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°	6665	6665	6665	6665	6665
5°	11652	9526	6552	5307	5100
10°	26372	15354	6278	4879	4949
15°	47962	24694	5830	4903	5046
20°	65026	35244	5260	4893	5113
25°	85455	44504	4618	4770	5226
30°	98956	52779	3977	4753	5469
35°	108066	59478	3364	4857	5782
40°	117896	61736	2968	5103	6183
45°	133641	57237	2825	5431	6698
50°	127669	47799	2786	5761	7368
55°	118993	26843	2883	6245	8137
60°	80152	5787	2893	6613	8783
65°	12348	1467	2771	6846	9577
70°	1410	1410	2618	7050	10272
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: 133641 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	1.2
10°-20°	25.3	6.4
20°-30°	59.5	14.9
30°-40°	89.8	22.6
40°-50°	103.3	25.9
50°-60°	82.0	20.6
60°-70°	24.6	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°	89.4	22.5
0°-40°	179.3	45.0
0°-60°	364.5	91.6
0°-90°	398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	398.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	67	55	38	31	30	9
15°	269	138	33	28	28	77
25°	450	234	24	25	28	205
35°	514	283	16	23	28	323
45°	549	235	12	22	28	408
55°	396	89	10	21	27	327
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°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
2.5°	49.1	49.5	49.1	49.1	48.7	48.3	45.5	42.3	38.7	35.9	33.9
5°	67.4	67.8	66.6	66.6	65.8	64.6	55.1	45.9	37.9	33.5	30.7
7.5°	99.8	101.4	99.4	97.0	92.6	91.8	68.6	49.5	37.1	31.1	28.7
10°	150.8	149.6	147.7	142.9	135.3	131.7	87.8	53.1	35.9	29.5	27.9
12.5°	212.7	209.5	207.1	198.3	188.0	182.0	111.7	56.3	34.3	27.9	27.5
15°	269.0	266.6	261.0	252.6	239.8	235.0	138.5	58.3	32.7	26.7	27.5
17.5°	316.5	314.1	310.9	302.5	289.3	282.1	168.4	59.5	30.7	25.9	27.1
20°	354.8	353.2	348.8	342.0	328.8	322.0	192.3	59.5	28.7	25.1	26.7
22.5°	404.2	400.7	395.1	385.1	368.7	358.4	215.1	58.3	26.7	24.3	25.9
25°	449.7	447.3	440.2	428.2	410.6	400.3	234.2	55.9	24.3	23.1	25.1
27.5°	476.9	475.3	468.5	456.1	436.6	428.6	250.2	52.3	21.9	21.9	24.7
30°	497.6	494.4	487.7	475.7	455.7	446.1	265.4	47.9	20.0	20.8	23.9
32.5°	508.0	506.8	500.8	490.4	470.9	460.1	277.7	42.3	17.6	20.0	23.5
35°	514.0	512.8	508.0	498.0	479.7	469.3	282.9	37.1	16.0	19.2	23.1
37.5°	518.8	517.6	511.6	501.6	483.3	472.5	280.5	31.5	14.4	18.4	22.7
40°	524.4	520.0	510.8	500.8	484.1	473.7	274.6	26.3	13.2	18.0	22.7
42.5°	537.9	522.8	508.4	499.2	483.3	471.3	257.4	20.8	12.0	17.2	22.3
45°	548.7	522.0	503.6	496.4	480.1	466.5	235.0	15.2	11.6	16.8	22.3
47.5°	520.4	504.0	495.6	491.6	474.1	459.3	211.9	10.4	11.2	16.4	21.9
50°	476.5	474.5	471.3	471.7	455.7	443.8	178.4	7.2	10.4	16.0	21.5
52.5°	455.3	452.9	447.3	443.4	427.4	417.0	141.3	5.6	10.0	15.6	21.2
55°	396.3	397.9	391.9	394.3	389.5	384.3	89.4	5.2	9.6	14.8	20.8
57.5°	261.0	269.0	282.9	299.7	314.9	325.2	48.3	5.2	8.8	14.4	20.0
60°	232.7	230.7	230.3	233.5	240.2	245.8	16.8	4.8	8.4	13.2	19.2
62.5°	127.3	126.5	138.5	158.8	170.8	172.0	4.8	4.8	7.6	12.4	18.0
65°	30.3	31.5	35.1	43.9	51.9	57.1	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°	38.7	38.7
2.5°	32.7	32.3
5°	29.5	29.5
7.5°	28.3	28.3
10°	27.9	28.3
12.5°	27.9	28.3
15°	27.9	28.3
17.5°	27.9	28.3
20°	27.5	27.9
22.5°	27.1	27.5
25°	26.7	27.5
27.5°	26.3	27.5
30°	26.3	27.5
32.5°	26.3	27.5
35°	25.9	27.5
37.5°	25.9	27.5
40°	25.9	27.5
42.5°	25.9	27.5
45°	25.9	27.5
47.5°	25.9	27.5
50°	25.9	27.5
52.5°	25.5	27.5
55°	25.5	27.1
57.5°	24.7	26.3
60°	23.9	25.5
62.5°	23.1	24.7
65°	21.9	23.5
67.5°	20.8	21.9
70°	18.8	20.4
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)