

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: P1325543

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA45R 1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325543
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 1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

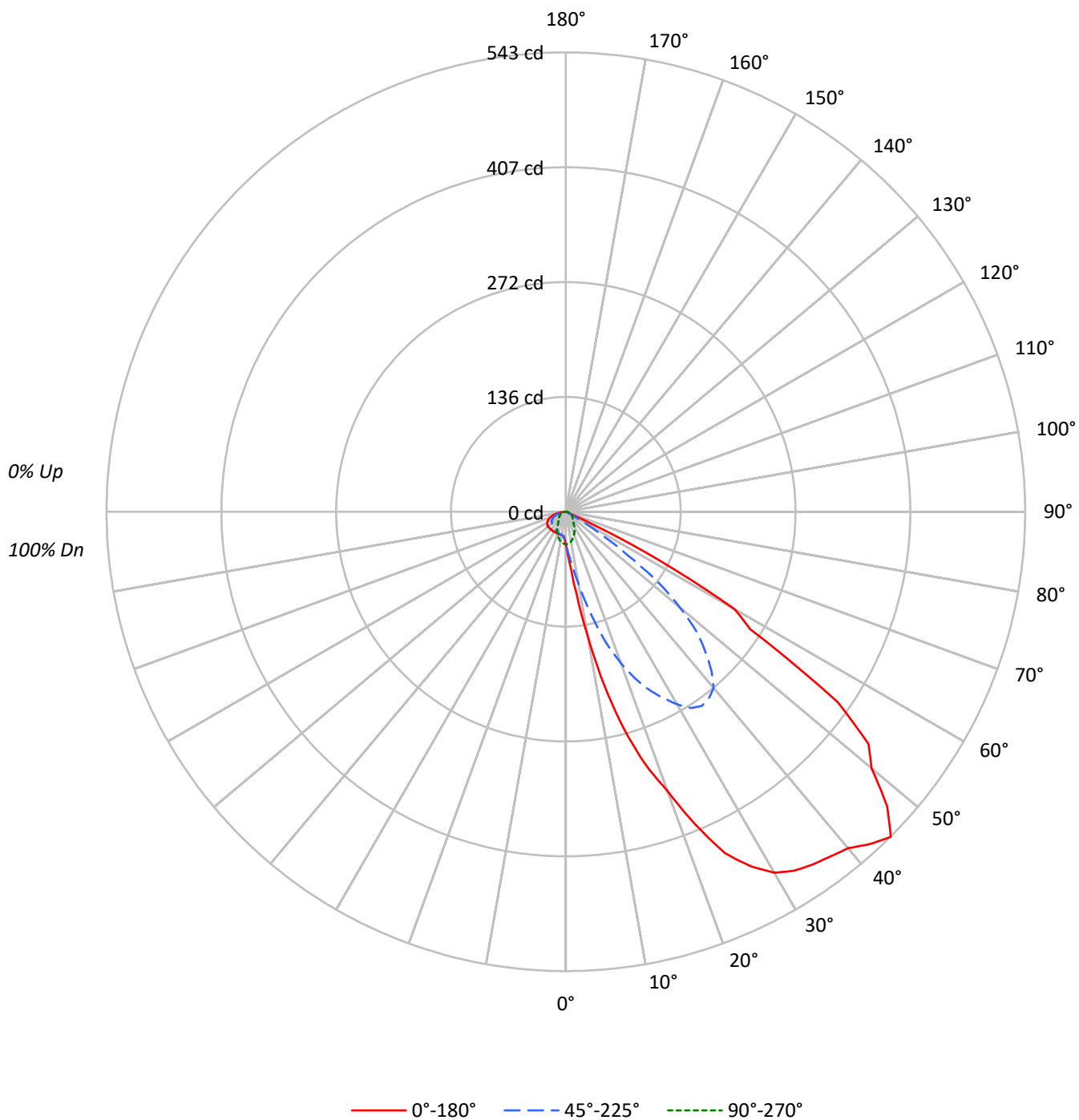
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	6596	6596	6596	6596	6596
5°	11548	9422	6483	5256	5048
10°	26110	15197	6226	4844	4897
15°	47481	24445	5777	4868	4992
20°	64366	34896	5205	4857	5077
25°	84600	44067	4580	4732	5188
30°	97961	52242	3938	4713	5429
35°	106973	58890	3322	4815	5740
40°	116704	61106	2923	5058	6138
45°	132302	56676	2801	5383	6649
50°	126383	47317	2760	5707	7315
55°	117792	26573	2852	6155	8077
60°	79326	5718	2859	6544	8714
65°	12225	1467	2730	6765	9495
70°	1410	1410	2568	6949	10121
75°	1331	1331	2396	6854	10247
80°	1190	1587	2380	6248	10215
85°	790	1581	2371	6323	9287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132302 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	1.2
10°-20°	25.1	6.4
20°-30°	58.9	14.9
30°-40°	88.9	22.6
40°-50°	102.2	25.9
50°-60°	81.2	20.6
60°-70°	24.3	6.2
70°-80°	6.6	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°	88.6	22.5
0°-40°	177.5	45.0
0°-60°	360.9	91.6
0°-90°	394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	67	54	38	30	29	9
15°	266	137	32	27	28	77
25°	445	232	24	25	27	203
35°	509	280	16	23	27	319
45°	543	233	12	22	27	403
55°	392	88	10	20	27	323
65°	30	4	7	17	23	67
75°	2	2	4	10	15	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°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
2.5°	48.6	49.0	48.6	48.6	48.2	47.8	45.0	41.9	38.3	35.6	33.6
5°	66.8	67.2	66.0	66.0	65.2	64.0	54.5	45.4	37.5	33.2	30.4
7.5°	98.8	100.3	98.4	96.0	91.7	90.9	67.9	49.0	36.7	30.8	28.4
10°	149.3	148.1	146.2	141.4	133.9	130.4	86.9	52.5	35.6	29.2	27.7
12.5°	210.6	207.4	205.0	196.3	186.1	180.1	110.6	55.7	34.0	27.7	27.3
15°	266.3	263.9	258.4	250.1	237.4	232.7	137.1	57.7	32.4	26.5	27.3
17.5°	313.3	310.9	307.7	299.4	286.4	279.3	166.7	58.9	30.4	25.7	26.9
20°	351.2	349.6	345.3	338.6	325.5	318.8	190.4	58.9	28.4	24.9	26.5
22.5°	400.2	396.6	391.1	381.2	365.0	354.8	212.9	57.7	26.5	24.1	25.7
25°	445.2	442.9	435.7	423.9	406.5	396.2	231.9	55.3	24.1	22.9	24.9
27.5°	472.1	470.5	463.8	451.5	432.2	424.3	247.7	51.8	21.7	21.7	24.5
30°	492.6	489.5	482.8	470.9	451.1	441.7	262.7	47.4	19.8	20.5	23.7
32.5°	502.9	501.7	495.8	485.5	466.2	455.5	275.0	41.9	17.4	19.8	23.3
35°	508.8	507.6	502.9	493.0	474.9	464.6	280.1	36.7	15.8	19.0	22.9
37.5°	513.6	512.4	506.5	496.6	478.4	467.7	277.7	31.2	14.2	18.2	22.5
40°	519.1	514.8	505.7	495.8	479.2	468.9	271.8	26.1	13.0	17.8	22.5
42.5°	532.5	517.5	503.3	494.2	478.4	466.6	254.8	20.5	11.9	17.0	22.1
45°	543.2	516.7	498.6	491.4	475.2	461.8	232.7	15.0	11.5	16.6	22.1
47.5°	515.1	498.9	490.7	486.7	469.3	454.7	209.8	10.3	11.1	16.2	21.7
50°	471.7	469.7	466.6	466.9	451.1	439.3	176.6	7.1	10.3	15.8	21.3
52.5°	450.8	448.4	442.9	438.9	423.1	412.8	139.8	5.5	9.9	15.4	20.9
55°	392.3	393.9	387.9	390.3	385.6	380.4	88.5	5.1	9.5	14.6	20.5
57.5°	258.4	266.3	280.1	296.7	311.7	322.0	47.8	5.1	8.7	14.2	19.8
60°	230.3	228.3	227.9	231.1	237.8	243.4	16.6	4.7	8.3	13.0	19.0
62.5°	126.0	125.2	137.1	157.2	169.1	170.3	4.7	4.7	7.5	12.2	17.8
65°	30.0	31.2	34.8	43.5	51.4	56.5	3.6	4.3	6.7	11.5	16.6
67.5°	4.7	5.1	5.1	6.3	7.1	7.1	3.2	4.0	5.9	10.3	15.4
70°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6	5.1	9.1	13.8
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	3.2	4.3	7.9	11.9
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8	3.6	6.3	10.3
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	3.2	5.1	8.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	2.0	2.4	4.0	6.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.6	2.0	3.2	4.7
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°	38.3	38.3
2.5°	32.4	32.0
5°	29.2	29.2
7.5°	28.0	28.0
10°	27.7	28.0
12.5°	27.7	28.0
15°	27.7	28.0
17.5°	27.7	28.0
20°	27.3	27.7
22.5°	26.9	27.3
25°	26.5	27.3
27.5°	26.1	27.3
30°	26.1	27.3
32.5°	26.1	27.3
35°	25.7	27.3
37.5°	25.7	27.3
40°	25.7	27.3
42.5°	25.7	27.3
45°	25.7	27.3
47.5°	25.7	27.3
50°	25.7	27.3
52.5°	25.3	27.3
55°	25.3	26.9
57.5°	24.5	26.1
60°	23.7	25.3
62.5°	22.9	24.5
65°	21.7	23.3
67.5°	20.5	21.7
70°	18.6	20.1
72.5°	16.6	17.8
75°	14.2	15.4
77.5°	11.9	13.0
80°	9.5	10.3
82.5°	6.7	7.5
85°	4.3	4.7
87.5°	2.0	2.0
90°	0.0	0.0

(END OF REPORT)