

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: P1325463

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA45R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-81)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R60W2N902750DE010 3LSQCA45R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

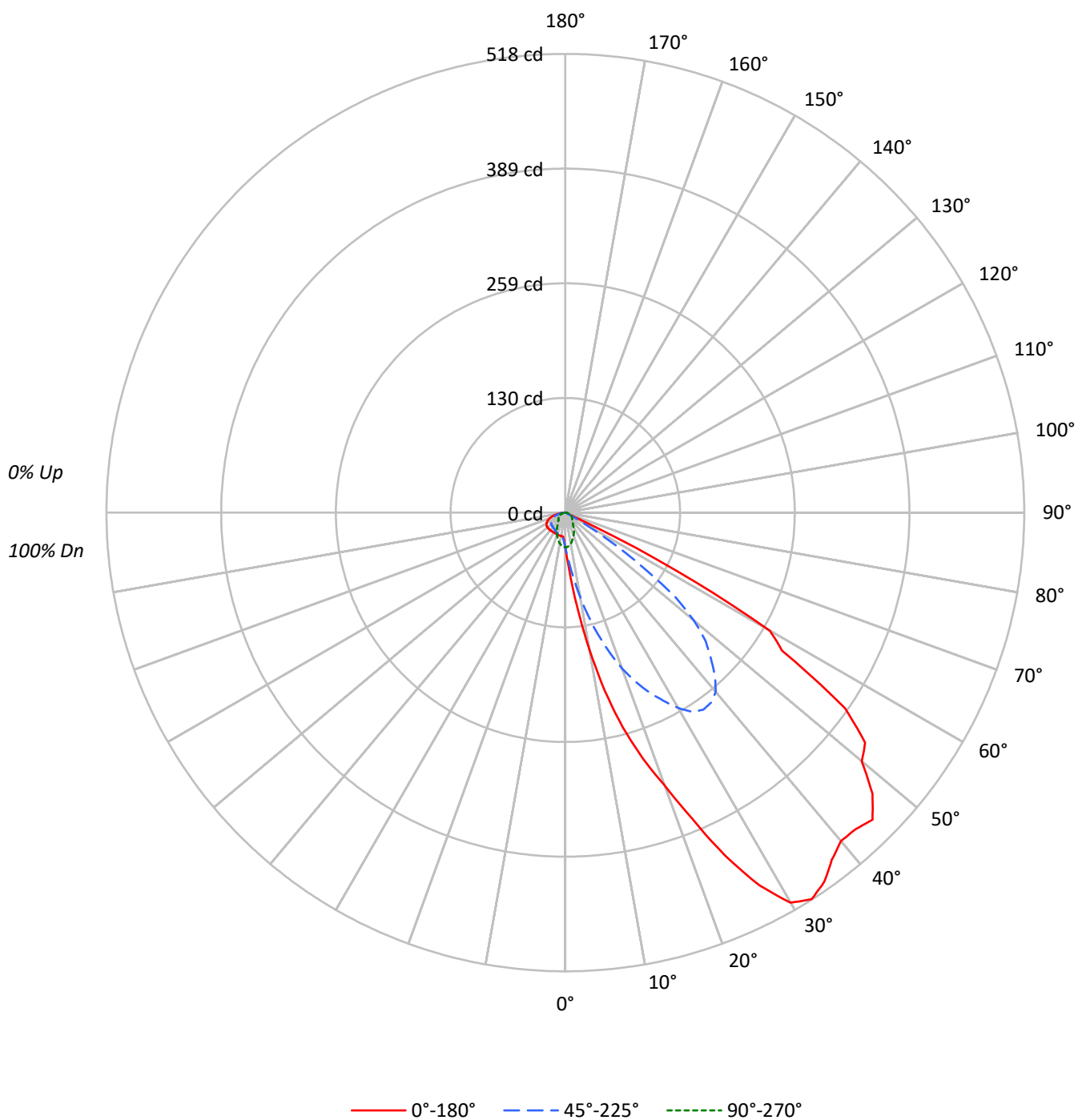
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 3.39 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	93	91	92	90	89	87		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74		
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62		
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39		
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33		
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29		
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25		
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6717	6717	6717	6717	6717
5°	13243	10338	6621	5014	4772
10°	27369	16841	6208	4564	4634
15°	44771	25283	5563	4600	4725
20°	60059	34273	4985	4600	4783
25°	81255	42528	4352	4561	4960
30°	101143	50631	3639	4554	5190
35°	107078	57082	3091	4667	5424
40°	108791	59353	2810	4834	5868
45°	119417	56530	2704	5139	6357
50°	117059	50666	2679	5466	6993
55°	115721	31077	2702	5915	7747
60°	91795	7406	2824	6303	8404
65°	5827	1304	2771	6439	9047
70°	1259	1460	2719	6697	9567
75°	1198	1397	2396	6455	9782
80°	1091	1389	2479	6347	9224
85°	790	1383	2766	5730	9287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 52.5°

Luminance: 126035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	1.2
10°-20°	24.6	6.2
20°-30°	57.0	14.5
30°-40°	88.6	22.5
40°-50°	100.9	25.6
50°-60°	85.0	21.6
60°-70°	24.7	6.3
70°-80°	6.3	1.6
80°-90°	2.1	0.5
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°	86.4	21.9
0°-40°	175.0	44.4
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°	39	39	39	39	39	
5°	77	60	38	29	28	10
15°	251	142	31	26	26	73
25°	428	224	23	24	26	199
35°	509	272	15	22	26	316
45°	490	232	11	21	26	369
55°	385	104	9	20	26	324
65°	14	3	7	16	22	71
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°	25°	30°	35°	45°	67.5°	90°
0°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
2.5°	52.6	52.3	52.3	51.9	51.6	51.2	50.1	49.8	47.6	43.3	39.0
5°	76.6	76.3	75.2	74.9	73.1	70.6	68.0	65.5	59.8	47.6	38.3
7.5°	111.0	111.7	111.0	107.1	104.6	100.6	93.1	87.7	76.3	51.9	36.9
10°	156.5	156.5	155.4	149.3	144.0	136.5	126.8	117.5	96.3	55.9	35.5
12.5°	205.9	207.0	201.6	196.6	187.0	177.6	164.4	150.4	119.3	59.1	33.7
15°	251.1	250.3	245.0	238.5	228.5	215.6	201.6	183.7	141.8	61.2	31.2
17.5°	291.2	289.7	285.1	277.9	265.7	251.4	233.5	214.2	165.1	63.0	29.4
20°	327.7	322.7	317.3	309.8	298.0	282.9	264.3	242.5	187.0	63.0	27.2
22.5°	373.9	368.9	361.4	349.9	334.2	315.5	293.7	269.0	206.3	61.6	25.1
25°	427.6	423.7	410.8	396.1	375.7	353.5	328.1	294.8	223.8	59.5	22.9
27.5°	474.6	470.3	457.4	435.9	411.2	384.7	357.8	323.8	239.2	55.5	20.4
30°	508.6	503.2	493.2	472.8	442.7	410.4	378.6	346.0	254.6	50.9	18.3
32.5°	517.5	516.8	509.3	494.2	467.4	431.9	394.0	358.5	266.8	44.8	16.5
35°	509.3	510.4	508.9	501.4	481.7	447.0	404.0	365.3	271.5	38.7	14.7
37.5°	494.2	495.7	498.2	499.3	486.7	455.9	409.7	368.2	270.4	32.6	13.6
40°	483.9	483.1	483.1	490.3	487.8	459.9	410.4	366.0	264.0	26.1	12.5
42.5°	484.9	477.1	471.7	483.1	486.7	458.1	405.8	360.3	250.0	20.1	11.5
45°	490.3	473.5	464.2	478.8	484.6	452.0	397.2	351.7	232.1	14.0	11.1
47.5°	470.3	459.1	457.7	478.5	480.6	441.6	383.9	338.1	214.9	9.7	10.4
50°	436.9	435.2	442.7	464.2	464.5	424.4	368.9	313.4	189.1	6.8	10.0
52.5°	426.6	427.6	434.4	445.5	435.2	395.4	341.7	292.6	156.5	5.4	9.7
55°	385.4	387.2	393.6	400.4	392.9	359.9	308.7	267.5	103.5	5.0	9.0
57.5°	290.1	294.8	306.6	312.7	313.4	293.3	279.7	230.6	58.4	5.0	8.6
60°	266.5	260.4	255.0	242.5	231.0	228.5	229.9	173.0	21.5	4.7	8.2
62.5°	139.3	136.5	144.7	150.1	151.5	159.4	149.0	91.3	4.7	4.7	7.5
65°	14.3	14.3	17.5	23.3	38.7	51.6	49.1	26.5	3.2	4.3	6.8
67.5°	4.3	4.3	4.3	5.0	6.4	6.4	5.4	3.9	3.2	3.9	6.1
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.9	2.5	2.9	3.6	5.4
72.5°	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.5	2.5	3.2	4.7
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.1	2.5	3.6
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	2.1	2.9
80°	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.8	2.5
82.5°	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.4	1.8
85°	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.4
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	1.1
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):

	112.5°	135°	157.5°	180°
0°	39.0	39.0	39.0	39.0
2.5°	35.5	32.9	31.5	30.8
5°	32.2	29.0	27.9	27.6
7.5°	29.4	27.2	26.9	26.9
10°	27.6	26.1	26.5	26.5
12.5°	26.5	26.1	26.5	26.9
15°	25.4	25.8	26.5	26.5
17.5°	24.7	25.4	26.1	26.5
20°	23.6	25.1	26.1	26.1
22.5°	22.9	24.7	25.8	26.1
25°	22.2	24.0	25.4	26.1
27.5°	21.1	23.6	25.4	25.8
30°	20.1	22.9	25.1	26.1
32.5°	19.0	22.6	25.1	25.8
35°	18.3	22.2	25.1	25.8
37.5°	17.5	21.8	25.1	26.1
40°	17.2	21.5	24.7	26.1
42.5°	16.5	21.5	24.7	26.1
45°	16.1	21.1	24.7	26.1
47.5°	15.8	20.8	24.7	26.1
50°	15.0	20.4	24.4	26.1
52.5°	14.7	20.1	24.4	26.1
55°	14.0	19.7	24.0	25.8
57.5°	13.6	19.0	23.6	25.1
60°	12.9	18.3	22.9	24.4
62.5°	11.8	17.2	21.8	23.6
65°	10.7	15.8	20.8	22.2
67.5°	9.7	14.7	19.3	20.8
70°	8.6	13.3	17.5	19.0
72.5°	7.5	11.5	15.8	16.8
75°	6.4	9.7	13.3	14.7
77.5°	5.0	7.9	11.1	12.2
80°	3.9	6.4	8.6	9.3
82.5°	3.2	4.7	6.4	6.8
85°	2.1	2.9	3.9	4.7
87.5°	1.1	1.4	1.8	2.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)