

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: P1319465

Luminaire Tested: LDSQA3D17R709835DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709835DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

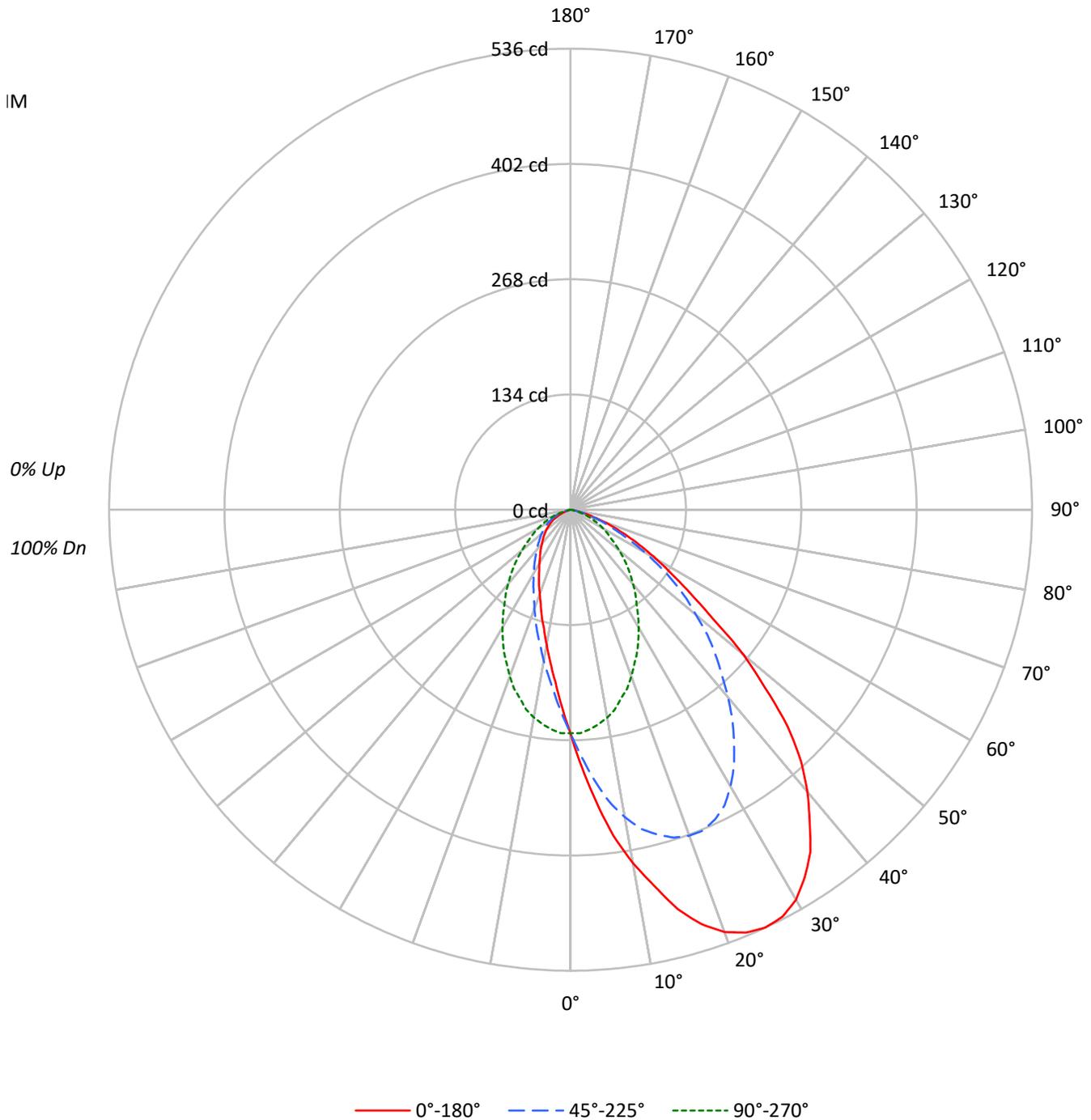
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 583.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44761	44761	44761	44761	44761
5°	58918	54475	44292	37100	34766
10°	72907	63464	42880	31303	27876
15°	85690	69732	40438	26459	22947
20°	95725	73933	37755	22470	19097
25°	101816	75479	34718	19345	16532
30°	104106	73879	31461	16824	14378
35°	102074	69591	28089	15201	12888
40°	96201	63939	25360	13782	11578
45°	86902	57943	22700	12543	10741
50°	70305	50907	19720	11816	9860
55°	51164	43808	16935	11050	8828
60°	39680	34617	15190	10127	8026
65°	29993	24981	12511	9006	5990
70°	20998	17926	9265	6798	3726
75°	12244	10580	4924	3261	799
80°	2479	3670	1190	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 86902 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	4.4
10°-20°	75.8	13.0
20°-30°	114.2	19.6
30°-40°	126.9	21.8
40°-50°	112.5	19.3
50°-60°	76.4	13.1
60°-70°	40.1	6.9
70°-80°	11.4	2.0
80°-90°	0.3	0.1
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°	215.4	36.9
0°-40°	342.3	58.7
0°-60°	531.2	91.1
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	260	260	260	260	260	
5°	341	315	256	215	201	35
15°	481	391	227	148	129	136
25°	536	397	183	102	87	246
35°	486	331	134	72	61	301
45°	357	238	93	52	44	270
55°	170	146	56	37	29	157
65°	74	61	31	22	15	74
75°	18	16	7	5	1	20
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9
2.5°	299.2	297.9	296.7	296.7	295.5	294.2	291.8	291.8	289.3	286.9	284.4
5°	340.8	340.8	340.8	337.2	337.2	332.3	329.8	324.9	320.0	315.1	309.0
7.5°	382.5	382.5	378.8	377.6	373.9	369.0	365.4	358.0	349.4	342.1	332.3
10°	416.9	416.9	413.2	410.7	403.4	398.5	391.1	382.5	373.9	362.9	350.6
12.5°	447.5	448.7	443.8	438.9	431.6	424.2	414.4	403.4	392.3	380.1	364.1
15°	480.6	479.4	473.3	467.1	458.5	447.5	435.2	420.5	405.8	391.1	373.9
17.5°	505.1	503.9	497.8	490.4	479.4	465.9	452.4	435.2	418.1	399.7	378.8
20°	522.3	521.1	514.9	505.1	494.1	479.4	463.4	443.8	425.4	403.4	380.1
22.5°	532.1	530.9	523.5	514.9	501.5	485.5	468.3	447.5	426.7	403.4	377.6
25°	535.8	533.3	526.0	516.2	502.7	485.5	465.9	443.8	421.8	397.2	370.3
27.5°	533.3	530.9	522.3	511.3	496.5	476.9	457.3	435.2	411.9	387.4	359.2
30°	523.5	519.8	512.5	501.5	485.5	465.9	445.1	421.8	397.2	371.5	343.3
32.5°	506.4	503.9	496.5	484.3	468.3	448.7	427.9	403.4	378.8	353.1	324.9
35°	485.5	480.6	473.3	462.2	446.3	426.7	405.8	380.1	356.8	331.0	304.1
37.5°	456.1	454.9	446.3	437.7	421.8	400.9	381.3	356.8	333.5	309.0	282.0
40°	427.9	425.4	418.1	408.3	392.3	373.9	353.1	331.0	307.7	284.4	259.9
42.5°	396.0	392.3	387.4	377.6	362.9	344.5	324.9	302.8	282.0	259.9	237.9
45°	356.8	355.6	349.4	344.5	331.0	315.1	295.5	275.9	255.0	237.9	220.7
47.5°	306.5	305.3	304.1	300.4	293.0	282.0	267.3	248.9	232.9	215.8	192.5
50°	262.4	261.1	258.7	257.5	251.3	245.2	234.2	223.1	209.7	190.0	171.6
52.5°	208.4	209.7	213.3	214.6	213.3	208.4	203.5	199.8	181.5	169.2	152.0
55°	170.4	170.4	169.2	170.4	171.6	174.1	174.1	169.2	156.9	145.9	131.2
57.5°	139.8	139.8	139.8	139.8	139.8	141.0	141.0	139.8	133.6	122.6	109.1
60°	115.2	114.0	114.0	115.2	114.0	114.0	115.2	115.2	109.1	100.5	88.3
62.5°	93.2	93.2	93.2	92.0	92.0	93.2	93.2	92.0	87.0	78.5	69.9
65°	73.6	73.6	73.6	73.6	73.6	74.8	73.6	72.3	67.4	61.3	55.2
67.5°	56.4	56.4	57.6	56.4	57.6	57.6	57.6	55.2	51.5	46.6	42.9
70°	41.7	41.7	41.7	42.9	44.1	44.1	42.9	40.5	38.0	35.6	31.9
72.5°	28.2	29.4	29.4	29.4	30.7	30.7	29.4	28.2	27.0	24.5	23.3
75°	18.4	17.2	18.4	18.4	19.6	19.6	18.4	18.4	17.2	15.9	14.7
77.5°	8.6	8.6	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.6	8.6
80°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9
2.5°	282.0	278.3	273.4	259.9	247.7	236.6	230.5	229.3
5°	301.6	296.7	284.4	256.2	232.9	214.6	203.5	201.1
7.5°	322.4	312.6	295.5	251.3	218.2	194.9	182.7	179.0
10°	338.4	326.1	302.8	245.2	203.5	179.0	164.3	159.4
12.5°	349.4	334.7	309.0	237.9	191.3	161.8	147.1	142.2
15°	355.6	339.6	310.2	226.8	176.5	148.4	132.4	128.7
17.5°	358.0	339.6	307.7	218.2	163.1	134.9	120.2	115.2
20°	356.8	334.7	301.6	206.0	150.8	122.6	107.9	104.2
22.5°	351.9	327.4	291.8	193.7	138.5	110.3	98.1	95.6
25°	344.5	317.5	280.8	182.7	127.5	101.8	89.5	87.0
27.5°	332.3	305.3	266.1	170.4	117.7	93.2	82.1	78.5
30°	316.3	290.6	251.3	158.2	107.9	84.6	74.8	72.3
32.5°	299.2	273.4	236.6	145.9	99.3	78.5	68.7	66.2
35°	279.5	255.0	218.2	133.6	90.7	72.3	62.5	61.3
37.5°	259.9	235.4	202.3	123.8	83.4	66.2	57.6	56.4
40°	237.9	218.2	193.7	112.8	77.2	61.3	53.9	51.5
42.5°	224.4	197.4	166.7	103.0	71.1	56.4	49.0	47.8
45°	194.9	175.3	150.8	93.2	65.0	51.5	45.4	44.1
47.5°	175.3	158.2	134.9	83.4	60.1	47.8	41.7	40.5
50°	155.7	139.8	117.7	73.6	55.2	44.1	38.0	36.8
52.5°	136.1	120.2	100.5	65.0	49.0	40.5	34.3	33.1
55°	116.5	101.8	83.4	56.4	44.1	36.8	31.9	29.4
57.5°	95.6	83.4	71.1	50.3	39.2	33.1	28.2	25.7
60°	77.2	69.9	60.1	44.1	34.3	29.4	24.5	23.3
62.5°	62.5	56.4	50.3	38.0	30.7	25.7	22.1	18.4
65°	50.3	46.6	41.7	30.7	25.7	22.1	18.4	14.7
67.5°	39.2	36.8	33.1	25.7	20.8	18.4	13.5	11.0
70°	30.7	28.2	25.7	18.4	15.9	13.5	9.8	7.4
72.5°	22.1	19.6	18.4	13.5	11.0	9.8	6.1	3.7
75°	13.5	13.5	11.0	7.4	6.1	4.9	2.5	1.2
77.5°	7.4	7.4	6.1	3.7	3.7	1.2	0.0	0.0
80°	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0
82.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)