

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: P1318589

Luminaire Tested: LDSQA3D17R709830DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318589
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: LDSQA3D17R709830DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

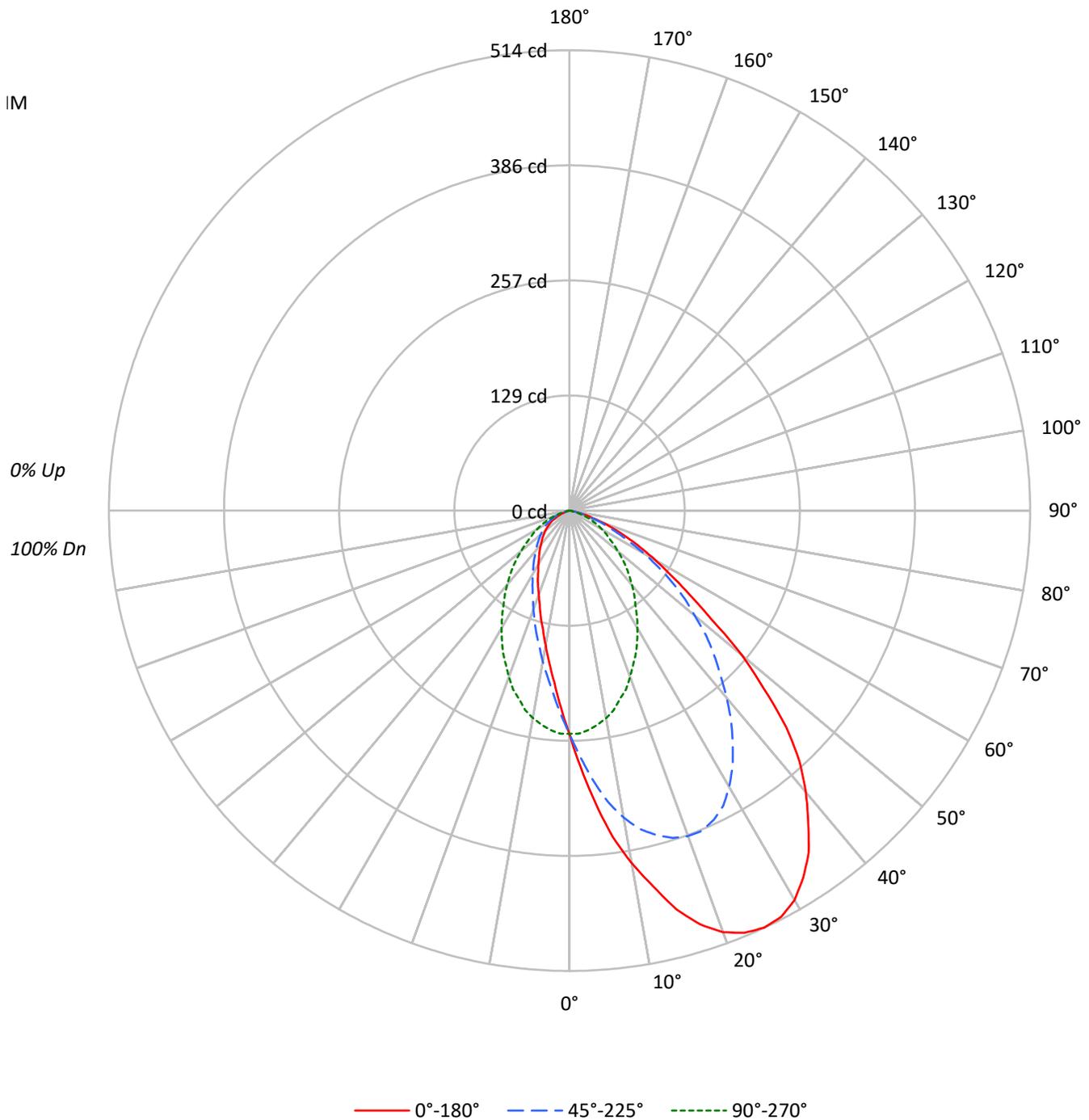
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 559.0 lumens
Efficiency: N/A
Efficacy: 27.4 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				
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°	42918	42918	42918	42918	42918
5°	56497	52227	42477	35562	33331
10°	69899	60858	41114	30009	26722
15°	82160	66862	38780	25354	22002
20°	91784	70891	36197	21553	18309
25°	97617	72381	33293	18547	15867
30°	99831	70836	30148	16128	13801
35°	97869	66732	26932	14591	12362
40°	92244	61309	24326	13219	11106
45°	83322	55556	21750	12032	10303
50°	67411	48817	18889	11333	9458
55°	49063	42007	16244	10599	8467
60°	38061	33205	14570	9713	7681
65°	28730	23962	11981	8639	5746
70°	20142	17171	8862	6496	3575
75°	11711	10181	4724	3127	799
80°	2380	3471	1190	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83322 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	4.4
10°-20°	72.7	13.0
20°-30°	109.5	19.6
30°-40°	121.7	21.8
40°-50°	107.9	19.3
50°-60°	73.2	13.1
60°-70°	38.4	6.9
70°-80°	10.9	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°	206.5	36.9
0°-40°	328.3	58.7
0°-60°	509.4	91.1
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	249	249	249	249	249	
5°	327	302	246	206	193	33
15°	461	375	218	142	123	131
25°	514	381	175	98	84	236
35°	466	317	128	69	59	289
45°	342	228	89	49	42	259
55°	163	140	54	35	28	151
65°	70	59	29	21	14	71
75°	18	15	7	5	1	19
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°	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2
2.5°	286.8	285.7	284.5	284.5	283.3	282.1	279.8	279.8	277.4	275.1	272.7
5°	326.8	326.8	326.8	323.3	323.3	318.6	316.2	311.5	306.8	302.1	296.2
7.5°	366.8	366.8	363.3	362.1	358.5	353.8	350.3	343.3	335.0	328.0	318.6
10°	399.7	399.7	396.2	393.8	386.8	382.1	375.0	366.8	358.5	348.0	336.2
12.5°	429.1	430.3	425.6	420.9	413.8	406.7	397.3	386.8	376.2	364.4	349.1
15°	460.8	459.6	453.8	447.9	439.7	429.1	417.3	403.2	389.1	375.0	358.5
17.5°	484.3	483.2	477.3	470.2	459.6	446.7	433.8	417.3	400.9	383.2	363.3
20°	500.8	499.6	493.7	484.3	473.8	459.6	444.4	425.6	407.9	386.8	364.4
22.5°	510.2	509.0	502.0	493.7	480.8	465.5	449.1	429.1	409.1	386.8	362.1
25°	513.7	511.4	504.3	494.9	482.0	465.5	446.7	425.6	404.4	380.9	355.0
27.5°	511.4	509.0	500.8	490.2	476.1	457.3	438.5	417.3	395.0	371.5	344.4
30°	502.0	498.4	491.4	480.8	465.5	446.7	426.7	404.4	380.9	356.2	329.2
32.5°	485.5	483.2	476.1	464.3	449.1	430.3	410.3	386.8	363.3	338.6	311.5
35°	465.5	460.8	453.8	443.2	427.9	409.1	389.1	364.4	342.1	317.4	291.5
37.5°	437.3	436.1	427.9	419.7	404.4	384.4	365.6	342.1	319.8	296.2	270.4
40°	410.3	407.9	400.9	391.5	376.2	358.5	338.6	317.4	295.1	272.7	249.2
42.5°	379.7	376.2	371.5	362.1	348.0	330.3	311.5	290.4	270.4	249.2	228.1
45°	342.1	340.9	335.0	330.3	317.4	302.1	283.3	264.5	244.5	228.1	211.6
47.5°	293.9	292.7	291.5	288.0	281.0	270.4	256.3	238.6	223.4	206.9	184.6
50°	251.6	250.4	248.0	246.9	241.0	235.1	224.5	214.0	201.0	182.2	164.6
52.5°	199.8	201.0	204.5	205.7	204.5	199.8	195.1	191.6	174.0	162.2	145.8
55°	163.4	163.4	162.2	163.4	164.6	166.9	166.9	162.2	150.5	139.9	125.8
57.5°	134.0	134.0	134.0	134.0	134.0	135.2	135.2	134.0	128.1	117.6	104.6
60°	110.5	109.3	109.3	110.5	109.3	109.3	110.5	110.5	104.6	96.4	84.6
62.5°	89.3	89.3	89.3	88.2	88.2	89.3	89.3	88.2	83.5	75.2	67.0
65°	70.5	70.5	70.5	70.5	70.5	71.7	70.5	69.4	64.7	58.8	52.9
67.5°	54.1	54.1	55.3	54.1	55.3	55.3	55.3	52.9	49.4	44.7	41.1
70°	40.0	40.0	40.0	41.1	42.3	42.3	41.1	38.8	36.4	34.1	30.6
72.5°	27.0	28.2	28.2	28.2	29.4	29.4	28.2	27.0	25.9	23.5	22.3
75°	17.6	16.5	17.6	17.6	18.8	18.8	17.6	17.6	16.5	15.3	14.1
77.5°	8.2	8.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4	8.2	8.2
80°	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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°	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2
2.5°	270.4	266.9	262.2	249.2	237.5	226.9	221.0	219.8
5°	289.2	284.5	272.7	245.7	223.4	205.7	195.1	192.8
7.5°	309.2	299.8	283.3	241.0	209.3	186.9	175.2	171.6
10°	324.5	312.7	290.4	235.1	195.1	171.6	157.5	152.8
12.5°	335.0	320.9	296.2	228.1	183.4	155.2	141.1	136.4
15°	340.9	325.6	297.4	217.5	169.3	142.2	127.0	123.4
17.5°	343.3	325.6	295.1	209.3	156.4	129.3	115.2	110.5
20°	342.1	320.9	289.2	197.5	144.6	117.6	103.5	99.9
22.5°	337.4	313.9	279.8	185.7	132.8	105.8	94.0	91.7
25°	330.3	304.5	269.2	175.2	122.3	97.6	85.8	83.5
27.5°	318.6	292.7	255.1	163.4	112.9	89.3	78.8	75.2
30°	303.3	278.6	241.0	151.6	103.5	81.1	71.7	69.4
32.5°	286.8	262.2	226.9	139.9	95.2	75.2	65.8	63.5
35°	268.0	244.5	209.3	128.1	87.0	69.4	60.0	58.8
37.5°	249.2	225.7	194.0	118.7	79.9	63.5	55.3	54.1
40°	228.1	209.3	185.7	108.2	74.1	58.8	51.7	49.4
42.5°	215.1	189.3	159.9	98.7	68.2	54.1	47.0	45.8
45°	186.9	168.1	144.6	89.3	62.3	49.4	43.5	42.3
47.5°	168.1	151.6	129.3	79.9	57.6	45.8	40.0	38.8
50°	149.3	134.0	112.9	70.5	52.9	42.3	36.4	35.3
52.5°	130.5	115.2	96.4	62.3	47.0	38.8	32.9	31.7
55°	111.7	97.6	79.9	54.1	42.3	35.3	30.6	28.2
57.5°	91.7	79.9	68.2	48.2	37.6	31.7	27.0	24.7
60°	74.1	67.0	57.6	42.3	32.9	28.2	23.5	22.3
62.5°	60.0	54.1	48.2	36.4	29.4	24.7	21.2	17.6
65°	48.2	44.7	40.0	29.4	24.7	21.2	17.6	14.1
67.5°	37.6	35.3	31.7	24.7	20.0	17.6	12.9	10.6
70°	29.4	27.0	24.7	17.6	15.3	12.9	9.4	7.1
72.5°	21.2	18.8	17.6	12.9	10.6	9.4	5.9	3.5
75°	12.9	12.9	10.6	7.1	5.9	4.7	2.4	1.2
77.5°	7.1	7.1	5.9	3.5	3.5	1.2	0.0	0.0
80°	3.5	2.4	2.4	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)