

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: P1319467

Luminaire Tested: LDSQA3D17R709835DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709835DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

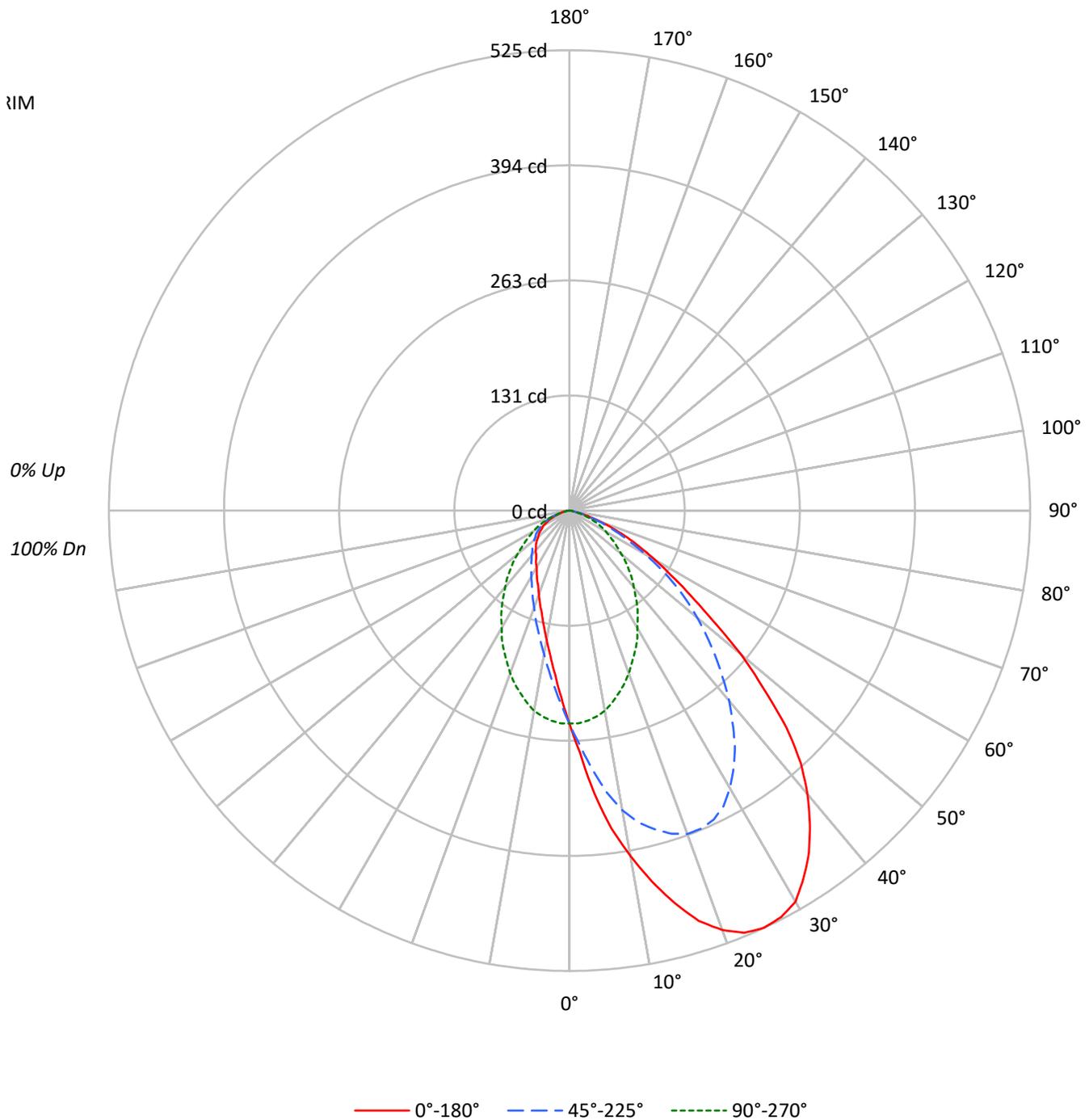
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 29.1 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41816	41816	41816	41816	41816
5°	55961	51086	41543	34766	32432
10°	69899	60683	40537	29170	26162
15°	82641	67111	38477	24926	21645
20°	93269	71917	36179	21572	18657
25°	99726	73863	33559	19098	16551
30°	102416	72665	30725	17321	14875
35°	100035	69087	28362	15979	13918
40°	94829	63692	25630	15153	13512
45°	85124	57334	23284	14638	13152
50°	68349	50934	20711	14120	12486
55°	50444	43808	18406	13992	12161
60°	38853	34203	16464	13502	11814
65°	29463	25470	14507	12511	10514
70°	19739	17926	11128	11128	8661
75°	10580	10580	7320	7320	6521
80°	2479	4860	3670	4860	6050
85°	0	2371	2371	4940	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 85124 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	4.0
10°-20°	72.8	12.3
20°-30°	112.2	18.9
30°-40°	127.3	21.5
40°-50°	115.2	19.4
50°-60°	80.6	13.6
60°-70°	44.3	7.5
70°-80°	14.8	2.5
80°-90°	2.0	0.3
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°	208.9	35.2
0°-40°	336.2	56.7
0°-60°	532.0	89.7
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	243	243	243	243	243	
5°	324	296	240	201	188	33
15°	464	376	216	140	121	132
25°	525	389	177	100	87	241
35°	476	329	135	76	66	296
45°	350	235	96	60	54	265
55°	168	146	61	47	40	154
65°	72	62	36	31	26	72
75°	16	16	11	11	10	18
85°	0	1	1	2	2	1
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°	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8
2.5°	277.1	279.6	280.8	278.4	277.1	275.9	273.4	272.2	269.8	267.3	266.1
5°	323.7	323.7	323.7	321.3	317.6	315.1	310.2	306.6	300.4	295.5	290.6
7.5°	365.4	365.4	364.2	360.5	358.1	351.9	345.8	340.9	331.1	323.7	313.9
10°	399.7	399.7	398.5	392.4	388.7	381.4	375.2	366.6	356.8	347.0	336.0
12.5°	432.9	432.9	427.9	423.0	415.7	405.9	397.3	388.7	375.2	364.2	350.7
15°	463.5	463.5	461.1	452.5	442.7	431.6	419.4	407.1	391.2	376.4	361.7
17.5°	490.5	489.3	485.6	475.8	466.0	452.5	437.8	423.0	403.4	386.3	367.9
20°	508.9	508.9	504.0	492.9	481.9	467.2	451.2	434.1	413.2	392.4	370.3
22.5°	521.1	519.9	515.0	504.0	490.5	475.8	457.4	439.0	415.7	392.4	369.1
25°	524.8	523.6	518.7	506.4	492.9	477.0	457.4	437.8	413.2	388.7	363.0
27.5°	522.4	521.1	516.2	502.7	489.3	470.9	451.2	430.4	405.9	380.1	354.4
30°	515.0	511.3	506.4	494.2	479.5	461.1	440.2	416.9	392.4	365.4	339.7
32.5°	496.6	496.6	490.5	478.2	463.5	443.9	423.0	401.0	374.0	348.2	321.3
35°	475.8	474.5	469.6	456.2	442.7	424.3	403.4	380.1	354.4	328.6	302.9
37.5°	450.0	448.8	443.9	431.6	416.9	399.7	377.7	355.6	331.1	305.3	282.0
40°	421.8	419.4	413.2	403.4	391.2	371.5	351.9	329.9	306.6	283.3	260.0
42.5°	389.9	387.5	382.6	375.2	360.5	343.3	324.9	304.1	282.0	258.7	241.6
45°	349.5	349.5	347.0	339.7	328.6	315.1	295.5	277.1	256.3	235.4	217.0
47.5°	299.2	301.6	300.4	296.7	291.8	279.6	266.1	250.1	230.5	212.1	195.0
50°	255.1	256.3	257.5	255.1	251.4	242.8	234.2	224.4	207.2	190.1	174.1
52.5°	204.8	208.5	208.5	209.7	209.7	207.2	204.8	193.7	185.2	168.0	153.3
55°	168.0	168.0	168.0	170.4	171.7	172.9	170.4	168.0	158.2	145.9	132.4
57.5°	137.3	137.3	139.8	138.6	138.6	141.0	141.0	139.8	133.7	122.6	110.4
60°	112.8	112.8	112.8	112.8	114.0	114.0	114.0	114.0	109.1	99.3	89.5
62.5°	90.7	90.7	90.7	92.0	92.0	92.0	93.2	92.0	87.1	79.7	71.1
65°	72.3	71.1	72.3	72.3	73.6	73.6	73.6	72.3	67.4	62.5	56.4
67.5°	54.0	55.2	55.2	55.2	56.4	57.6	56.4	55.2	51.5	46.6	44.1
70°	39.2	40.5	40.5	40.5	41.7	42.9	41.7	40.5	38.0	35.6	33.1
72.5°	25.8	27.0	27.0	28.2	29.4	29.4	28.2	28.2	27.0	24.5	23.3
75°	15.9	15.9	17.2	17.2	18.4	18.4	18.4	17.2	17.2	15.9	15.9
77.5°	7.4	7.4	8.6	8.6	8.6	9.8	9.8	9.8	9.8	9.8	8.6
80°	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7	4.9	4.9	4.9
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8
2.5°	263.6	260.0	255.1	242.8	230.5	220.7	214.6	213.4
5°	284.5	278.4	267.3	240.3	218.3	201.1	191.3	187.6
7.5°	305.3	294.3	278.4	236.7	203.6	182.7	171.7	166.8
10°	322.5	309.0	288.2	231.8	191.3	166.8	153.3	149.6
12.5°	336.0	320.0	294.3	224.4	179.0	152.1	138.6	134.9
15°	344.6	327.4	298.0	215.8	166.8	139.8	126.3	121.4
17.5°	348.2	327.4	296.7	207.2	155.7	128.8	115.3	111.6
20°	348.2	324.9	293.1	197.4	144.7	117.7	105.5	101.8
22.5°	344.6	320.0	284.5	186.4	134.9	109.1	96.9	93.2
25°	337.2	310.2	274.7	176.6	125.1	100.5	89.5	87.1
27.5°	326.2	299.2	262.4	166.8	116.5	93.2	83.4	80.9
30°	312.7	285.7	248.9	154.5	107.9	87.1	78.5	74.8
32.5°	295.5	269.8	234.2	144.7	100.5	80.9	73.6	71.1
35°	277.1	253.8	218.3	134.9	93.2	76.0	68.7	66.2
37.5°	258.7	234.2	204.8	123.8	87.1	71.1	65.0	62.5
40°	239.1	220.7	190.1	114.0	82.2	67.4	61.3	60.1
42.5°	219.5	199.9	169.2	105.5	76.0	62.5	57.6	56.4
45°	196.2	177.8	153.3	95.6	71.1	60.1	55.2	54.0
47.5°	176.6	159.4	137.3	87.1	66.2	56.4	51.5	50.3
50°	158.2	141.0	120.2	77.3	61.3	52.7	49.0	46.6
52.5°	137.3	122.6	104.2	68.7	56.4	49.0	45.4	44.1
55°	118.9	104.2	87.1	61.3	51.5	46.6	41.7	40.5
57.5°	98.1	85.8	73.6	54.0	46.6	41.7	39.2	36.8
60°	79.7	71.1	62.5	47.8	41.7	39.2	35.6	34.3
62.5°	65.0	58.9	52.7	41.7	36.8	34.3	31.9	29.4
65°	51.5	47.8	42.9	35.6	31.9	30.7	28.2	25.8
67.5°	40.5	38.0	34.3	28.2	27.0	25.8	23.3	20.8
70°	30.7	29.4	27.0	22.1	20.8	22.1	19.6	17.2
72.5°	22.1	20.8	19.6	15.9	15.9	15.9	14.7	12.3
75°	14.7	13.5	12.3	11.0	11.0	11.0	11.0	9.8
77.5°	8.6	8.6	7.4	6.1	7.4	7.4	8.6	8.6
80°	3.7	3.7	3.7	3.7	4.9	4.9	6.1	6.1
82.5°	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)