

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: P1312951

Luminaire Tested: LDSQA3D20R709050D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312951
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: LDSQA3D20R709050D010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

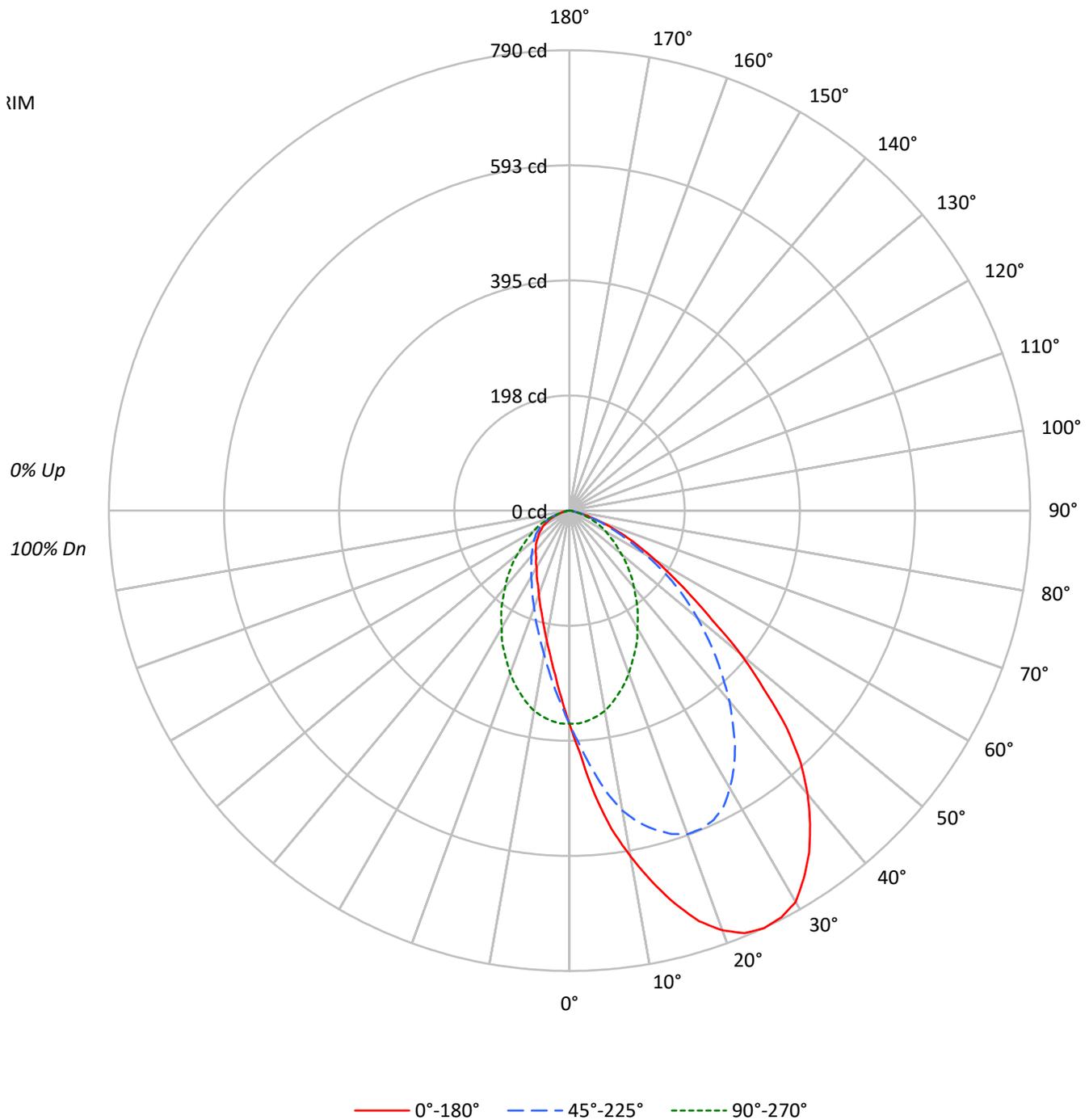
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 893.0 lumens
Efficiency: N/A
Efficacy: 31.0 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): 28.8
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	62965	62965	62965	62965	62965
5°	84279	76932	62565	52348	48839
10°	105277	91392	61033	43912	39400
15°	124452	101077	57947	37532	32593
20°	140444	108297	54488	32495	28096
25°	150178	111242	50528	28770	24912
30°	154240	109436	46276	26071	22392
35°	150641	104050	42701	24073	20961
40°	142806	95909	38602	22842	20346
45°	128185	86342	35073	22042	19777
50°	102912	76682	31160	21274	18809
55°	75966	65967	27714	21078	18286
60°	58521	51529	24800	20357	17808
65°	44378	38388	21843	18827	15812
70°	29760	26990	16718	16718	13042
75°	15970	15970	11046	11046	9848
80°	3670	7339	5455	7339	9124
85°	0	3557	3557	7311	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 128185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	4.0
10°-20°	109.6	12.3
20°-30°	168.9	18.9
30°-40°	191.7	21.5
40°-50°	173.5	19.4
50°-60°	121.3	13.6
60°-70°	66.7	7.5
70°-80°	22.3	2.5
80°-90°	2.9	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°	314.6	35.2
0°-40°	506.3	56.7
0°-60°	801.1	89.7
0°-90°	893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	893.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	366	366	366	366	366	
5°	488	445	362	303	282	50
15°	698	567	325	210	183	199
25°	790	585	266	151	131	363
35°	716	495	203	114	100	445
45°	526	354	144	90	81	399
55°	253	220	92	70	61	233
65°	109	94	54	46	39	109
75°	24	24	17	17	15	28
85°	0	2	2	4	4	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°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	417.3	421.0	422.9	419.2	417.3	415.5	411.8	409.9	406.2	402.6	400.7
5°	487.5	487.5	487.5	483.8	478.3	474.6	467.2	461.6	452.4	445.0	437.6
7.5°	550.3	550.3	548.4	542.9	539.2	530.0	520.7	513.3	498.6	487.5	472.7
10°	602.0	602.0	600.1	590.9	585.4	574.3	565.0	552.1	537.3	522.6	506.0
12.5°	651.8	651.8	644.4	637.1	626.0	611.2	598.3	585.4	565.0	548.4	528.1
15°	698.0	698.0	694.3	681.4	666.6	650.0	631.5	613.1	589.1	566.9	544.7
17.5°	738.6	736.8	731.2	716.5	701.7	681.4	659.2	637.1	607.5	581.7	554.0
20°	766.3	766.3	758.9	742.3	725.7	703.5	679.5	653.7	622.3	590.9	557.7
22.5°	784.8	782.9	775.6	758.9	738.6	716.5	688.8	661.1	626.0	590.9	555.8
25°	790.3	788.5	781.1	762.6	742.3	718.3	688.8	659.2	622.3	585.4	546.6
27.5°	786.6	784.8	777.4	757.1	736.8	709.1	679.5	648.1	611.2	572.4	533.7
30°	775.6	770.0	762.6	744.2	722.0	694.3	662.9	627.8	590.9	550.3	511.5
32.5°	747.9	747.9	738.6	720.2	698.0	668.5	637.1	603.8	563.2	524.4	483.8
35°	716.5	714.6	707.2	686.9	666.6	638.9	607.5	572.4	533.7	494.9	456.1
37.5°	677.7	675.8	668.5	650.0	627.8	602.0	568.7	535.5	498.6	459.8	424.7
40°	635.2	631.5	622.3	607.5	589.1	559.5	530.0	496.7	461.6	426.6	391.5
42.5°	587.2	583.5	576.1	565.0	542.9	517.0	489.3	457.9	424.7	389.6	363.8
45°	526.3	526.3	522.6	511.5	494.9	474.6	445.0	417.3	385.9	354.5	326.8
47.5°	450.6	454.3	452.4	446.9	439.5	421.0	400.7	376.7	347.2	319.5	293.6
50°	384.1	385.9	387.8	384.1	378.5	365.6	352.7	337.9	312.1	286.2	262.2
52.5°	308.4	313.9	313.9	315.8	315.8	312.1	308.4	291.8	278.8	253.0	230.8
55°	253.0	253.0	253.0	256.7	258.5	260.4	256.7	253.0	238.2	219.7	199.4
57.5°	206.8	206.8	210.5	208.7	208.7	212.4	212.4	210.5	201.3	184.7	166.2
60°	169.9	169.9	169.9	169.9	171.7	171.7	171.7	171.7	164.3	149.6	134.8
62.5°	136.6	136.6	136.6	138.5	138.5	138.5	140.3	138.5	131.1	120.0	107.1
65°	108.9	107.1	108.9	108.9	110.8	110.8	110.8	108.9	101.6	94.2	84.9
67.5°	81.2	83.1	83.1	83.1	84.9	86.8	84.9	83.1	77.6	70.2	66.5
70°	59.1	60.9	60.9	60.9	62.8	64.6	62.8	60.9	57.2	53.6	49.9
72.5°	38.8	40.6	40.6	42.5	44.3	44.3	42.5	42.5	40.6	36.9	35.1
75°	24.0	24.0	25.9	25.9	27.7	27.7	27.7	25.9	25.9	24.0	24.0
77.5°	11.1	11.1	12.9	12.9	12.9	14.8	14.8	14.8	14.8	14.8	12.9
80°	3.7	3.7	3.7	3.7	3.7	5.5	5.5	5.5	7.4	7.4	7.4
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	3.7	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	397.0	391.5	384.1	365.6	347.2	332.4	323.1	321.3
5°	428.4	419.2	402.6	361.9	328.7	302.8	288.1	282.5
7.5°	459.8	443.2	419.2	356.4	306.5	275.1	258.5	251.1
10°	485.6	465.3	433.9	349.0	288.1	251.1	230.8	225.3
12.5°	506.0	482.0	443.2	337.9	269.6	229.0	208.7	203.1
15°	518.9	493.0	448.7	325.0	251.1	210.5	190.2	182.8
17.5°	524.4	493.0	446.9	312.1	234.5	193.9	173.6	168.0
20°	524.4	489.3	441.3	297.3	217.9	177.3	158.8	153.3
22.5°	518.9	482.0	428.4	280.7	203.1	164.3	145.9	140.3
25°	507.8	467.2	413.6	265.9	188.3	151.4	134.8	131.1
27.5°	491.2	450.6	395.2	251.1	175.4	140.3	125.6	121.9
30°	470.9	430.2	374.9	232.7	162.5	131.1	118.2	112.6
32.5°	445.0	406.2	352.7	217.9	151.4	121.9	110.8	107.1
35°	417.3	382.2	328.7	203.1	140.3	114.5	103.4	99.7
37.5°	389.6	352.7	308.4	186.5	131.1	107.1	97.9	94.2
40°	360.1	332.4	286.2	171.7	123.7	101.6	92.3	90.5
42.5°	330.5	301.0	254.8	158.8	114.5	94.2	86.8	84.9
45°	295.4	267.8	230.8	144.0	107.1	90.5	83.1	81.2
47.5°	265.9	240.1	206.8	131.1	99.7	84.9	77.6	75.7
50°	238.2	212.4	181.0	116.3	92.3	79.4	73.9	70.2
52.5°	206.8	184.7	157.0	103.4	84.9	73.9	68.3	66.5
55°	179.1	157.0	131.1	92.3	77.6	70.2	62.8	60.9
57.5°	147.7	129.3	110.8	81.2	70.2	62.8	59.1	55.4
60°	120.0	107.1	94.2	72.0	62.8	59.1	53.6	51.7
62.5°	97.9	88.6	79.4	62.8	55.4	51.7	48.0	44.3
65°	77.6	72.0	64.6	53.6	48.0	46.2	42.5	38.8
67.5°	60.9	57.2	51.7	42.5	40.6	38.8	35.1	31.4
70°	46.2	44.3	40.6	33.2	31.4	33.2	29.5	25.9
72.5°	33.2	31.4	29.5	24.0	24.0	24.0	22.2	18.5
75°	22.2	20.3	18.5	16.6	16.6	16.6	16.6	14.8
77.5°	12.9	12.9	11.1	9.2	11.1	11.1	12.9	12.9
80°	5.5	5.5	5.5	5.5	7.4	7.4	9.2	9.2
82.5°	3.7	3.7	3.7	3.7	5.5	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	1.8	3.7	3.7	3.7
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)