

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: P1308049

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308049
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: LDSQA3D09R709027DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

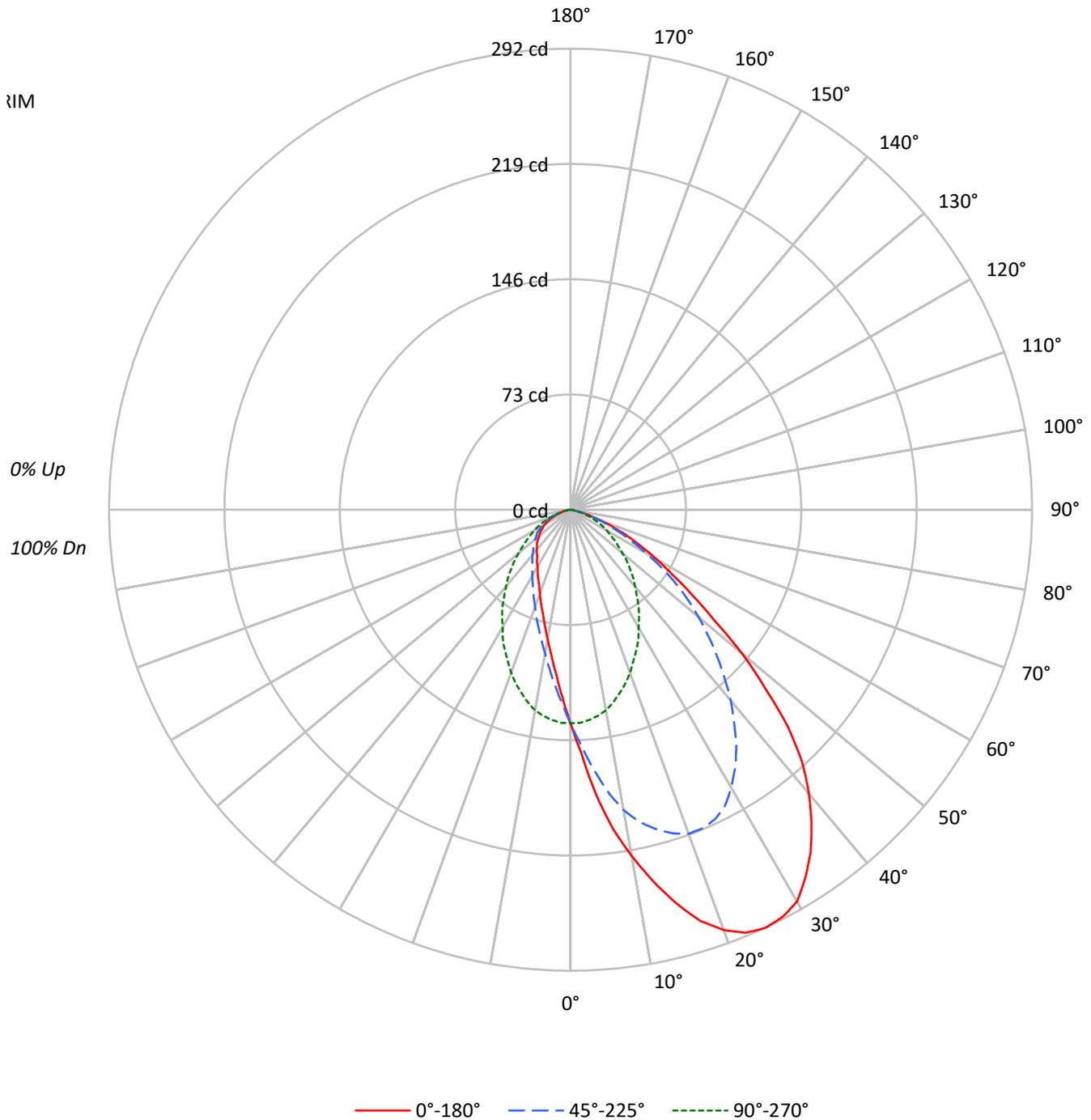
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 330.0 lumens
Efficiency: N/A
Efficacy: 29.7 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): 11.1
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	
RW	70	50	30	10	70	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°	23267	23267	23267	23267	23267
5°	31136	28439	23114	19345	18049
10°	38911	33769	22559	16229	14567
15°	45983	37353	21414	13872	12053
20°	51904	40027	20142	12005	10373
25°	55507	41103	18680	10641	9197
30°	56995	40429	17102	9625	8273
35°	55673	38454	15789	8893	7737
40°	52765	35432	14276	8431	7509
45°	47372	31906	12957	8135	7307
50°	38019	28347	11521	7850	6939
55°	28074	24381	10239	7777	6756
60°	21631	19048	9162	7509	6579
65°	16423	14181	8069	6968	5827
70°	10977	9970	6194	6194	4834
75°	5922	5922	4059	4059	3660
80°	1389	2678	1984	2678	3372
85°	0	1383	1383	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 47372 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	4.0
10°-20°	40.5	12.3
20°-30°	62.4	18.9
30°-40°	70.8	21.5
40°-50°	64.1	19.4
50°-60°	44.8	13.6
60°-70°	24.6	7.5
70°-80°	8.2	2.5
80°-90°	1.1	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°	116.3	35.2
0°-40°	187.1	56.7
0°-60°	296.0	89.7
0°-90°	330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	330.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	135	135	135	135	135	
5°	180	164	134	112	104	18
15°	258	210	120	78	68	74
25°	292	216	98	56	48	134
35°	265	183	75	42	37	165
45°	194	131	53	33	30	147
55°	94	81	34	26	22	86
65°	40	35	20	17	14	40
75°	9	9	6	6	6	10
85°	0	1	1	1	1	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°	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1
2.5°	154.2	155.6	156.3	154.9	154.2	153.5	152.2	151.5	150.1	148.8	148.1
5°	180.1	180.1	180.1	178.8	176.7	175.4	172.6	170.6	167.2	164.5	161.7
7.5°	203.3	203.3	202.7	200.6	199.3	195.8	192.4	189.7	184.2	180.1	174.7
10°	222.5	222.5	221.8	218.4	216.3	212.2	208.8	204.0	198.6	193.1	187.0
12.5°	240.9	240.9	238.2	235.4	231.3	225.9	221.1	216.3	208.8	202.7	195.2
15°	257.9	257.9	256.6	251.8	246.3	240.2	233.4	226.6	217.7	209.5	201.3
17.5°	273.0	272.3	270.2	264.8	259.3	251.8	243.6	235.4	224.5	214.9	204.7
20°	283.2	283.2	280.5	274.3	268.2	260.0	251.1	241.6	230.0	218.4	206.1
22.5°	290.0	289.3	286.6	280.5	273.0	264.8	254.5	244.3	231.3	218.4	205.4
25°	292.1	291.4	288.6	281.8	274.3	265.4	254.5	243.6	230.0	216.3	202.0
27.5°	290.7	290.0	287.3	279.8	272.3	262.0	251.1	239.5	225.9	211.5	197.2
30°	286.6	284.6	281.8	275.0	266.8	256.6	245.0	232.0	218.4	203.3	189.0
32.5°	276.4	276.4	273.0	266.1	257.9	247.0	235.4	223.1	208.1	193.8	178.8
35°	264.8	264.1	261.4	253.8	246.3	236.1	224.5	211.5	197.2	182.9	168.5
37.5°	250.4	249.8	247.0	240.2	232.0	222.5	210.2	197.9	184.2	169.9	156.9
40°	234.7	233.4	230.0	224.5	217.7	206.8	195.8	183.6	170.6	157.6	144.7
42.5°	217.0	215.6	212.9	208.8	200.6	191.1	180.8	169.2	156.9	144.0	134.4
45°	194.5	194.5	193.1	189.0	182.9	175.4	164.5	154.2	142.6	131.0	120.8
47.5°	166.5	167.9	167.2	165.1	162.4	155.6	148.1	139.2	128.3	118.1	108.5
50°	141.9	142.6	143.3	141.9	139.9	135.1	130.3	124.9	115.3	105.8	96.9
52.5°	114.0	116.0	116.0	116.7	116.7	115.3	114.0	107.8	103.0	93.5	85.3
55°	93.5	93.5	93.5	94.9	95.5	96.2	94.9	93.5	88.0	81.2	73.7
57.5°	76.4	76.4	77.8	77.1	77.1	78.5	78.5	77.8	74.4	68.2	61.4
60°	62.8	62.8	62.8	62.8	63.5	63.5	63.5	63.5	60.7	55.3	49.8
62.5°	50.5	50.5	50.5	51.2	51.2	51.2	51.9	51.2	48.4	44.4	39.6
65°	40.3	39.6	40.3	40.3	40.9	40.9	40.9	40.3	37.5	34.8	31.4
67.5°	30.0	30.7	30.7	30.7	31.4	32.1	31.4	30.7	28.7	25.9	24.6
70°	21.8	22.5	22.5	22.5	23.2	23.9	23.2	22.5	21.2	19.8	18.4
72.5°	14.3	15.0	15.0	15.7	16.4	16.4	15.7	15.7	15.0	13.6	13.0
75°	8.9	8.9	9.6	9.6	10.2	10.2	10.2	9.6	9.6	8.9	8.9
77.5°	4.1	4.1	4.8	4.8	4.8	5.5	5.5	5.5	5.5	5.5	4.8
80°	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.7	2.7	2.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1
2.5°	146.7	144.7	141.9	135.1	128.3	122.8	119.4	118.7
5°	158.3	154.9	148.8	133.7	121.5	111.9	106.5	104.4
7.5°	169.9	163.8	154.9	131.7	113.3	101.7	95.5	92.8
10°	179.5	172.0	160.4	129.0	106.5	92.8	85.3	83.3
12.5°	187.0	178.1	163.8	124.9	99.6	84.6	77.1	75.1
15°	191.7	182.2	165.8	120.1	92.8	77.8	70.3	67.6
17.5°	193.8	182.2	165.1	115.3	86.7	71.6	64.1	62.1
20°	193.8	180.8	163.1	109.9	80.5	65.5	58.7	56.6
22.5°	191.7	178.1	158.3	103.7	75.1	60.7	53.9	51.9
25°	187.7	172.6	152.9	98.3	69.6	56.0	49.8	48.4
27.5°	181.5	166.5	146.0	92.8	64.8	51.9	46.4	45.0
30°	174.0	159.0	138.5	86.0	60.0	48.4	43.7	41.6
32.5°	164.5	150.1	130.3	80.5	56.0	45.0	40.9	39.6
35°	154.2	141.3	121.5	75.1	51.9	42.3	38.2	36.8
37.5°	144.0	130.3	114.0	68.9	48.4	39.6	36.2	34.8
40°	133.1	122.8	105.8	63.5	45.7	37.5	34.1	33.4
42.5°	122.1	111.2	94.2	58.7	42.3	34.8	32.1	31.4
45°	109.2	98.9	85.3	53.2	39.6	33.4	30.7	30.0
47.5°	98.3	88.7	76.4	48.4	36.8	31.4	28.7	28.0
50°	88.0	78.5	66.9	43.0	34.1	29.3	27.3	25.9
52.5°	76.4	68.2	58.0	38.2	31.4	27.3	25.2	24.6
55°	66.2	58.0	48.4	34.1	28.7	25.9	23.2	22.5
57.5°	54.6	47.8	40.9	30.0	25.9	23.2	21.8	20.5
60°	44.4	39.6	34.8	26.6	23.2	21.8	19.8	19.1
62.5°	36.2	32.8	29.3	23.2	20.5	19.1	17.7	16.4
65°	28.7	26.6	23.9	19.8	17.7	17.1	15.7	14.3
67.5°	22.5	21.2	19.1	15.7	15.0	14.3	13.0	11.6
70°	17.1	16.4	15.0	12.3	11.6	12.3	10.9	9.6
72.5°	12.3	11.6	10.9	8.9	8.9	8.9	8.2	6.8
75°	8.2	7.5	6.8	6.1	6.1	6.1	6.1	5.5
77.5°	4.8	4.8	4.1	3.4	4.1	4.1	4.8	4.8
80°	2.0	2.0	2.0	2.0	2.7	2.7	3.4	3.4
82.5°	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)