

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: P1310128

Luminaire Tested: LDSQA3D05R709035DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310128
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: LDSQA3D05R709035DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

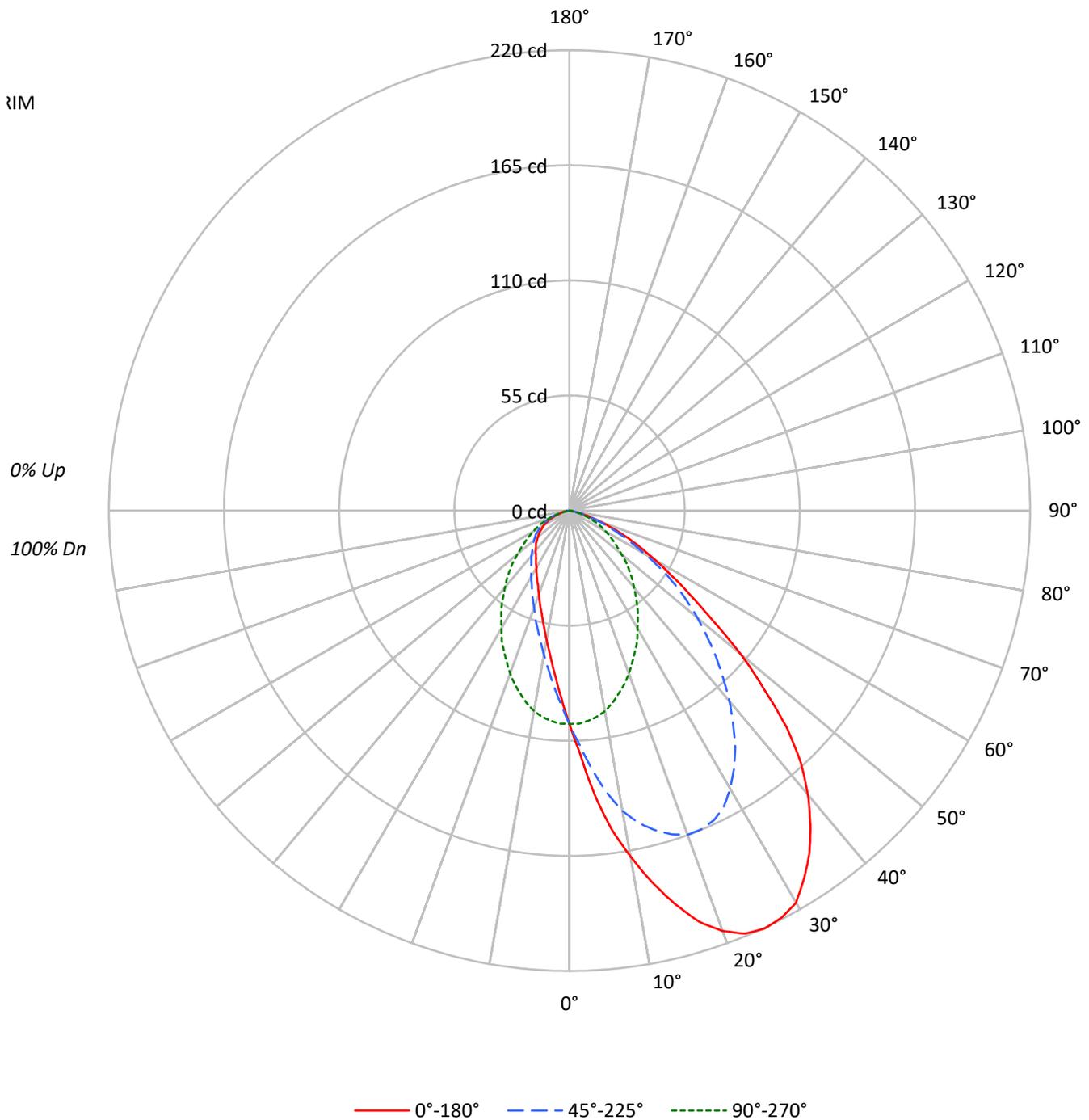
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 249.0 lumens
Efficiency: N/A
Efficacy: 34.6 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): 7.2
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°	17549	17549	17549	17549	17549
5°	23494	21454	17444	14591	13623
10°	29362	25480	17016	12242	10982
15°	34697	28189	16154	10466	9093
20°	39166	30204	15194	9054	7826
25°	41882	31012	14081	8019	6955
30°	43015	30506	12906	7278	6244
35°	42007	29014	11900	6707	5845
40°	39816	26731	10769	6362	5665
45°	35730	24088	9791	6138	5529
50°	28695	21381	8681	5921	5251
55°	21168	18406	7717	5885	5104
60°	16327	14363	6923	5683	4960
65°	12388	10718	6072	5257	4401
70°	8308	7503	4683	4683	3626
75°	4458	4458	3061	3061	2728
80°	992	2083	1488	2083	2579
85°	0	988	988	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35730 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	4.0
10°-20°	30.6	12.3
20°-30°	47.1	18.9
30°-40°	53.5	21.5
40°-50°	48.4	19.4
50°-60°	33.8	13.6
60°-70°	18.6	7.5
70°-80°	6.2	2.5
80°-90°	0.8	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°	87.7	35.2
0°-40°	141.2	56.7
0°-60°	223.4	89.7
0°-90°	249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	249.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	102	102	102	102	102	
5°	136	124	101	84	79	14
15°	195	158	91	59	51	55
25°	220	163	74	42	37	101
35°	200	138	57	32	28	124
45°	147	99	40	25	23	111
55°	70	61	26	20	17	65
65°	30	26	15	13	11	30
75°	7	7	5	5	4	8
85°	0	0	0	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°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
2.5°	116.4	117.4	117.9	116.9	116.4	115.8	114.8	114.3	113.3	112.2	111.7
5°	135.9	135.9	135.9	134.9	133.4	132.3	130.3	128.7	126.1	124.1	122.0
7.5°	153.4	153.4	152.9	151.4	150.3	147.8	145.2	143.1	139.0	135.9	131.8
10°	167.9	167.9	167.3	164.8	163.2	160.1	157.6	154.0	149.8	145.7	141.1
12.5°	181.8	181.8	179.7	177.6	174.5	170.4	166.8	163.2	157.6	152.9	147.3
15°	194.6	194.6	193.6	190.0	185.9	181.2	176.1	170.9	164.2	158.1	151.9
17.5°	206.0	205.4	203.9	199.8	195.7	190.0	183.8	177.6	169.4	162.2	154.5
20°	213.7	213.7	211.6	207.0	202.4	196.2	189.5	182.3	173.5	164.8	155.5
22.5°	218.8	218.3	216.3	211.6	206.0	199.8	192.1	184.3	174.5	164.8	155.0
25°	220.4	219.9	217.8	212.6	207.0	200.3	192.1	183.8	173.5	163.2	152.4
27.5°	219.3	218.8	216.8	211.1	205.4	197.7	189.5	180.7	170.4	159.6	148.8
30°	216.3	214.7	212.6	207.5	201.3	193.6	184.8	175.1	164.8	153.4	142.6
32.5°	208.5	208.5	206.0	200.8	194.6	186.4	177.6	168.4	157.0	146.2	134.9
35°	199.8	199.3	197.2	191.5	185.9	178.2	169.4	159.6	148.8	138.0	127.2
37.5°	189.0	188.4	186.4	181.2	175.1	167.9	158.6	149.3	139.0	128.2	118.4
40°	177.1	176.1	173.5	169.4	164.2	156.0	147.8	138.5	128.7	118.9	109.2
42.5°	163.7	162.7	160.6	157.6	151.4	144.2	136.4	127.7	118.4	108.6	101.4
45°	146.7	146.7	145.7	142.6	138.0	132.3	124.1	116.4	107.6	98.9	91.1
47.5°	125.6	126.7	126.1	124.6	122.5	117.4	111.7	105.0	96.8	89.1	81.9
50°	107.1	107.6	108.1	107.1	105.6	101.9	98.3	94.2	87.0	79.8	73.1
52.5°	86.0	87.5	87.5	88.0	88.0	87.0	86.0	81.4	77.7	70.5	64.4
55°	70.5	70.5	70.5	71.6	72.1	72.6	71.6	70.5	66.4	61.3	55.6
57.5°	57.7	57.7	58.7	58.2	58.2	59.2	59.2	58.7	56.1	51.5	46.3
60°	47.4	47.4	47.4	47.4	47.9	47.9	47.9	47.9	45.8	41.7	37.6
62.5°	38.1	38.1	38.1	38.6	38.6	38.6	39.1	38.6	36.6	33.5	29.9
65°	30.4	29.9	30.4	30.4	30.9	30.9	30.9	30.4	28.3	26.3	23.7
67.5°	22.7	23.2	23.2	23.2	23.7	24.2	23.7	23.2	21.6	19.6	18.5
70°	16.5	17.0	17.0	17.0	17.5	18.0	17.5	17.0	16.0	14.9	13.9
72.5°	10.8	11.3	11.3	11.8	12.4	12.4	11.8	11.8	11.3	10.3	9.8
75°	6.7	6.7	7.2	7.2	7.7	7.7	7.7	7.2	7.2	6.7	6.7
77.5°	3.1	3.1	3.6	3.6	3.6	4.1	4.1	4.1	4.1	4.1	3.6
80°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.1	2.1	2.1
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
2.5°	110.7	109.2	107.1	101.9	96.8	92.7	90.1	89.6
5°	119.5	116.9	112.2	100.9	91.6	84.4	80.3	78.8
7.5°	128.2	123.6	116.9	99.4	85.5	76.7	72.1	70.0
10°	135.4	129.8	121.0	97.3	80.3	70.0	64.4	62.8
12.5°	141.1	134.4	123.6	94.2	75.2	63.8	58.2	56.6
15°	144.7	137.5	125.1	90.6	70.0	58.7	53.0	51.0
17.5°	146.2	137.5	124.6	87.0	65.4	54.1	48.4	46.9
20°	146.2	136.4	123.1	82.9	60.8	49.4	44.3	42.7
22.5°	144.7	134.4	119.5	78.3	56.6	45.8	40.7	39.1
25°	141.6	130.3	115.3	74.1	52.5	42.2	37.6	36.6
27.5°	137.0	125.6	110.2	70.0	48.9	39.1	35.0	34.0
30°	131.3	120.0	104.5	64.9	45.3	36.6	33.0	31.4
32.5°	124.1	113.3	98.3	60.8	42.2	34.0	30.9	29.9
35°	116.4	106.6	91.6	56.6	39.1	31.9	28.8	27.8
37.5°	108.6	98.3	86.0	52.0	36.6	29.9	27.3	26.3
40°	100.4	92.7	79.8	47.9	34.5	28.3	25.7	25.2
42.5°	92.2	83.9	71.1	44.3	31.9	26.3	24.2	23.7
45°	82.4	74.7	64.4	40.2	29.9	25.2	23.2	22.7
47.5°	74.1	66.9	57.7	36.6	27.8	23.7	21.6	21.1
50°	66.4	59.2	50.5	32.4	25.7	22.1	20.6	19.6
52.5°	57.7	51.5	43.8	28.8	23.7	20.6	19.1	18.5
55°	49.9	43.8	36.6	25.7	21.6	19.6	17.5	17.0
57.5°	41.2	36.0	30.9	22.7	19.6	17.5	16.5	15.4
60°	33.5	29.9	26.3	20.1	17.5	16.5	14.9	14.4
62.5°	27.3	24.7	22.1	17.5	15.4	14.4	13.4	12.4
65°	21.6	20.1	18.0	14.9	13.4	12.9	11.8	10.8
67.5°	17.0	16.0	14.4	11.8	11.3	10.8	9.8	8.8
70°	12.9	12.4	11.3	9.3	8.8	9.3	8.2	7.2
72.5°	9.3	8.8	8.2	6.7	6.7	6.7	6.2	5.1
75°	6.2	5.7	5.1	4.6	4.6	4.6	4.6	4.1
77.5°	3.6	3.6	3.1	2.6	3.1	3.1	3.6	3.6
80°	1.5	1.5	1.5	1.5	2.1	2.1	2.6	2.6
82.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)