

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: P1312646

Luminaire Tested: LDSQA3D13R709050DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312646
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: LDSQA3D13R709050DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

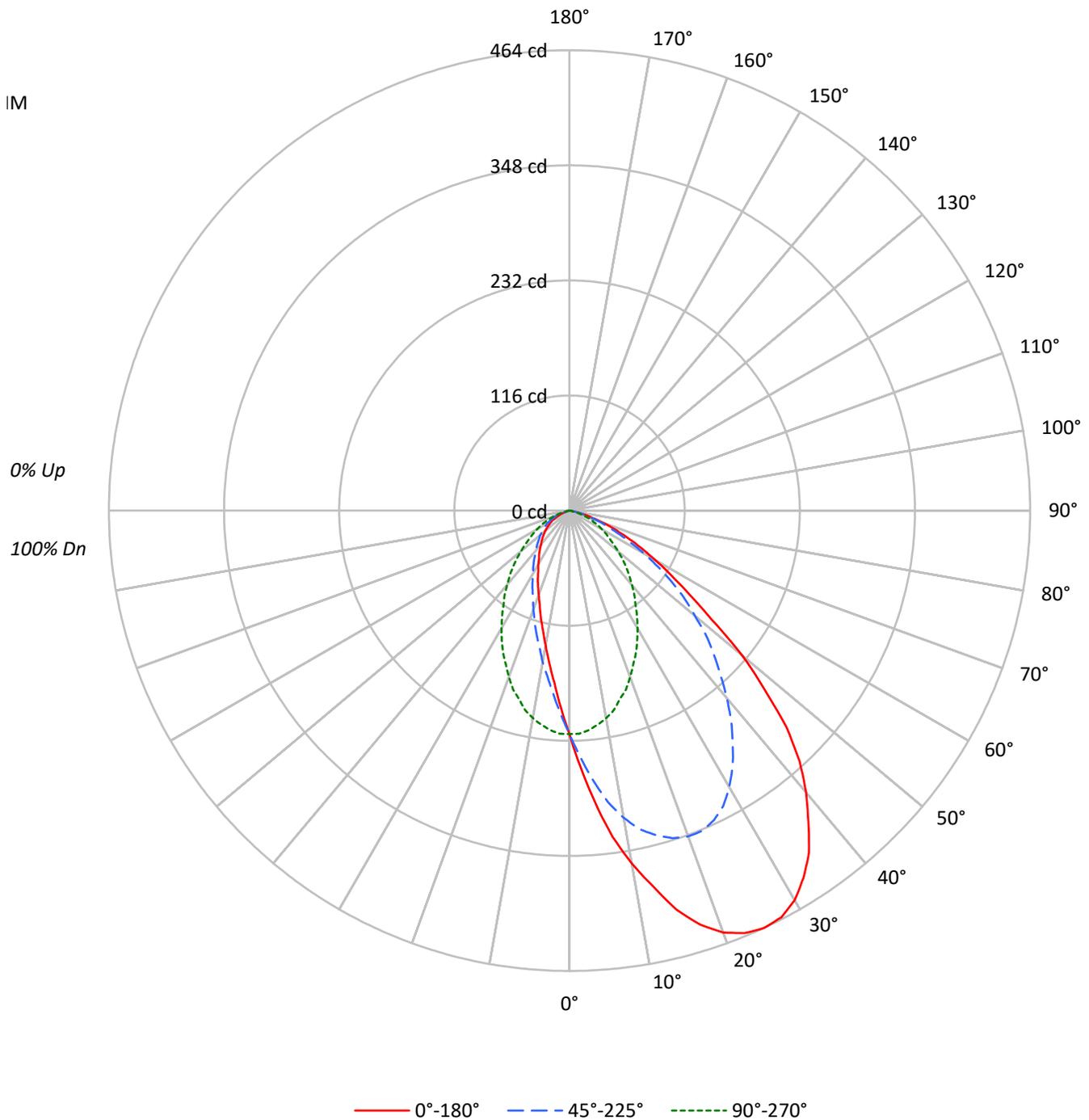
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 505.0 lumens
Efficiency: N/A
Efficacy: 34.6 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): 14.6
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°	38767	38767	38767	38767	38767
5°	51034	47179	38379	32138	30116
10°	63149	54982	37144	27124	24151
15°	74225	60407	35036	22911	19880
20°	82914	64036	32696	19464	16550
25°	88191	65388	30062	16741	14328
30°	90186	63995	27245	14577	12469
35°	88429	60277	24346	13182	11164
40°	83319	55396	21965	11938	10027
45°	75260	50173	19655	10863	9304
50°	60901	44101	17067	10235	8547
55°	44319	37953	14683	9578	7657
60°	34376	30001	13158	8783	6958
65°	25959	21639	10840	7784	5175
70°	18178	15509	8006	5891	3223
75°	10580	9183	4259	2795	732
80°	2083	3174	1091	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75260 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	4.4
10°-20°	65.6	13.0
20°-30°	98.9	19.6
30°-40°	110.0	21.8
40°-50°	97.5	19.3
50°-60°	66.2	13.1
60°-70°	34.7	6.9
70°-80°	9.9	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°	186.6	36.9
0°-40°	296.5	58.7
0°-60°	460.2	91.1
0°-90°	505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	225	225	225	225	225	
5°	295	273	222	186	174	30
15°	416	339	196	128	112	118
25°	464	344	158	88	75	213
35°	421	287	116	63	53	261
45°	309	206	81	45	38	234
55°	148	126	49	32	26	136
65°	64	53	27	19	13	64
75°	16	14	6	4	1	18
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°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1
2.5°	259.1	258.1	257.0	257.0	255.9	254.9	252.8	252.8	250.6	248.5	246.4
5°	295.2	295.2	295.2	292.1	292.1	287.8	285.7	281.4	277.2	272.9	267.6
7.5°	331.3	331.3	328.2	327.1	323.9	319.7	316.5	310.1	302.7	296.3	287.8
10°	361.1	361.1	357.9	355.8	349.4	345.2	338.8	331.3	323.9	314.4	303.7
12.5°	387.6	388.7	384.4	380.2	373.8	367.5	359.0	349.4	339.8	329.2	315.4
15°	416.3	415.2	409.9	404.6	397.2	387.6	377.0	364.3	351.5	338.8	323.9
17.5°	437.5	436.5	431.2	424.8	415.2	403.6	391.9	377.0	362.1	346.2	328.2
20°	452.4	451.4	446.0	437.5	428.0	415.2	401.4	384.4	368.5	349.4	329.2
22.5°	460.9	459.8	453.5	446.0	434.4	420.6	405.7	387.6	369.6	349.4	327.1
25°	464.1	462.0	455.6	447.1	435.4	420.6	403.6	384.4	365.3	344.1	320.7
27.5°	462.0	459.8	452.4	442.9	430.1	413.1	396.1	377.0	356.8	335.6	311.2
30°	453.5	450.3	443.9	434.4	420.6	403.6	385.5	365.3	344.1	321.8	297.4
32.5°	438.6	436.5	430.1	419.5	405.7	388.7	370.6	349.4	328.2	305.9	281.4
35°	420.6	416.3	409.9	400.4	386.6	369.6	351.5	329.2	309.0	286.7	263.4
37.5°	395.1	394.0	386.6	379.1	365.3	347.3	330.3	309.0	288.9	267.6	244.3
40°	370.6	368.5	362.1	353.6	339.8	323.9	305.9	286.7	266.6	246.4	225.1
42.5°	343.0	339.8	335.6	327.1	314.4	298.4	281.4	262.3	244.3	225.1	206.0
45°	309.0	308.0	302.7	298.4	286.7	272.9	255.9	239.0	220.9	206.0	191.2
47.5°	265.5	264.4	263.4	260.2	253.8	244.3	231.5	215.6	201.8	186.9	166.7
50°	227.3	226.2	224.1	223.0	217.7	212.4	202.8	193.3	181.6	164.6	148.7
52.5°	180.5	181.6	184.8	185.9	184.8	180.5	176.3	173.1	157.2	146.6	131.7
55°	147.6	147.6	146.6	147.6	148.7	150.8	150.8	146.6	135.9	126.4	113.6
57.5°	121.1	121.1	121.1	121.1	121.1	122.1	122.1	121.1	115.8	106.2	94.5
60°	99.8	98.8	98.8	99.8	98.8	98.8	99.8	99.8	94.5	87.1	76.5
62.5°	80.7	80.7	80.7	79.7	79.7	80.7	80.7	79.7	75.4	68.0	60.5
65°	63.7	63.7	63.7	63.7	63.7	64.8	63.7	62.7	58.4	53.1	47.8
67.5°	48.9	48.9	49.9	48.9	49.9	49.9	49.9	47.8	44.6	40.4	37.2
70°	36.1	36.1	36.1	37.2	38.2	38.2	37.2	35.0	32.9	30.8	27.6
72.5°	24.4	25.5	25.5	25.5	26.6	26.6	25.5	24.4	23.4	21.2	20.2
75°	15.9	14.9	15.9	15.9	17.0	17.0	15.9	15.9	14.9	13.8	12.7
77.5°	7.4	7.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.4	7.4
80°	2.1	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1
2.5°	244.3	241.1	236.8	225.1	214.5	205.0	199.7	198.6
5°	261.3	257.0	246.4	222.0	201.8	185.9	176.3	174.2
7.5°	279.3	270.8	255.9	217.7	189.0	168.9	158.2	155.1
10°	293.1	282.5	262.3	212.4	176.3	155.1	142.3	138.1
12.5°	302.7	289.9	267.6	206.0	165.7	140.2	127.4	123.2
15°	308.0	294.2	268.7	196.5	152.9	128.5	114.7	111.5
17.5°	310.1	294.2	266.6	189.0	141.2	116.8	104.1	99.8
20°	309.0	289.9	261.3	178.4	130.6	106.2	93.5	90.3
22.5°	304.8	283.6	252.8	167.8	120.0	95.6	85.0	82.8
25°	298.4	275.1	243.2	158.2	110.4	88.1	77.5	75.4
27.5°	287.8	264.4	230.5	147.6	102.0	80.7	71.2	68.0
30°	274.0	251.7	217.7	137.0	93.5	73.3	64.8	62.7
32.5°	259.1	236.8	205.0	126.4	86.0	68.0	59.5	57.3
35°	242.1	220.9	189.0	115.8	78.6	62.7	54.2	53.1
37.5°	225.1	203.9	175.2	107.3	72.2	57.3	49.9	48.9
40°	206.0	189.0	167.8	97.7	66.9	53.1	46.7	44.6
42.5°	194.3	171.0	144.4	89.2	61.6	48.9	42.5	41.4
45°	168.9	151.9	130.6	80.7	56.3	44.6	39.3	38.2
47.5°	151.9	137.0	116.8	72.2	52.0	41.4	36.1	35.0
50°	134.9	121.1	102.0	63.7	47.8	38.2	32.9	31.9
52.5°	117.9	104.1	87.1	56.3	42.5	35.0	29.7	28.7
55°	100.9	88.1	72.2	48.9	38.2	31.9	27.6	25.5
57.5°	82.8	72.2	61.6	43.5	34.0	28.7	24.4	22.3
60°	66.9	60.5	52.0	38.2	29.7	25.5	21.2	20.2
62.5°	54.2	48.9	43.5	32.9	26.6	22.3	19.1	15.9
65°	43.5	40.4	36.1	26.6	22.3	19.1	15.9	12.7
67.5°	34.0	31.9	28.7	22.3	18.1	15.9	11.7	9.6
70°	26.6	24.4	22.3	15.9	13.8	11.7	8.5	6.4
72.5°	19.1	17.0	15.9	11.7	9.6	8.5	5.3	3.2
75°	11.7	11.7	9.6	6.4	5.3	4.2	2.1	1.1
77.5°	6.4	6.4	5.3	3.2	3.2	1.1	0.0	0.0
80°	3.2	2.1	2.1	1.1	1.1	0.0	0.0	0.0
82.5°	1.1	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)