

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: P1310453

Luminaire Tested: LDSQA3D13R709035DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310453
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: LDSQA3D13R709035DE010 3LSQCLSWWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWWR 1MW TF
Light Source: -
Ballast/Driver: -

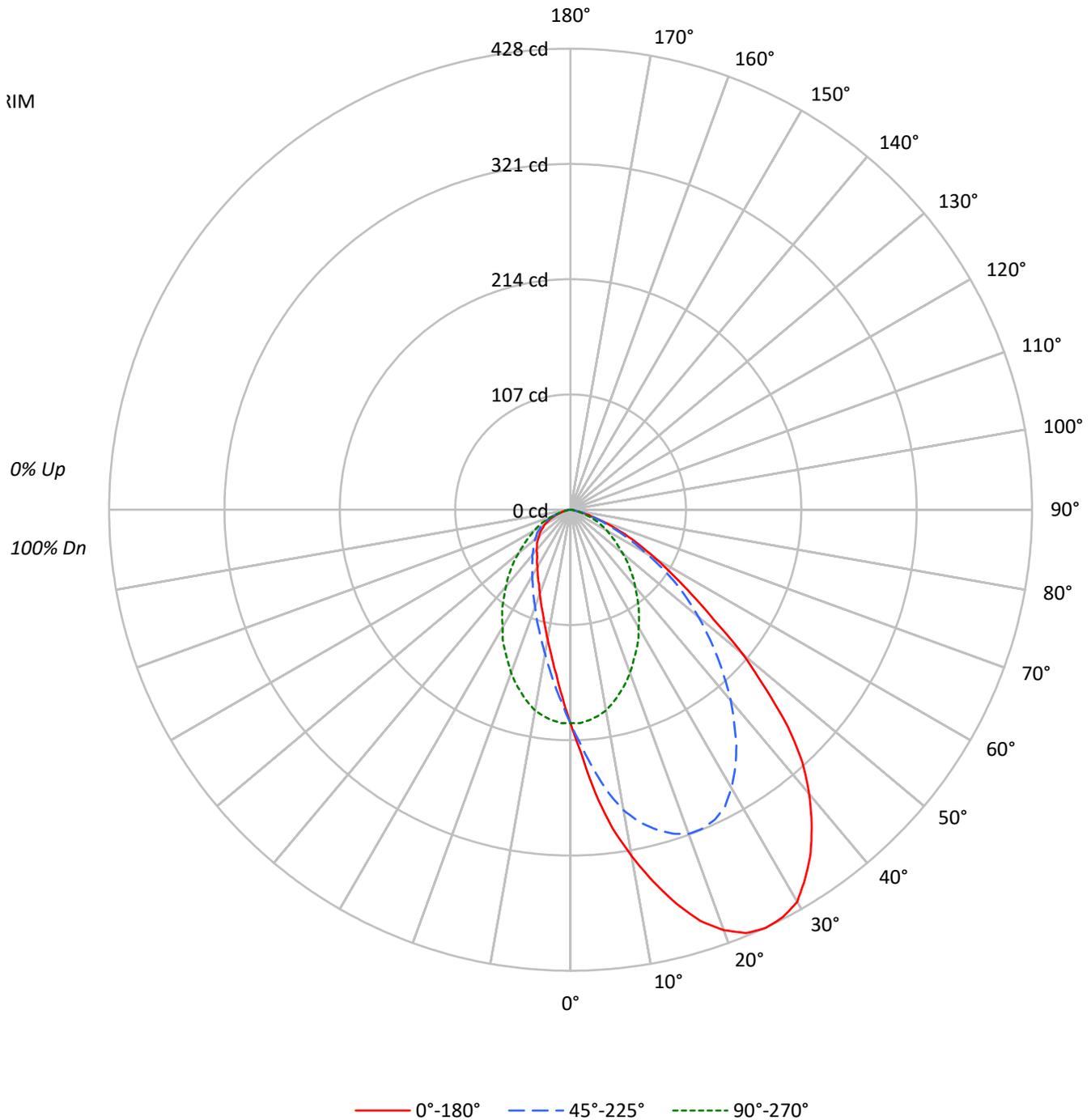
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 484.0 lumens
Efficiency: N/A
Efficacy: 33.1 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): 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

TEST NUMBER: P1310453
CATALOG NUMBER: LDSQA3D13R709035DE010 3LSQCLSWWR 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310453

CATALOG NUMBER: LDSQA3D13R709035DE010 3LSQCLSWWR 1MW

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°	34135	34135	34135	34135	34135
5°	45675	41699	33919	28370	26468
10°	57063	49526	33087	23801	21353
15°	67450	54791	31398	20344	17669
20°	76114	58703	29526	17613	15230
25°	81407	60295	27383	15601	13511
30°	83583	59302	25077	14139	12151
35°	81638	56388	23148	13056	11353
40°	77406	51979	20931	12365	11016
45°	69463	46812	19022	11934	10717
50°	55783	41556	16906	11521	10181
55°	41166	35761	15013	11410	9909
60°	31723	27935	13433	11022	9644
65°	24043	20783	11818	10188	8558
70°	16113	14603	9064	9064	7050
75°	8650	8650	5989	5989	5323
80°	1984	3967	2975	3967	4959
85°	0	1976	1976	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 69463 cd/sqm



TEST NUMBER: P1310453

CATALOG NUMBER: LDSQA3D13R709035DE010 3LSQCLSWWR 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	4.0
10°-20°	59.4	12.3
20°-30°	91.6	18.9
30°-40°	103.9	21.5
40°-50°	94.0	19.4
50°-60°	65.7	13.6
60°-70°	36.1	7.5
70°-80°	12.1	2.5
80°-90°	1.6	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°	170.5	35.2
0°-40°	274.4	56.7
0°-60°	434.2	89.7
0°-90°	484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	484.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	198	198	198	198	198	
5°	264	241	196	164	153	27
15°	378	307	176	114	99	108
25°	428	317	144	82	71	197
35°	388	268	110	62	54	241
45°	285	192	78	49	44	216
55°	137	119	50	38	33	126
65°	59	51	29	25	21	59
75°	13	13	9	9	8	15
85°	0	1	1	2	2	1
90°	0	0	0	0	0	



TEST NUMBER: P1310453

CATALOG NUMBER: LDSQA3D13R709035DE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2
2.5°	226.2	228.2	229.2	227.2	226.2	225.2	223.2	222.2	220.2	218.2	217.2
5°	264.2	264.2	264.2	262.2	259.2	257.2	253.2	250.2	245.2	241.2	237.2
7.5°	298.2	298.2	297.2	294.2	292.2	287.2	282.2	278.2	270.2	264.2	256.2
10°	326.3	326.3	325.3	320.3	317.3	311.3	306.3	299.2	291.2	283.2	274.2
12.5°	353.3	353.3	349.3	345.3	339.3	331.3	324.3	317.3	306.3	297.2	286.2
15°	378.3	378.3	376.3	369.3	361.3	352.3	342.3	332.3	319.3	307.3	295.2
17.5°	400.3	399.3	396.3	388.3	380.3	369.3	357.3	345.3	329.3	315.3	300.2
20°	415.3	415.3	411.3	402.3	393.3	381.3	368.3	354.3	337.3	320.3	302.2
22.5°	425.4	424.3	420.3	411.3	400.3	388.3	373.3	358.3	339.3	320.3	301.2
25°	428.4	427.4	423.3	413.3	402.3	389.3	373.3	357.3	337.3	317.3	296.2
27.5°	426.4	425.4	421.3	410.3	399.3	384.3	368.3	351.3	331.3	310.3	289.2
30°	420.3	417.3	413.3	403.3	391.3	376.3	359.3	340.3	320.3	298.2	277.2
32.5°	405.3	405.3	400.3	390.3	378.3	362.3	345.3	327.3	305.3	284.2	262.2
35°	388.3	387.3	383.3	372.3	361.3	346.3	329.3	310.3	289.2	268.2	247.2
37.5°	367.3	366.3	362.3	352.3	340.3	326.3	308.3	290.2	270.2	249.2	230.2
40°	344.3	342.3	337.3	329.3	319.3	303.2	287.2	269.2	250.2	231.2	212.2
42.5°	318.3	316.3	312.3	306.3	294.2	280.2	265.2	248.2	230.2	211.2	197.2
45°	285.2	285.2	283.2	277.2	268.2	257.2	241.2	226.2	209.2	192.2	177.1
47.5°	244.2	246.2	245.2	242.2	238.2	228.2	217.2	204.2	188.2	173.1	159.1
50°	208.2	209.2	210.2	208.2	205.2	198.2	191.2	183.2	169.1	155.1	142.1
52.5°	167.1	170.1	170.1	171.1	171.1	169.1	167.1	158.1	151.1	137.1	125.1
55°	137.1	137.1	137.1	139.1	140.1	141.1	139.1	137.1	129.1	119.1	108.1
57.5°	112.1	112.1	114.1	113.1	113.1	115.1	115.1	114.1	109.1	100.1	90.1
60°	92.1	92.1	92.1	92.1	93.1	93.1	93.1	93.1	89.1	81.1	73.1
62.5°	74.1	74.1	74.1	75.1	75.1	75.1	76.1	75.1	71.1	65.1	58.0
65°	59.0	58.0	59.0	59.0	60.0	60.0	60.0	59.0	55.0	51.0	46.0
67.5°	44.0	45.0	45.0	45.0	46.0	47.0	46.0	45.0	42.0	38.0	36.0
70°	32.0	33.0	33.0	33.0	34.0	35.0	34.0	33.0	31.0	29.0	27.0
72.5°	21.0	22.0	22.0	23.0	24.0	24.0	23.0	23.0	22.0	20.0	19.0
75°	13.0	13.0	14.0	14.0	15.0	15.0	15.0	14.0	14.0	13.0	13.0
77.5°	6.0	6.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0	7.0
80°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0	4.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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



TEST NUMBER: P1310453

CATALOG NUMBER: LDSQA3D13R709035DE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2
2.5°	215.2	212.2	208.2	198.2	188.2	180.1	175.1	174.1
5°	232.2	227.2	218.2	196.2	178.1	164.1	156.1	153.1
7.5°	249.2	240.2	227.2	193.2	166.1	149.1	140.1	136.1
10°	263.2	252.2	235.2	189.2	156.1	136.1	125.1	122.1
12.5°	274.2	261.2	240.2	183.2	146.1	124.1	113.1	110.1
15°	281.2	267.2	243.2	176.1	136.1	114.1	103.1	99.1
17.5°	284.2	267.2	242.2	169.1	127.1	105.1	94.1	91.1
20°	284.2	265.2	239.2	161.1	118.1	96.1	86.1	83.1
22.5°	281.2	261.2	232.2	152.1	110.1	89.1	79.1	76.1
25°	275.2	253.2	224.2	144.1	102.1	82.1	73.1	71.1
27.5°	266.2	244.2	214.2	136.1	95.1	76.1	68.1	66.1
30°	255.2	233.2	203.2	126.1	88.1	71.1	64.1	61.1
32.5°	241.2	220.2	191.2	118.1	82.1	66.1	60.0	58.0
35°	226.2	207.2	178.1	110.1	76.1	62.1	56.0	54.0
37.5°	211.2	191.2	167.1	101.1	71.1	58.0	53.0	51.0
40°	195.2	180.1	155.1	93.1	67.1	55.0	50.0	49.0
42.5°	179.1	163.1	138.1	86.1	62.1	51.0	47.0	46.0
45°	160.1	145.1	125.1	78.1	58.0	49.0	45.0	44.0
47.5°	144.1	130.1	112.1	71.1	54.0	46.0	42.0	41.0
50°	129.1	115.1	98.1	63.1	50.0	43.0	40.0	38.0
52.5°	112.1	100.1	85.1	56.0	46.0	40.0	37.0	36.0
55°	97.1	85.1	71.1	50.0	42.0	38.0	34.0	33.0
57.5°	80.1	70.1	60.0	44.0	38.0	34.0	32.0	30.0
60°	65.1	58.0	51.0	39.0	34.0	32.0	29.0	28.0
62.5°	53.0	48.0	43.0	34.0	30.0	28.0	26.0	24.0
65°	42.0	39.0	35.0	29.0	26.0	25.0	23.0	21.0
67.5°	33.0	31.0	28.0	23.0	22.0	21.0	19.0	17.0
70°	25.0	24.0	22.0	18.0	17.0	18.0	16.0	14.0
72.5°	18.0	17.0	16.0	13.0	13.0	13.0	12.0	10.0
75°	12.0	11.0	10.0	9.0	9.0	9.0	9.0	8.0
77.5°	7.0	7.0	6.0	5.0	6.0	6.0	7.0	7.0
80°	3.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0
82.5°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)