

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: P1311874

Luminaire Tested: LDSQA3D20R709040D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311874
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: LDSQA3D20R709040D010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

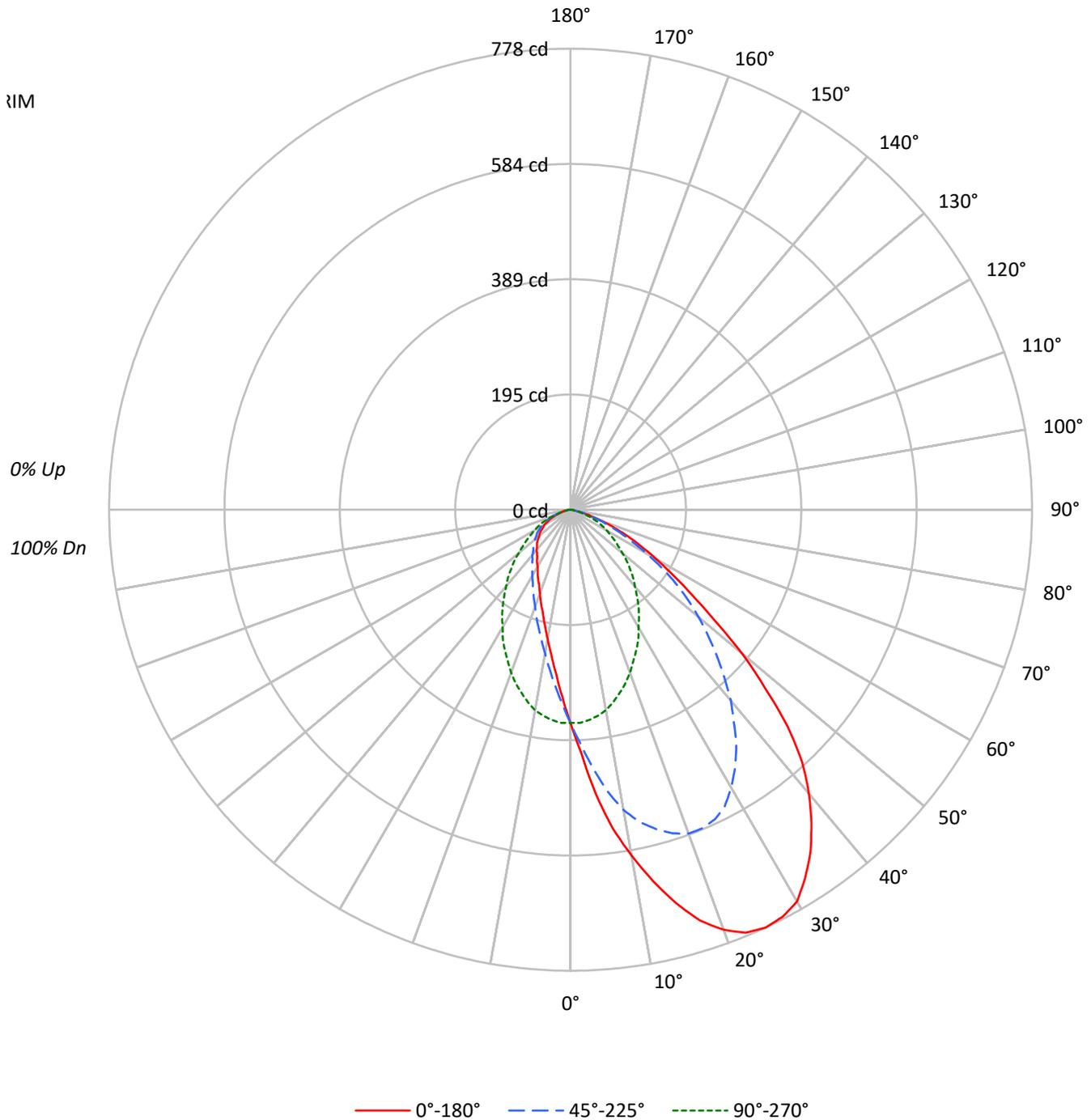
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 879.0 lumens
Efficiency: N/A
Efficacy: 30.5 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

TEST NUMBER: P1311874
CATALOG NUMBER: LDSQA3D20R709040D010 3LSQCLSWWR 1MW

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	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°	61983	61983	61983	61983	61983
5°	82948	75722	61597	51536	48078
10°	103616	89958	60071	43230	38771
15°	122509	99490	57038	36943	32076
20°	138245	106593	53626	31982	27656
25°	147822	109493	49730	28314	24532
30°	151814	107706	45540	25674	22054
35°	148265	102410	42028	23695	20646
40°	140580	94402	37995	22482	20032
45°	126164	85002	34537	21701	19485
50°	101305	75476	30678	20952	18514
55°	74765	64946	27294	20748	18016
60°	57591	50702	24421	20047	17532
65°	43685	37777	21476	18501	15567
70°	29306	26537	16466	16466	12790
75°	15704	15704	10913	10913	9649
80°	3570	7240	5455	7240	9025
85°	0	3557	3557	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 126164 cd/sqm



TEST NUMBER: P1311874

CATALOG NUMBER: LDSQA3D20R709040D010 3LSQCLSWWR 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	4.0
10°-20°	107.9	12.3
20°-30°	166.3	18.9
30°-40°	188.7	21.5
40°-50°	170.7	19.4
50°-60°	119.4	13.6
60°-70°	65.6	7.5
70°-80°	21.9	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°	309.7	35.2
0°-40°	498.4	56.7
0°-60°	788.5	89.7
0°-90°	879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	879.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	360	360	360	360	360	
5°	480	438	356	298	278	49
15°	687	558	320	207	180	196
25°	778	576	262	149	129	357
35°	705	487	200	113	98	438
45°	518	349	142	89	80	392
55°	249	216	91	69	60	229
65°	107	93	53	45	38	107
75°	24	24	16	16	14	27
85°	0	2	2	4	4	1
90°	0	0	0	0	0	



TEST NUMBER: P1311874
 CATALOG NUMBER: LDSQA3D20R709040D010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	359.9	359.9	359.9	359.9	359.9	359.9	359.9	359.9	359.9	359.9	359.9
2.5°	410.8	414.4	416.2	412.6	410.8	409.0	405.3	403.5	399.9	396.2	394.4
5°	479.8	479.8	479.8	476.2	470.8	467.1	459.9	454.4	445.3	438.0	430.8
7.5°	541.6	541.6	539.8	534.4	530.7	521.7	512.6	505.3	490.8	479.8	465.3
10°	592.5	592.5	590.7	581.6	576.2	565.3	556.2	543.5	528.9	514.4	498.0
12.5°	641.6	641.6	634.3	627.1	616.2	601.6	588.9	576.2	556.2	539.8	519.8
15°	687.1	687.1	683.4	670.7	656.2	639.8	621.6	603.4	579.8	558.0	536.2
17.5°	727.0	725.2	719.8	705.2	690.7	670.7	648.9	627.1	598.0	572.5	545.3
20°	754.3	754.3	747.0	730.7	714.3	692.5	668.9	643.4	612.5	581.6	548.9
22.5°	772.5	770.7	763.4	747.0	727.0	705.2	678.0	650.7	616.2	581.6	547.1
25°	777.9	776.1	768.8	750.7	730.7	707.1	678.0	648.9	612.5	576.2	538.0
27.5°	774.3	772.5	765.2	745.2	725.2	698.0	668.9	638.0	601.6	563.5	525.3
30°	763.4	757.9	750.7	732.5	710.7	683.4	652.5	618.0	581.6	541.6	503.5
32.5°	736.1	736.1	727.0	708.9	687.1	658.0	627.1	594.4	554.4	516.2	476.2
35°	705.2	703.4	696.1	676.2	656.2	628.9	598.0	563.5	525.3	487.1	449.0
37.5°	667.1	665.2	658.0	639.8	618.0	592.5	559.8	527.1	490.8	452.6	418.1
40°	625.3	621.6	612.5	598.0	579.8	550.7	521.7	488.9	454.4	419.9	385.3
42.5°	578.0	574.4	567.1	556.2	534.4	508.9	481.7	450.8	418.1	383.5	358.1
45°	518.0	518.0	514.4	503.5	487.1	467.1	438.0	410.8	379.9	349.0	321.7
47.5°	443.5	447.1	445.3	439.9	432.6	414.4	394.4	370.8	341.7	314.4	289.0
50°	378.1	379.9	381.7	378.1	372.6	359.9	347.2	332.6	307.2	281.7	258.1
52.5°	303.5	309.0	309.0	310.8	310.8	307.2	303.5	287.2	274.5	249.0	227.2
55°	249.0	249.0	249.0	252.6	254.5	256.3	252.6	249.0	234.5	216.3	196.3
57.5°	203.6	203.6	207.2	205.4	205.4	209.0	209.0	207.2	198.1	181.8	163.6
60°	167.2	167.2	167.2	167.2	169.0	169.0	169.0	169.0	161.8	147.2	132.7
62.5°	134.5	134.5	134.5	136.3	136.3	136.3	138.1	136.3	129.1	118.1	105.4
65°	107.2	105.4	107.2	107.2	109.1	109.1	109.1	107.2	100.0	92.7	83.6
67.5°	80.0	81.8	81.8	81.8	83.6	85.4	83.6	81.8	76.3	69.1	65.4
70°	58.2	60.0	60.0	60.0	61.8	63.6	61.8	60.0	56.3	52.7	49.1
72.5°	38.2	40.0	40.0	41.8	43.6	43.6	41.8	41.8	40.0	36.4	34.5
75°	23.6	23.6	25.4	25.4	27.3	27.3	27.3	25.4	25.4	23.6	23.6
77.5°	10.9	10.9	12.7	12.7	12.7	14.5	14.5	14.5	14.5	14.5	12.7
80°	3.6	3.6	3.6	3.6	3.6	5.5	5.5	5.5	7.3	7.3	7.3
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6
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



TEST NUMBER: P1311874

CATALOG NUMBER: LDSQA3D20R709040D010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	359.9	359.9	359.9	359.9	359.9	359.9	359.9	359.9
2.5°	390.8	385.3	378.1	359.9	341.7	327.2	318.1	316.3
5°	421.7	412.6	396.2	356.3	323.5	298.1	283.5	278.1
7.5°	452.6	436.2	412.6	350.8	301.7	270.8	254.5	247.2
10°	478.0	458.0	427.1	343.5	283.5	247.2	227.2	221.7
12.5°	498.0	474.4	436.2	332.6	265.4	225.4	205.4	199.9
15°	510.7	485.3	441.7	319.9	247.2	207.2	187.2	179.9
17.5°	516.2	485.3	439.9	307.2	230.8	190.8	170.9	165.4
20°	516.2	481.7	434.4	292.6	214.5	174.5	156.3	150.9
22.5°	510.7	474.4	421.7	276.3	199.9	161.8	143.6	138.1
25°	499.8	459.9	407.1	261.7	185.4	149.0	132.7	129.1
27.5°	483.5	443.5	389.0	247.2	172.7	138.1	123.6	120.0
30°	463.5	423.5	369.0	229.0	159.9	129.1	116.3	110.9
32.5°	438.0	399.9	347.2	214.5	149.0	120.0	109.1	105.4
35°	410.8	376.2	323.5	199.9	138.1	112.7	101.8	98.2
37.5°	383.5	347.2	303.5	183.6	129.1	105.4	96.3	92.7
40°	354.4	327.2	281.7	169.0	121.8	100.0	90.9	89.1
42.5°	325.4	296.3	250.8	156.3	112.7	92.7	85.4	83.6
45°	290.8	263.6	227.2	141.8	105.4	89.1	81.8	80.0
47.5°	261.7	236.3	203.6	129.1	98.2	83.6	76.3	74.5
50°	234.5	209.0	178.1	114.5	90.9	78.2	72.7	69.1
52.5°	203.6	181.8	154.5	101.8	83.6	72.7	67.3	65.4
55°	176.3	154.5	129.1	90.9	76.3	69.1	61.8	60.0
57.5°	145.4	127.2	109.1	80.0	69.1	61.8	58.2	54.5
60°	118.1	105.4	92.7	70.9	61.8	58.2	52.7	50.9
62.5°	96.3	87.2	78.2	61.8	54.5	50.9	47.3	43.6
65°	76.3	70.9	63.6	52.7	47.3	45.4	41.8	38.2
67.5°	60.0	56.3	50.9	41.8	40.0	38.2	34.5	30.9
70°	45.4	43.6	40.0	32.7	30.9	32.7	29.1	25.4
72.5°	32.7	30.9	29.1	23.6	23.6	23.6	21.8	18.2
75°	21.8	20.0	18.2	16.4	16.4	16.4	16.4	14.5
77.5°	12.7	12.7	10.9	9.1	10.9	10.9	12.7	12.7
80°	5.5	5.5	5.5	5.5	7.3	7.3	9.1	9.1
82.5°	3.6	3.6	3.6	3.6	5.5	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6
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)