

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: P1307547

Luminaire Tested: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307547
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: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

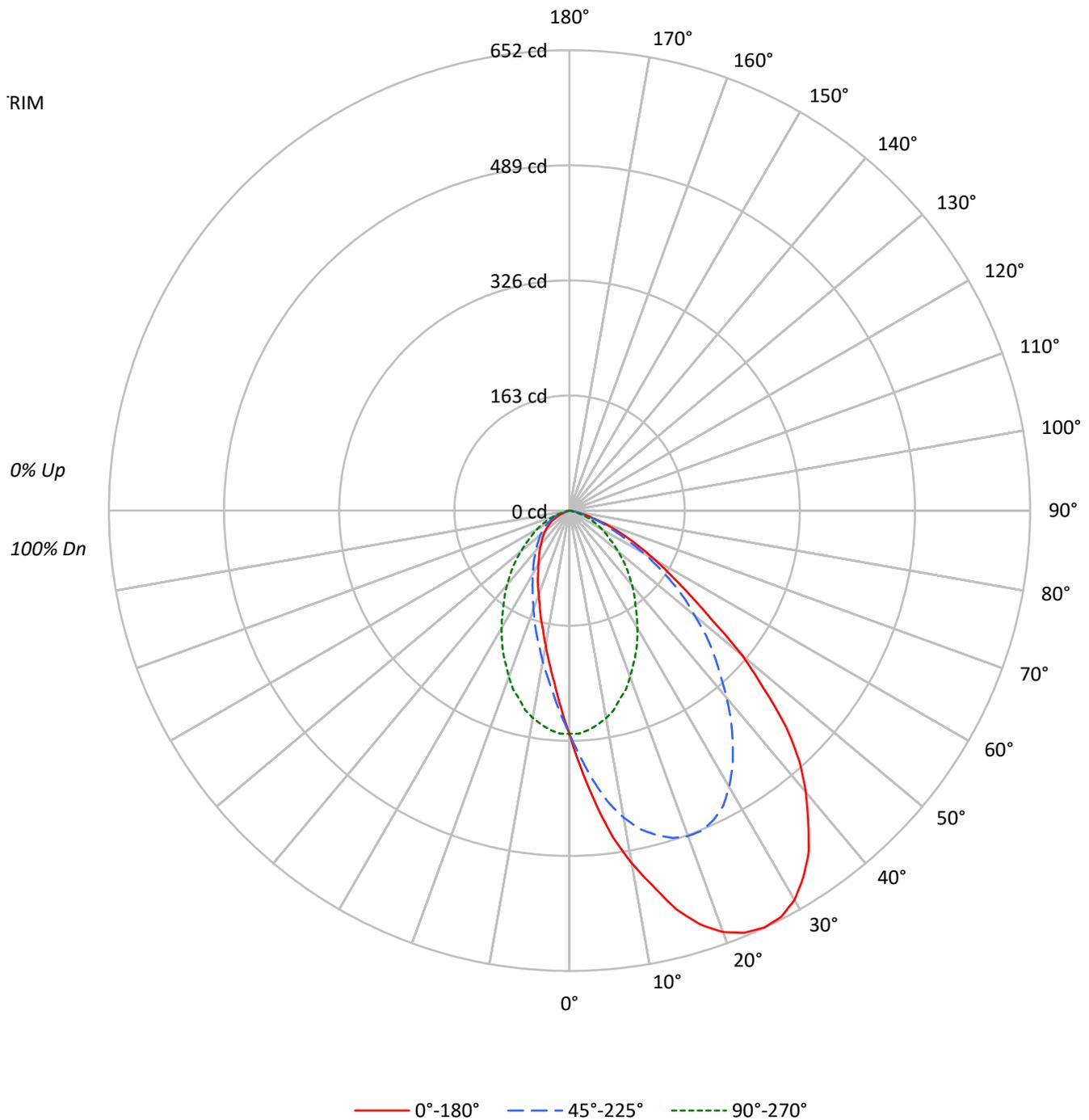
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.0 lumens
Efficiency: N/A
Efficacy: 24.6 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): 28.8
Input Voltage (V): NR
Input Current (Ain): 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: P1307547
CATALOG NUMBER: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1307547

CATALOG NUMBER: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS

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	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46			46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38			38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54440	54440	54440	54440	54440
5°	71659	66248	53870	45105	42269
10°	88646	77174	52149	38071	33892
15°	104215	84799	49175	32165	27921
20°	116417	89897	45911	27326	23221
25°	123821	91802	42224	23525	20124
30°	126618	89847	38242	20463	17500
35°	124129	84645	34165	18502	15684
40°	116997	77765	30845	16772	14074
45°	105681	70462	27595	15247	13079
50°	85497	61919	23980	14388	11977
55°	62244	53266	20598	13422	10749
60°	48291	42126	18497	12331	9748
65°	36472	30401	15200	10921	7294
70°	25530	21753	11279	8258	4482
75°	14905	12909	5922	3993	998
80°	2975	4463	1488	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 105681 cd/sqm



TEST NUMBER: P1307547

CATALOG NUMBER: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	4.4
10°-20°	92.2	13.0
20°-30°	138.9	19.6
30°-40°	154.4	21.8
40°-50°	136.8	19.3
50°-60°	92.9	13.1
60°-70°	48.7	6.9
70°-80°	13.8	2.0
80°-90°	0.4	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°	262.0	36.9
0°-40°	416.3	58.7
0°-60°	646.1	91.1
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	316	316	316	316	316	
5°	414	383	312	261	244	42
15°	584	476	276	180	157	166
25°	652	483	222	124	106	299
35°	590	403	162	88	75	366
45°	434	289	113	63	54	329
55°	207	177	69	45	36	191
65°	90	75	37	27	18	90
75°	22	19	9	6	2	25
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1307547

CATALOG NUMBER: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1
2.5°	363.8	362.3	360.8	360.8	359.3	357.8	354.9	354.9	351.9	348.9	345.9
5°	414.5	414.5	414.5	410.0	410.0	404.1	401.1	395.1	389.2	383.2	375.7
7.5°	465.2	465.2	460.7	459.2	454.8	448.8	444.3	435.4	424.9	416.0	404.1
10°	506.9	506.9	502.5	499.5	490.5	484.6	475.6	465.2	454.8	441.3	426.4
12.5°	544.2	545.7	539.7	533.8	524.8	515.9	504.0	490.5	477.1	462.2	442.8
15°	584.5	583.0	575.5	568.1	557.6	544.2	529.3	511.4	493.5	475.6	454.8
17.5°	614.3	612.8	605.4	596.4	583.0	566.6	550.2	529.3	508.4	486.1	460.7
20°	635.2	633.7	626.2	614.3	600.9	583.0	563.6	539.7	517.4	490.5	462.2
22.5°	647.1	645.6	636.7	626.2	609.8	590.4	569.6	544.2	518.9	490.5	459.2
25°	651.6	648.6	639.6	627.7	611.3	590.4	566.6	539.7	512.9	483.1	450.3
27.5°	648.6	645.6	635.2	621.8	603.9	580.0	556.1	529.3	501.0	471.2	436.9
30°	636.7	632.2	623.2	609.8	590.4	566.6	541.2	512.9	483.1	451.8	417.5
32.5°	615.8	612.8	603.9	589.0	569.6	545.7	520.4	490.5	460.7	429.4	395.1
35°	590.4	584.5	575.5	562.1	542.7	518.9	493.5	462.2	433.9	402.6	369.8
37.5°	554.7	553.2	542.7	532.3	512.9	487.6	463.7	433.9	405.6	375.7	342.9
40°	520.4	517.4	508.4	496.5	477.1	454.8	429.4	402.6	374.2	345.9	316.1
42.5°	481.6	477.1	471.2	459.2	441.3	419.0	395.1	368.3	342.9	316.1	289.3
45°	433.9	432.4	424.9	419.0	402.6	383.2	359.3	335.5	310.1	289.3	268.4
47.5°	372.8	371.3	369.8	365.3	356.4	342.9	325.0	302.7	283.3	262.4	234.1
50°	319.1	317.6	314.6	313.1	305.7	298.2	284.8	271.4	255.0	231.1	208.7
52.5°	253.5	255.0	259.4	260.9	259.4	253.5	247.5	243.0	220.7	205.8	184.9
55°	207.3	207.3	205.8	207.3	208.7	211.7	211.7	205.8	190.9	177.4	159.5
57.5°	170.0	170.0	170.0	170.0	170.0	171.5	171.5	170.0	162.5	149.1	132.7
60°	140.2	138.7	138.7	140.2	138.7	138.7	140.2	140.2	132.7	122.3	107.4
62.5°	113.3	113.3	113.3	111.8	111.8	113.3	113.3	111.8	105.9	95.4	85.0
65°	89.5	89.5	89.5	89.5	89.5	91.0	89.5	88.0	82.0	74.6	67.1
67.5°	68.6	68.6	70.1	68.6	70.1	70.1	70.1	67.1	62.6	56.7	52.2
70°	50.7	50.7	50.7	52.2	53.7	53.7	52.2	49.2	46.2	43.2	38.8
72.5°	34.3	35.8	35.8	35.8	37.3	37.3	35.8	34.3	32.8	29.8	28.3
75°	22.4	20.9	22.4	22.4	23.9	23.9	22.4	22.4	20.9	19.4	17.9
77.5°	10.4	10.4	11.9	11.9	11.9	11.9	11.9	11.9	11.9	10.4	10.4
80°	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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



TEST NUMBER: P1307547

CATALOG NUMBER: LDSQA3D20R709024D010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	316.1	316.1	316.1	316.1	316.1	316.1	316.1	316.1
2.5°	342.9	338.5	332.5	316.1	301.2	287.8	280.3	278.8
5°	366.8	360.8	345.9	311.6	283.3	260.9	247.5	244.5
7.5°	392.1	380.2	359.3	305.7	265.4	237.1	222.2	217.7
10°	411.5	396.6	368.3	298.2	247.5	217.7	199.8	193.8
12.5°	424.9	407.0	375.7	289.3	232.6	196.8	178.9	173.0
15°	432.4	413.0	377.2	275.8	214.7	180.4	161.0	156.6
17.5°	435.4	413.0	374.2	265.4	198.3	164.0	146.1	140.2
20°	433.9	407.0	366.8	250.5	183.4	149.1	131.2	126.7
22.5°	427.9	398.1	354.9	235.6	168.5	134.2	119.3	116.3
25°	419.0	386.2	341.4	222.2	155.1	123.8	108.8	105.9
27.5°	404.1	371.3	323.6	207.3	143.1	113.3	99.9	95.4
30°	384.7	353.4	305.7	192.3	131.2	102.9	91.0	88.0
32.5°	363.8	332.5	287.8	177.4	120.8	95.4	83.5	80.5
35°	340.0	310.1	265.4	162.5	110.3	88.0	76.0	74.6
37.5°	316.1	286.3	246.0	150.6	101.4	80.5	70.1	68.6
40°	289.3	265.4	235.6	137.2	93.9	74.6	65.6	62.6
42.5°	272.9	240.1	202.8	125.2	86.5	68.6	59.6	58.1
45°	237.1	213.2	183.4	113.3	79.0	62.6	55.2	53.7
47.5°	213.2	192.3	164.0	101.4	73.1	58.1	50.7	49.2
50°	189.4	170.0	143.1	89.5	67.1	53.7	46.2	44.7
52.5°	165.5	146.1	122.3	79.0	59.6	49.2	41.7	40.3
55°	141.6	123.8	101.4	68.6	53.7	44.7	38.8	35.8
57.5°	116.3	101.4	86.5	61.1	47.7	40.3	34.3	31.3
60°	93.9	85.0	73.1	53.7	41.7	35.8	29.8	28.3
62.5°	76.0	68.6	61.1	46.2	37.3	31.3	26.8	22.4
65°	61.1	56.7	50.7	37.3	31.3	26.8	22.4	17.9
67.5°	47.7	44.7	40.3	31.3	25.3	22.4	16.4	13.4
70°	37.3	34.3	31.3	22.4	19.4	16.4	11.9	8.9
72.5°	26.8	23.9	22.4	16.4	13.4	11.9	7.5	4.5
75°	16.4	16.4	13.4	8.9	7.5	6.0	3.0	1.5
77.5°	8.9	8.9	7.5	4.5	4.5	1.5	0.0	0.0
80°	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
82.5°	1.5	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)