

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: P1315041

Luminaire Tested: LDSQA3D20R709730D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

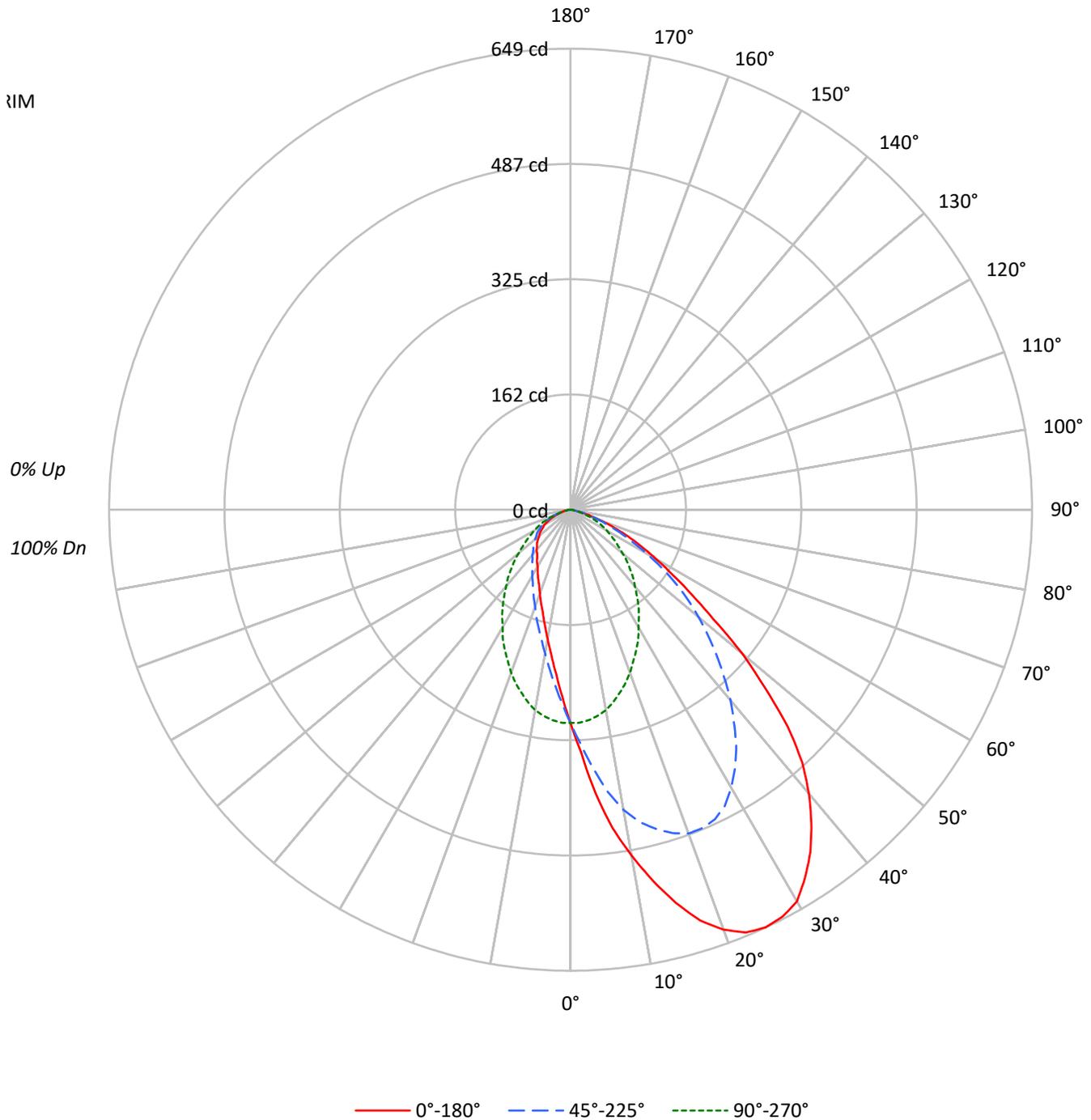
Test Method: LM-79-2019  
Report Number: P1315041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709730D010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.0 lumens  
Efficiency: N/A  
Efficacy: 25.5 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 (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

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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	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°	51684	51684	51684	51684	51684
5°	69169	63153	51363	42978	40091
10°	86408	75006	50103	36043	32335
15°	102147	82962	47570	30810	26763
20°	115280	88889	44719	26667	23056
25°	123270	91308	41483	23620	20447
30°	126598	89828	37983	21398	18395
35°	123645	85402	35048	19763	17198
40°	117222	78710	31700	18750	16704
45°	105218	70876	28789	18096	16245
50°	84479	62937	25587	17469	15433
55°	62364	54167	22760	17295	15013
60°	48016	42298	20357	16706	14604
65°	36432	31501	17931	15445	12959
70°	24422	22156	13747	13747	10675
75°	13109	13109	9050	9050	8052
80°	2975	6050	4463	6050	7538
85°	0	2964	2964	5928	5928

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 105218 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.6	4.0
10°-20°	90.0	12.3
20°-30°	138.7	18.9
30°-40°	157.4	21.5
40°-50°	142.4	19.4
50°-60°	99.6	13.6
60°-70°	54.7	7.5
70°-80°	18.3	2.5
80°-90°	2.4	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°	258.2	35.2
0°-40°	415.6	56.7
0°-60°	657.6	89.7
0°-90°	733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	400	365	297	249	232	41
15°	573	465	267	173	150	163
25°	649	480	218	124	108	298
35°	588	406	167	94	82	366
45°	432	291	118	74	67	327
55°	208	180	76	58	50	191
65°	89	77	44	38	32	89
75°	20	20	14	14	12	23
85°	0	2	2	3	3	1
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°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	342.6	345.6	347.1	344.1	342.6	341.0	338.0	336.5	333.5	330.4	328.9
5°	400.1	400.1	400.1	397.1	392.6	389.5	383.5	378.9	371.3	365.3	359.2
7.5°	451.7	451.7	450.2	445.6	442.6	435.0	427.4	421.4	409.2	400.1	388.0
10°	494.1	494.1	492.6	485.0	480.5	471.4	463.8	453.2	441.1	428.9	415.3
12.5°	535.0	535.0	529.0	522.9	513.8	501.7	491.1	480.5	463.8	450.2	433.5
15°	572.9	572.9	569.9	559.3	547.2	533.5	518.4	503.2	483.5	465.3	447.1
17.5°	606.3	604.8	600.2	588.1	576.0	559.3	541.1	522.9	498.7	477.4	454.7
20°	629.0	629.0	623.0	609.3	595.7	577.5	557.8	536.6	510.8	485.0	457.7
22.5°	644.2	642.7	636.6	623.0	606.3	588.1	565.4	542.6	513.8	485.0	456.2
25°	648.7	647.2	641.1	626.0	609.3	589.6	565.4	541.1	510.8	480.5	448.7
27.5°	645.7	644.2	638.1	621.4	604.8	582.0	557.8	532.0	501.7	469.9	438.0
30°	636.6	632.1	626.0	610.8	592.6	569.9	544.1	515.3	485.0	451.7	419.9
32.5°	613.9	613.9	606.3	591.1	572.9	548.7	522.9	495.6	462.3	430.5	397.1
35°	588.1	586.6	580.5	563.8	547.2	524.4	498.7	469.9	438.0	406.2	374.4
37.5°	556.3	554.8	548.7	533.5	515.3	494.1	466.8	439.6	409.2	377.4	348.6
40°	521.4	518.4	510.8	498.7	483.5	459.3	435.0	407.7	378.9	350.1	321.3
42.5°	482.0	479.0	472.9	463.8	445.6	424.4	401.7	375.9	348.6	319.8	298.6
45°	432.0	432.0	428.9	419.9	406.2	389.5	365.3	342.6	316.8	291.0	268.3
47.5°	369.8	372.9	371.3	366.8	360.7	345.6	328.9	309.2	285.0	262.2	241.0
50°	315.3	316.8	318.3	315.3	310.7	300.1	289.5	277.4	256.2	234.9	215.2
52.5°	253.1	257.7	257.7	259.2	259.2	256.2	253.1	239.5	228.9	207.7	189.5
55°	207.7	207.7	207.7	210.7	212.2	213.7	210.7	207.7	195.5	180.4	163.7
57.5°	169.8	169.8	172.8	171.3	171.3	174.3	174.3	172.8	165.2	151.6	136.4
60°	139.4	139.4	139.4	139.4	141.0	141.0	141.0	141.0	134.9	122.8	110.6
62.5°	112.2	112.2	112.2	113.7	113.7	113.7	115.2	113.7	107.6	98.5	87.9
65°	89.4	87.9	89.4	89.4	90.9	90.9	90.9	89.4	83.4	77.3	69.7
67.5°	66.7	68.2	68.2	68.2	69.7	71.2	69.7	68.2	63.7	57.6	54.6
70°	48.5	50.0	50.0	50.0	51.5	53.0	51.5	50.0	47.0	44.0	40.9
72.5°	31.8	33.3	33.3	34.9	36.4	36.4	34.9	34.9	33.3	30.3	28.8
75°	19.7	19.7	21.2	21.2	22.7	22.7	22.7	21.2	21.2	19.7	19.7
77.5°	9.1	9.1	10.6	10.6	10.6	12.1	12.1	12.1	12.1	12.1	10.6
80°	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	6.1	6.1	6.1
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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°	300.1	300.1	300.1	300.1	300.1	300.1	300.1	300.1
2.5°	325.9	321.3	315.3	300.1	285.0	272.8	265.2	263.7
5°	351.6	344.1	330.4	297.1	269.8	248.6	236.5	231.9
7.5°	377.4	363.8	344.1	292.5	251.6	225.8	212.2	206.1
10°	398.6	382.0	356.2	286.5	236.5	206.1	189.5	184.9
12.5°	415.3	395.6	363.8	277.4	221.3	187.9	171.3	166.7
15°	425.9	404.7	368.3	266.8	206.1	172.8	156.1	150.1
17.5°	430.5	404.7	366.8	256.2	192.5	159.1	142.5	137.9
20°	430.5	401.7	362.3	244.0	178.9	145.5	130.4	125.8
22.5°	425.9	395.6	351.6	230.4	166.7	134.9	119.7	115.2
25°	416.8	383.5	339.5	218.3	154.6	124.3	110.6	107.6
27.5°	403.2	369.8	324.4	206.1	144.0	115.2	103.1	100.0
30°	386.5	353.2	307.7	191.0	133.4	107.6	97.0	92.5
32.5°	365.3	333.5	289.5	178.9	124.3	100.0	90.9	87.9
35°	342.6	313.8	269.8	166.7	115.2	94.0	84.9	81.8
37.5°	319.8	289.5	253.1	153.1	107.6	87.9	80.3	77.3
40°	295.6	272.8	234.9	141.0	101.6	83.4	75.8	74.3
42.5°	271.3	247.1	209.2	130.4	94.0	77.3	71.2	69.7
45°	242.5	219.8	189.5	118.2	87.9	74.3	68.2	66.7
47.5°	218.3	197.0	169.8	107.6	81.8	69.7	63.7	62.1
50°	195.5	174.3	148.5	95.5	75.8	65.2	60.6	57.6
52.5°	169.8	151.6	128.8	84.9	69.7	60.6	56.1	54.6
55°	147.0	128.8	107.6	75.8	63.7	57.6	51.5	50.0
57.5°	121.3	106.1	90.9	66.7	57.6	51.5	48.5	45.5
60°	98.5	87.9	77.3	59.1	51.5	48.5	44.0	42.4
62.5°	80.3	72.8	65.2	51.5	45.5	42.4	39.4	36.4
65°	63.7	59.1	53.0	44.0	39.4	37.9	34.9	31.8
67.5°	50.0	47.0	42.4	34.9	33.3	31.8	28.8	25.8
70°	37.9	36.4	33.3	27.3	25.8	27.3	24.3	21.2
72.5°	27.3	25.8	24.3	19.7	19.7	19.7	18.2	15.2
75°	18.2	16.7	15.2	13.6	13.6	13.6	13.6	12.1
77.5°	10.6	10.6	9.1	7.6	9.1	9.1	10.6	10.6
80°	4.5	4.5	4.5	4.5	6.1	6.1	7.6	7.6
82.5°	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5
85°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)