

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: P1320487

Luminaire Tested: LDSQA3D20R709840D010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

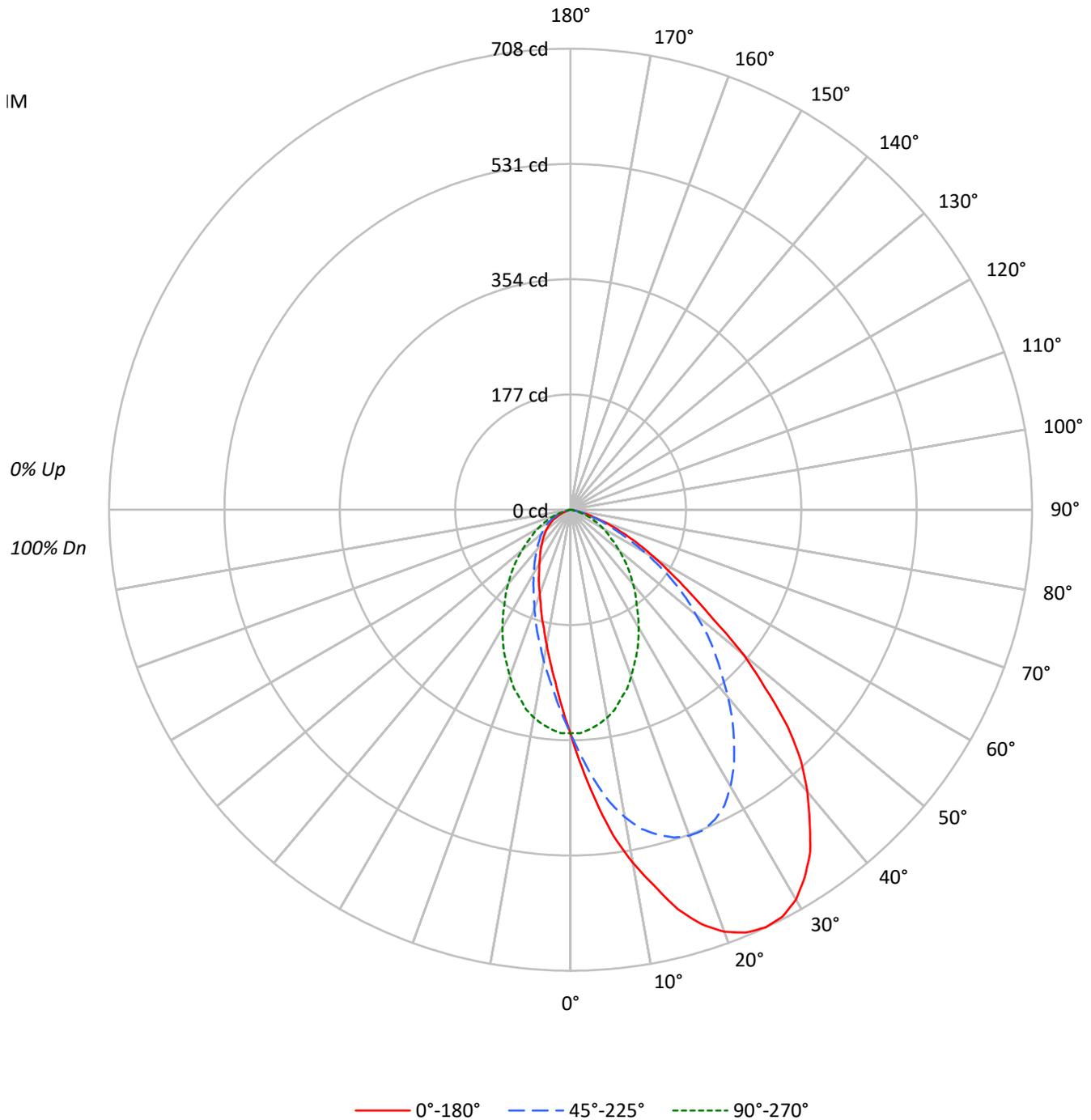
Test Method: LM-79-2019  
Report Number: P1320487  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709840D010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 770.0 lumens  
Efficiency: N/A  
Efficacy: 28.1 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): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: LDSQA3D20R709840D010 3LSQCLSWWR 1MB

### 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	59124	59124	59124	59124	59124
5°	77831	71953	58503	48994	45917
10°	96289	83820	56643	41342	36812
15°	113184	92109	53418	34929	30311
20°	126423	97631	49851	29672	25219
25°	134463	99707	45853	25540	21853
30°	137496	97563	41543	22213	18992
35°	134809	91919	37108	20078	17030
40°	127046	84465	33498	18210	15288
45°	114765	76502	29982	16562	14200
50°	92838	67251	26043	15620	13021
55°	67589	57860	22369	14593	11680
60°	52425	45742	20081	13399	10609
65°	39610	33009	16504	11859	7906
70°	27745	23667	12236	8963	4884
75°	16170	14040	6455	4325	1065
80°	3174	4860	1587	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 114765 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	4.4
10°-20°	100.1	13.0
20°-30°	150.8	19.6
30°-40°	167.7	21.8
40°-50°	148.6	19.3
50°-60°	100.9	13.1
60°-70°	52.9	6.9
70°-80°	15.0	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°	284.5	36.9
0°-40°	452.1	58.7
0°-60°	701.6	91.1
0°-90°	770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	343	343	343	343	343	
5°	450	416	338	283	266	46
15°	635	517	300	196	170	180
25°	708	525	241	134	115	325
35°	641	437	176	96	81	397
45°	471	314	123	68	58	357
55°	225	193	74	49	39	208
65°	97	81	40	29	19	98
75°	24	21	10	6	2	27
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°	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3
2.5°	395.1	393.5	391.9	391.9	390.3	388.6	385.4	385.4	382.2	378.9	375.7
5°	450.2	450.2	450.2	445.3	445.3	438.8	435.6	429.1	422.6	416.2	408.1
7.5°	505.2	505.2	500.4	498.7	493.9	487.4	482.6	472.8	461.5	451.8	438.8
10°	550.6	550.6	545.7	542.5	532.7	526.3	516.6	505.2	493.9	479.3	463.1
12.5°	591.0	592.7	586.2	579.7	570.0	560.3	547.3	532.7	518.2	502.0	480.9
15°	634.8	633.1	625.0	617.0	605.6	591.0	574.9	555.4	536.0	516.6	493.9
17.5°	667.2	665.5	657.4	647.7	633.1	615.3	597.5	574.9	552.2	527.9	500.4
20°	689.8	688.2	680.1	667.2	652.6	633.1	612.1	586.2	561.9	532.7	502.0
22.5°	702.8	701.2	691.4	680.1	662.3	641.2	618.6	591.0	563.5	532.7	498.7
25°	707.6	704.4	694.7	681.7	663.9	641.2	615.3	586.2	557.0	524.7	489.0
27.5°	704.4	701.2	689.8	675.2	655.8	629.9	604.0	574.9	544.1	511.7	474.5
30°	691.4	686.6	676.9	662.3	641.2	615.3	587.8	557.0	524.7	490.6	453.4
32.5°	668.8	665.5	655.8	639.6	618.6	592.7	565.1	532.7	500.4	466.4	429.1
35°	641.2	634.8	625.0	610.5	589.4	563.5	536.0	502.0	471.2	437.2	401.6
37.5°	602.4	600.8	589.4	578.1	557.0	529.5	503.6	471.2	440.4	408.1	372.4
40°	565.1	561.9	552.2	539.2	518.2	493.9	466.4	437.2	406.4	375.7	343.3
42.5°	523.0	518.2	511.7	498.7	479.3	455.0	429.1	400.0	372.4	343.3	314.1
45°	471.2	469.6	461.5	455.0	437.2	416.2	390.3	364.3	336.8	314.1	291.5
47.5°	404.8	403.2	401.6	396.7	387.0	372.4	353.0	328.7	307.7	285.0	254.2
50°	346.5	344.9	341.7	340.1	332.0	323.9	309.3	294.7	276.9	251.0	226.7
52.5°	275.3	276.9	281.8	283.4	281.8	275.3	268.8	263.9	239.7	223.5	200.8
55°	225.1	225.1	223.5	225.1	226.7	229.9	229.9	223.5	207.3	192.7	173.3
57.5°	184.6	184.6	184.6	184.6	184.6	186.2	186.2	184.6	176.5	161.9	144.1
60°	152.2	150.6	150.6	152.2	150.6	150.6	152.2	152.2	144.1	132.8	116.6
62.5°	123.1	123.1	123.1	121.4	121.4	123.1	123.1	121.4	115.0	103.6	92.3
65°	97.2	97.2	97.2	97.2	97.2	98.8	97.2	95.5	89.1	81.0	72.9
67.5°	74.5	74.5	76.1	74.5	76.1	76.1	76.1	72.9	68.0	61.5	56.7
70°	55.1	55.1	55.1	56.7	58.3	58.3	56.7	53.4	50.2	47.0	42.1
72.5°	37.2	38.9	38.9	38.9	40.5	40.5	38.9	37.2	35.6	32.4	30.8
75°	24.3	22.7	24.3	24.3	25.9	25.9	24.3	24.3	22.7	21.1	19.4
77.5°	11.3	11.3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	11.3	11.3
80°	3.2	3.2	3.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3
2.5°	372.4	367.6	361.1	343.3	327.1	312.5	304.4	302.8
5°	398.3	391.9	375.7	338.4	307.7	283.4	268.8	265.6
7.5°	425.9	412.9	390.3	332.0	288.2	257.5	241.3	236.4
10°	446.9	430.7	400.0	323.9	268.8	236.4	217.0	210.5
12.5°	461.5	442.1	408.1	314.1	252.6	213.7	194.3	187.8
15°	469.6	448.5	409.7	299.6	233.2	195.9	174.9	170.0
17.5°	472.8	448.5	406.4	288.2	215.4	178.1	158.7	152.2
20°	471.2	442.1	398.3	272.0	199.2	161.9	142.5	137.6
22.5°	464.7	432.4	385.4	255.8	183.0	145.7	129.5	126.3
25°	455.0	419.4	370.8	241.3	168.4	134.4	118.2	115.0
27.5°	438.8	403.2	351.4	225.1	155.5	123.1	108.5	103.6
30°	417.8	383.8	332.0	208.9	142.5	111.7	98.8	95.5
32.5°	395.1	361.1	312.5	192.7	131.2	103.6	90.7	87.4
35°	369.2	336.8	288.2	176.5	119.8	95.5	82.6	81.0
37.5°	343.3	310.9	267.2	163.5	110.1	87.4	76.1	74.5
40°	314.1	288.2	255.8	149.0	102.0	81.0	71.2	68.0
42.5°	296.3	260.7	220.2	136.0	93.9	74.5	64.8	63.2
45°	257.5	231.6	199.2	123.1	85.8	68.0	59.9	58.3
47.5°	231.6	208.9	178.1	110.1	79.3	63.2	55.1	53.4
50°	205.7	184.6	155.5	97.2	72.9	58.3	50.2	48.6
52.5°	179.7	158.7	132.8	85.8	64.8	53.4	45.3	43.7
55°	153.8	134.4	110.1	74.5	58.3	48.6	42.1	38.9
57.5°	126.3	110.1	93.9	66.4	51.8	43.7	37.2	34.0
60°	102.0	92.3	79.3	58.3	45.3	38.9	32.4	30.8
62.5°	82.6	74.5	66.4	50.2	40.5	34.0	29.1	24.3
65°	66.4	61.5	55.1	40.5	34.0	29.1	24.3	19.4
67.5°	51.8	48.6	43.7	34.0	27.5	24.3	17.8	14.6
70°	40.5	37.2	34.0	24.3	21.1	17.8	13.0	9.7
72.5°	29.1	25.9	24.3	17.8	14.6	13.0	8.1	4.9
75°	17.8	17.8	14.6	9.7	8.1	6.5	3.2	1.6
77.5°	9.7	9.7	8.1	4.9	4.9	1.6	0.0	0.0
80°	4.9	3.2	3.2	1.6	1.6	0.0	0.0	0.0
82.5°	1.6	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)