

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: P1312947

Luminaire Tested: LDSQA3D20R709050D010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

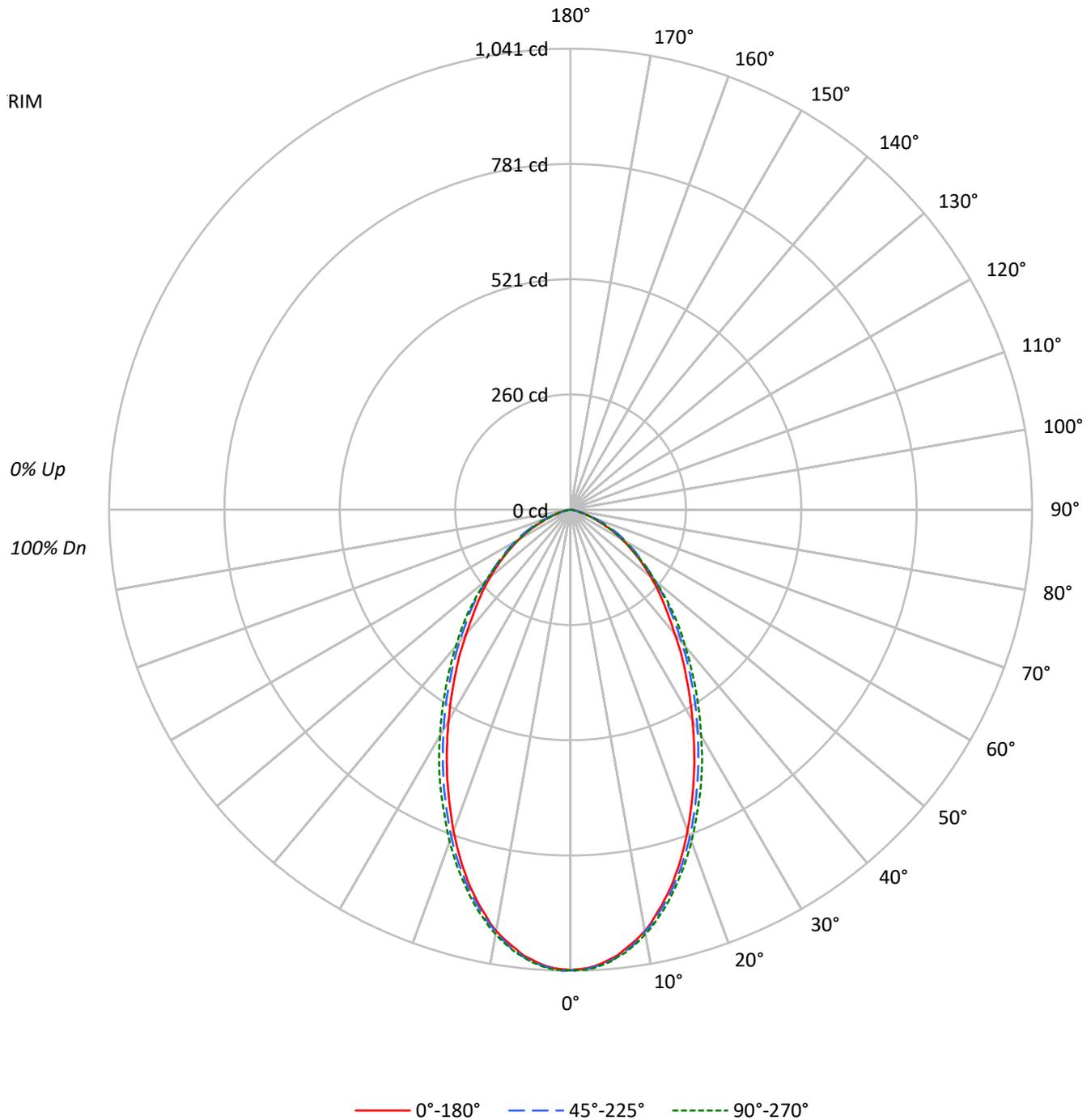
Test Method: LM-79-2019  
Report Number: P1312947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709050D010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1488.0 lumens  
Efficiency: N/A  
Efficacy: 51.7 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
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: P1312947  
CATALOG NUMBER: LDSQA3D20R709050D010 3LSQCLDWWR1MMS

### 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	100	100	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35	35

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

	0°	45°	90°
0°	179008	179008	179008
5°	176183	176822	177133
10°	168864	169178	170140
15°	156688	158008	159327
20°	141434	144146	146181
25°	125247	128762	131917
30°	109416	113811	117112
35°	95094	100140	103251
40°	82172	87568	90490
45°	71948	76892	79133
50°	63312	66286	66286
55°	54888	57650	55999
60°	46431	49600	47051
65°	36106	41363	37613
70°	26033	30666	26033
75°	19630	18432	14772
80°	12794	9124	3670
85°	3557	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 79133 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.8	6.4
10°-20°	247.4	16.6
20°-30°	310.5	20.9
30°-40°	296.5	19.9
40°-50°	241.1	16.2
50°-60°	168.8	11.3
60°-70°	95.3	6.4
70°-80°	30.2	2.0
80°-90°	2.3	0.2
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°	653.7	43.9
0°-40°	950.2	63.9
0°-60°	1360.1	91.4
0°-90°	1488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1019	1021	1023	1021	1025	96
15°	879	881	886	888	894	245
25°	659	666	678	689	694	302
35°	452	460	476	486	491	284
45°	295	303	316	321	325	229
55°	183	185	192	188	186	164
65°	89	94	102	96	92	89
75°	30	30	28	24	22	32
85°	2	2	0	0	0	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1039.4	1039.4	1039.4	1039.4	1039.4
1°	1037.6	1039.4	1041.3	1037.6	1039.4
2°	1035.7	1037.6	1037.6	1035.7	1039.4
3°	1032.0	1033.9	1033.9	1032.0	1035.7
4°	1026.5	1028.3	1028.3	1026.5	1030.2
5°	1019.1	1020.9	1022.8	1020.9	1024.6
6°	1011.7	1013.6	1015.4	1013.6	1015.4
7°	1000.6	1004.3	1004.3	1004.3	1008.0
8°	989.6	993.2	995.1	993.2	996.9
9°	978.5	980.3	982.2	982.2	985.9
10°	965.6	967.4	967.4	969.2	972.9
11°	950.8	950.8	954.5	954.5	960.0
12°	932.3	934.2	937.9	939.7	943.4
13°	915.7	917.6	921.2	923.1	928.6
14°	897.2	900.9	904.6	906.5	912.0
15°	878.8	880.6	886.2	888.0	893.6
17.5°	827.1	828.9	838.2	841.9	847.4
20°	771.7	777.2	786.5	792.0	797.6
22.5°	714.5	720.0	731.1	740.3	744.0
25°	659.1	666.5	677.6	688.6	694.2
27.5°	603.7	611.1	624.0	635.1	642.5
30°	550.2	557.5	572.3	581.5	588.9
32.5°	500.3	507.7	524.3	533.5	539.1
35°	452.3	459.7	476.3	485.5	491.1
37.5°	409.9	417.2	432.0	441.2	444.9
40°	365.5	374.8	389.5	398.8	402.5
42.5°	328.6	336.0	350.8	358.2	363.7
45°	295.4	302.8	315.7	321.2	324.9
47.5°	265.9	269.5	280.6	282.5	286.2
50°	236.3	240.0	247.4	249.2	247.4
52.5°	208.6	212.3	217.9	216.0	216.0
55°	182.8	184.6	192.0	188.3	186.5
57.5°	156.9	160.6	168.0	162.5	160.6
60°	134.8	138.5	144.0	140.3	136.6
62.5°	112.6	114.5	123.7	116.3	112.6
65°	88.6	94.2	101.5	96.0	92.3
67.5°	66.5	75.7	83.1	75.7	72.0
70°	51.7	55.4	60.9	57.2	51.7
72.5°	38.8	40.6	42.5	38.8	35.1
75°	29.5	29.5	27.7	24.0	22.2
77.5°	20.3	20.3	16.6	11.1	11.1
80°	12.9	12.9	9.2	3.7	3.7
82.5°	5.5	5.5	3.7	1.8	1.8
85°	1.8	1.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)