

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: P1311873

Luminaire Tested: LDSQA3D20R709040D010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311873  
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: LDSQA3D20R709040D010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

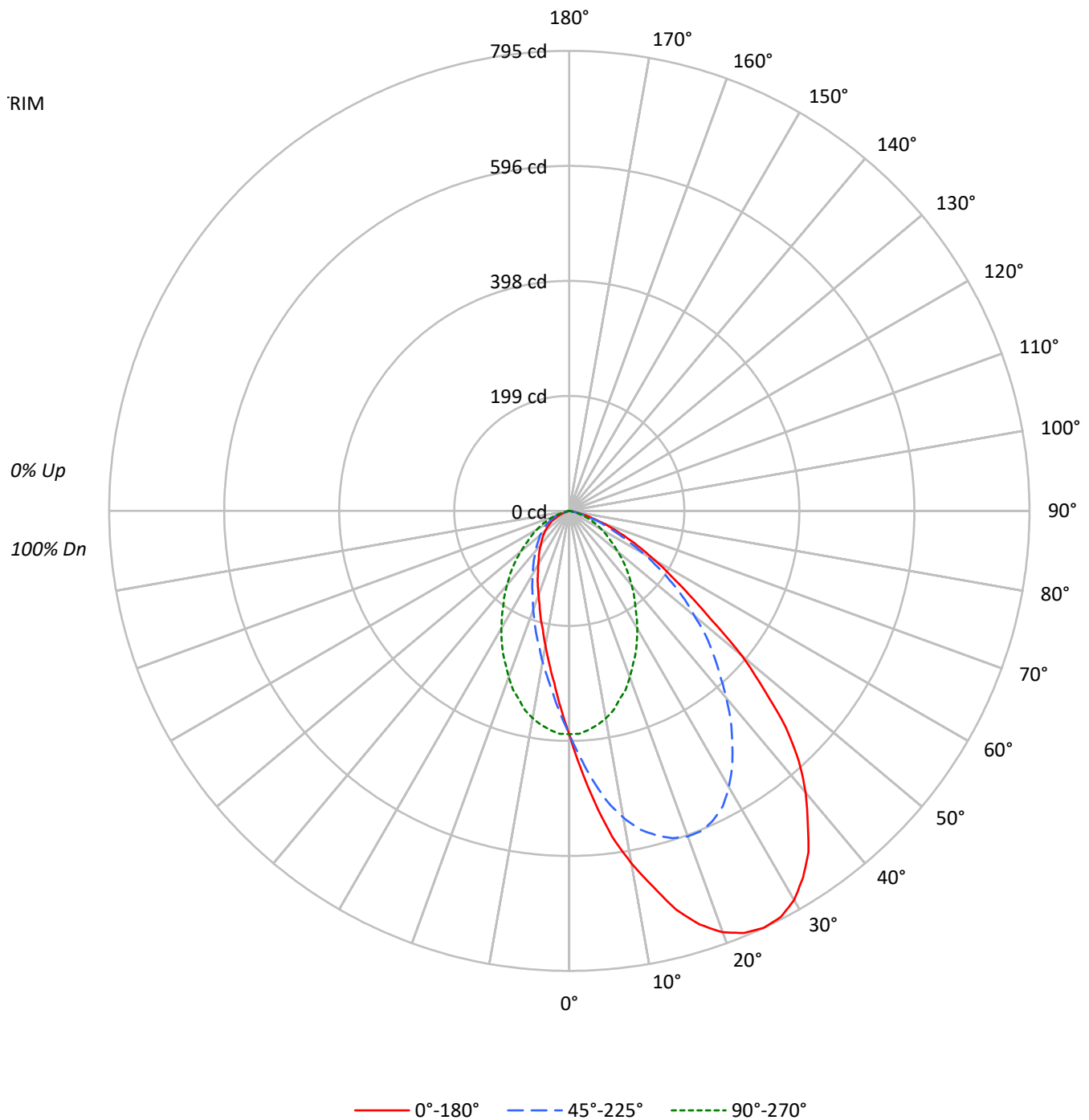
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 865.0 lumens  
Efficiency: N/A  
Efficacy: 30.0 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

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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	0
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°	66409	66409	66409	66409	66409
5°	87426	80822	65729	55028	51570
10°	108163	94155	63621	46448	41359
15°	127144	103466	59997	39243	34055
20°	142020	109690	56009	33338	28334
25°	151052	112002	51497	28694	24551
30°	154459	109615	46674	24958	21338
35°	151461	103272	41692	22559	19132
40°	142739	94874	37635	20459	17176
45°	128940	85952	33684	18608	15953
50°	104305	75557	29231	17549	14629
55°	75936	65007	25132	16394	13121
60°	58900	51391	22561	15052	11918
65°	44460	37084	18542	13326	8884
70°	31119	26587	13747	10071	5489
75°	18166	15704	7253	4858	1198
80°	3570	5455	1785	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 128940 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.7	4.4
10°-20°	112.4	13.0
20°-30°	169.4	19.6
30°-40°	188.3	21.8
40°-50°	166.9	19.3
50°-60°	113.3	13.1
60°-70°	59.4	6.9
70°-80°	16.9	2.0
80°-90°	0.5	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°	319.6	36.9
0°-40°	507.9	58.7
0°-60°	788.2	91.1
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	386	386	386	386	386	
5°	506	468	380	318	298	52
15°	713	580	336	220	191	202
25°	795	589	271	151	129	365
35°	720	491	198	107	91	446
45°	529	353	138	76	66	401
55°	253	216	84	55	44	234
65°	109	91	46	33	22	110
75°	27	24	11	7	2	30
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°	385.6	385.6	385.6	385.6	385.6	385.6	385.6	385.6	385.6	385.6	385.6
2.5°	443.9	442.0	440.2	440.2	438.4	436.6	432.9	432.9	429.3	425.7	422.0
5°	505.7	505.7	505.7	500.2	500.2	493.0	489.3	482.1	474.8	467.5	458.4
7.5°	567.6	567.6	562.1	560.3	554.8	547.5	542.1	531.2	518.4	507.5	493.0
10°	618.5	618.5	613.0	609.4	598.5	591.2	580.3	567.6	554.8	538.4	520.3
12.5°	664.0	665.8	658.5	651.2	640.3	629.4	614.9	598.5	582.1	563.9	540.3
15°	713.1	711.3	702.2	693.1	680.3	664.0	645.8	623.9	602.1	580.3	554.8
17.5°	749.5	747.6	738.5	727.6	711.3	691.3	671.2	645.8	620.3	593.0	562.1
20°	774.9	773.1	764.0	749.5	733.1	711.3	687.6	658.5	631.2	598.5	563.9
22.5°	789.5	787.7	776.7	764.0	744.0	720.4	694.9	664.0	633.0	598.5	560.3
25°	794.9	791.3	780.4	765.8	745.8	720.4	691.3	658.5	625.8	589.4	549.4
27.5°	791.3	787.7	774.9	758.6	736.7	707.6	678.5	645.8	611.2	574.8	533.0
30°	776.7	771.3	760.4	744.0	720.4	691.3	660.3	625.8	589.4	551.2	509.3
32.5°	751.3	747.6	736.7	718.5	694.9	665.8	634.9	598.5	562.1	523.9	482.1
35°	720.4	713.1	702.2	685.8	662.1	633.0	602.1	563.9	529.4	491.2	451.1
37.5°	676.7	674.9	662.1	649.4	625.8	594.8	565.7	529.4	494.8	458.4	418.4
40°	634.9	631.2	620.3	605.8	582.1	554.8	523.9	491.2	456.6	422.0	385.6
42.5°	587.6	582.1	574.8	560.3	538.4	511.2	482.1	449.3	418.4	385.6	352.9
45°	529.4	527.5	518.4	511.2	491.2	467.5	438.4	409.3	378.4	352.9	327.4
47.5°	454.8	453.0	451.1	445.7	434.8	418.4	396.6	369.3	345.6	320.2	285.6
50°	389.3	387.5	383.8	382.0	372.9	363.8	347.4	331.1	311.1	282.0	254.7
52.5°	309.2	311.1	316.5	318.3	316.5	309.2	302.0	296.5	269.2	251.0	225.6
55°	252.9	252.9	251.0	252.9	254.7	258.3	258.3	251.0	232.8	216.5	194.6
57.5°	207.4	207.4	207.4	207.4	207.4	209.2	209.2	207.4	198.3	181.9	161.9
60°	171.0	169.2	169.2	171.0	169.2	169.2	171.0	171.0	161.9	149.2	131.0
62.5°	138.3	138.3	138.3	136.4	136.4	138.3	138.3	136.4	129.2	116.4	103.7
65°	109.1	109.1	109.1	109.1	109.1	111.0	109.1	107.3	100.0	91.0	81.9
67.5°	83.7	83.7	85.5	83.7	85.5	85.5	85.5	81.9	76.4	69.1	63.7
70°	61.8	61.8	61.8	63.7	65.5	65.5	63.7	60.0	56.4	52.8	47.3
72.5°	41.8	43.7	43.7	43.7	45.5	45.5	43.7	41.8	40.0	36.4	34.6
75°	27.3	25.5	27.3	27.3	29.1	29.1	27.3	27.3	25.5	23.6	21.8
77.5°	12.7	12.7	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.7	12.7
80°	3.6	3.6	3.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
82.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	385.6	385.6	385.6	385.6	385.6	385.6	385.6	385.6
2.5°	418.4	412.9	405.7	385.6	367.5	351.1	342.0	340.2
5°	447.5	440.2	422.0	380.2	345.6	318.3	302.0	298.3
7.5°	478.4	463.9	438.4	372.9	323.8	289.2	271.0	265.6
10°	502.1	483.9	449.3	363.8	302.0	265.6	243.8	236.5
12.5°	518.4	496.6	458.4	352.9	283.8	240.1	218.3	211.0
15°	527.5	503.9	460.2	336.5	261.9	220.1	196.5	191.0
17.5°	531.2	503.9	456.6	323.8	241.9	200.1	178.3	171.0
20°	529.4	496.6	447.5	305.6	223.7	181.9	160.1	154.6
22.5°	522.1	485.7	432.9	287.4	205.6	163.7	145.5	141.9
25°	511.2	471.1	416.6	271.0	189.2	151.0	132.8	129.2
27.5°	493.0	453.0	394.7	252.9	174.6	138.3	121.9	116.4
30°	469.3	431.1	372.9	234.7	160.1	125.5	111.0	107.3
32.5°	443.9	405.7	351.1	216.5	147.3	116.4	101.9	98.2
35°	414.8	378.4	323.8	198.3	134.6	107.3	92.8	91.0
37.5°	385.6	349.3	300.1	183.7	123.7	98.2	85.5	83.7
40°	352.9	323.8	287.4	167.4	114.6	91.0	80.0	76.4
42.5°	332.9	292.9	247.4	152.8	105.5	83.7	72.8	70.9
45°	289.2	260.1	223.7	138.3	96.4	76.4	67.3	65.5
47.5°	260.1	234.7	200.1	123.7	89.1	70.9	61.8	60.0
50°	231.0	207.4	174.6	109.1	81.9	65.5	56.4	54.6
52.5°	201.9	178.3	149.2	96.4	72.8	60.0	50.9	49.1
55°	172.8	151.0	123.7	83.7	65.5	54.6	47.3	43.7
57.5°	141.9	123.7	105.5	74.6	58.2	49.1	41.8	38.2
60°	114.6	103.7	89.1	65.5	50.9	43.7	36.4	34.6
62.5°	92.8	83.7	74.6	56.4	45.5	38.2	32.7	27.3
65°	74.6	69.1	61.8	45.5	38.2	32.7	27.3	21.8
67.5°	58.2	54.6	49.1	38.2	30.9	27.3	20.0	16.4
70°	45.5	41.8	38.2	27.3	23.6	20.0	14.6	10.9
72.5°	32.7	29.1	27.3	20.0	16.4	14.6	9.1	5.5
75°	20.0	20.0	16.4	10.9	9.1	7.3	3.6	1.8
77.5°	10.9	10.9	9.1	5.5	5.5	1.8	0.0	0.0
80°	5.5	3.6	3.6	1.8	1.8	0.0	0.0	0.0
82.5°	1.8	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)