

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: P1309330

Luminaire Tested: LDSQA3D13R709030DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

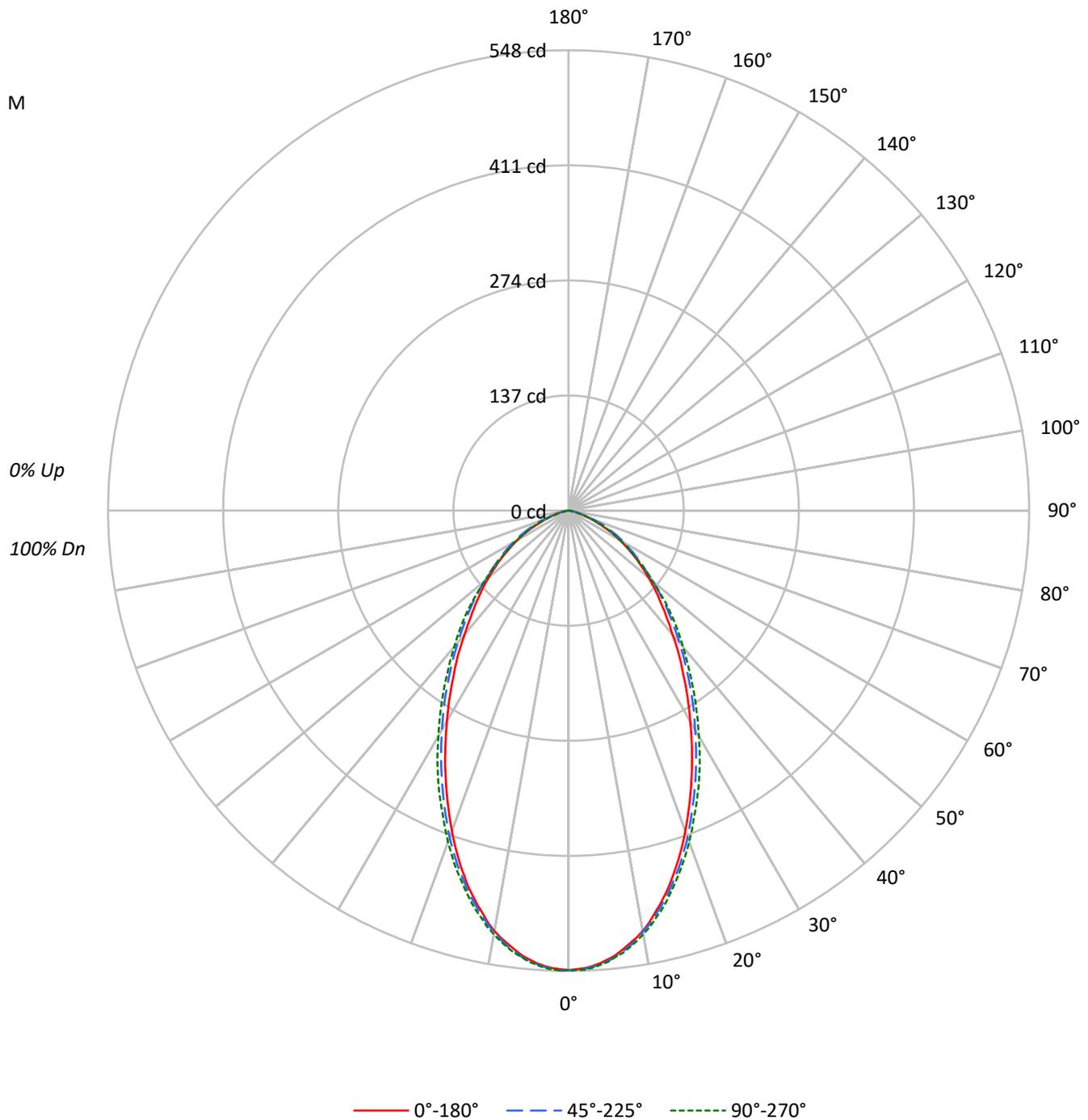
Test Method: LM-79-2019  
Report Number: P1309330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709030DE010 3LSQCLDWWR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLDWWR1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 783.0 lumens  
Efficiency: N/A  
Efficacy: 53.6 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): 14.6  
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: P1309330  
CATALOG NUMBER: LDSQA3D13R709030DE010 3LSQCLDWWR1MB

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

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

	0°	45°	90°
0°	94189	94189	94189
5°	92716	93044	93217
10°	88856	89031	89538
15°	82445	83140	83836
20°	74428	75858	76921
25°	65901	67745	69417
30°	57572	59898	61628
35°	50038	52687	54327
40°	43256	46088	47617
45°	37849	40455	41649
50°	33304	34885	34885
55°	28885	30326	29456
60°	24421	26109	24766
65°	18990	21761	19805
70°	13696	16164	13696
75°	10314	9715	7785
80°	6744	4860	1884
85°	1976	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 41649 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.4	6.4
10°-20°	130.2	16.6
20°-30°	163.4	20.9
30°-40°	156.1	19.9
40°-50°	126.9	16.2
50°-60°	88.8	11.3
60°-70°	50.1	6.4
70°-80°	15.9	2.0
80°-90°	1.2	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°	344.0	43.9
0°-40°	500.0	63.9
0°-60°	715.7	91.4
0°-90°	783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	547	547	547	547	547	
5°	536	537	538	537	539	50
15°	462	463	466	467	470	129
25°	347	351	356	362	365	159
35°	238	242	251	256	258	149
45°	155	159	166	169	171	121
55°	96	97	101	99	98	86
65°	47	50	53	50	49	47
75°	16	16	15	13	12	17
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	546.9	546.9	546.9	546.9	546.9
1°	546.0	546.9	547.9	546.0	546.9
2°	545.0	546.0	546.0	545.0	546.9
3°	543.1	544.0	544.0	543.1	545.0
4°	540.1	541.1	541.1	540.1	542.1
5°	536.3	537.2	538.2	537.2	539.2
6°	532.4	533.3	534.3	533.3	534.3
7°	526.5	528.5	528.5	528.5	530.4
8°	520.7	522.7	523.6	522.7	524.6
9°	514.9	515.9	516.8	516.8	518.8
10°	508.1	509.1	509.1	510.0	512.0
11°	500.3	500.3	502.3	502.3	505.2
12°	490.6	491.6	493.5	494.5	496.4
13°	481.9	482.8	484.8	485.7	488.7
14°	472.1	474.1	476.0	477.0	479.9
15°	462.4	463.4	466.3	467.3	470.2
17.5°	435.2	436.2	441.1	443.0	445.9
20°	406.1	409.0	413.9	416.8	419.7
22.5°	376.0	378.9	384.7	389.6	391.5
25°	346.8	350.7	356.5	362.4	365.3
27.5°	317.7	321.6	328.4	334.2	338.1
30°	289.5	293.4	301.2	306.0	309.9
32.5°	263.3	267.2	275.9	280.8	283.7
35°	238.0	241.9	250.6	255.5	258.4
37.5°	215.7	219.6	227.3	232.2	234.1
40°	192.4	197.2	205.0	209.8	211.8
42.5°	172.9	176.8	184.6	188.5	191.4
45°	155.4	159.3	166.1	169.0	171.0
47.5°	139.9	141.8	147.7	148.6	150.6
50°	124.3	126.3	130.2	131.2	130.2
52.5°	109.8	111.7	114.6	113.7	113.7
55°	96.2	97.1	101.0	99.1	98.1
57.5°	82.6	84.5	88.4	85.5	84.5
60°	70.9	72.9	75.8	73.8	71.9
62.5°	59.3	60.2	65.1	61.2	59.3
65°	46.6	49.5	53.4	50.5	48.6
67.5°	35.0	39.8	43.7	39.8	37.9
70°	27.2	29.1	32.1	30.1	27.2
72.5°	20.4	21.4	22.3	20.4	18.5
75°	15.5	15.5	14.6	12.6	11.7
77.5°	10.7	10.7	8.7	5.8	5.8
80°	6.8	6.8	4.9	1.9	1.9
82.5°	2.9	2.9	1.9	1.0	1.0
85°	1.0	1.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309330  
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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)