

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: P1313402

Luminaire Tested: LDSQA3D05R509727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

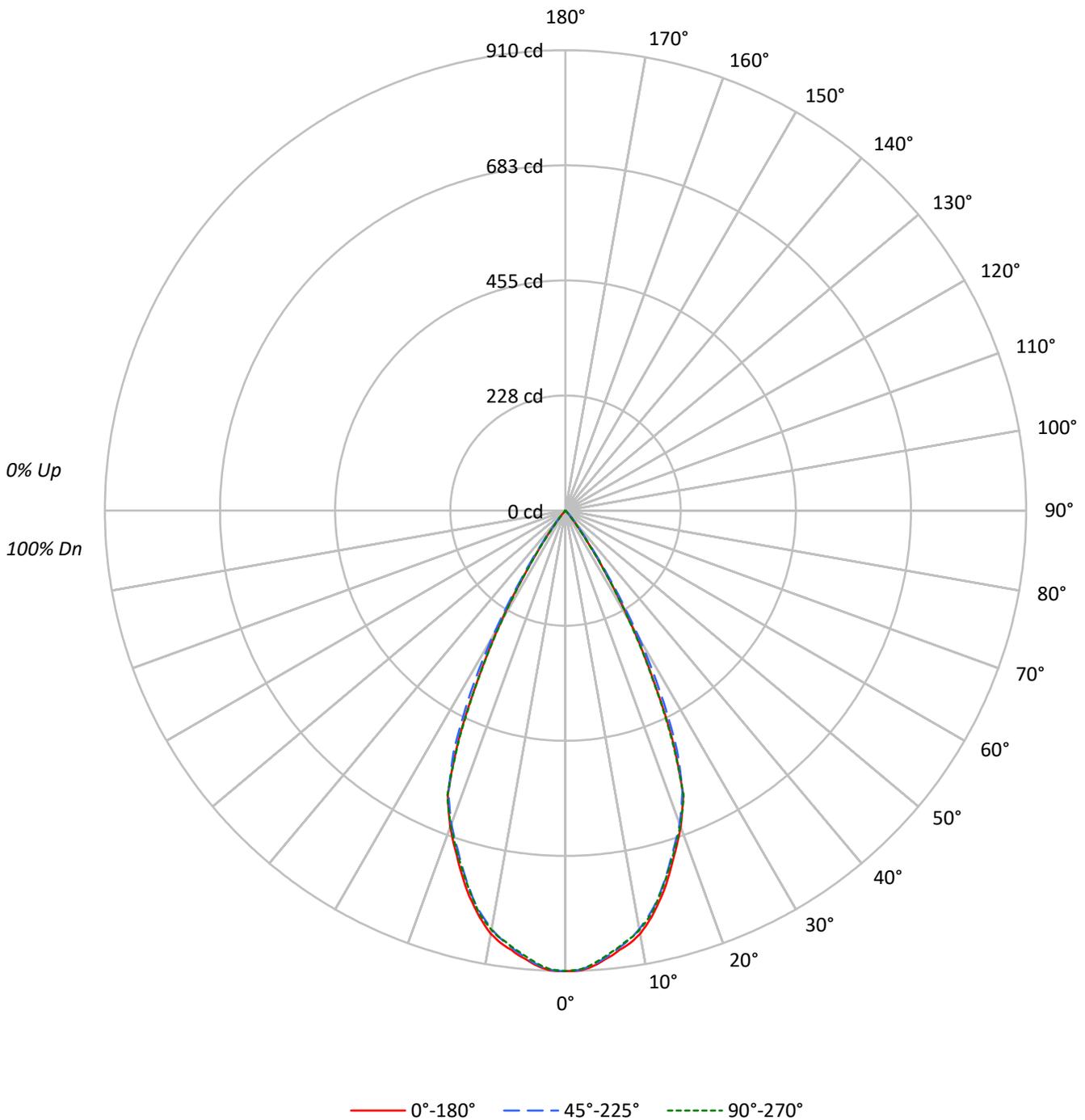
Test Method: LM-79-2019  
Report Number: P1313402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509727DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 586.0 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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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### 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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	156723	156723	156723
5°	153985	153552	153120
10°	148508	146899	147196
15°	136612	134900	135275
20°	121988	120834	121530
25°	94937	98928	93911
30°	51427	57432	50512
35°	16210	19300	15852
40°	3575	4991	3395
45°	97	1534	97
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1534 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	14.2
10°-20°	211.8	36.1
20°-30°	223.1	38.1
30°-40°	63.7	10.9
40°-50°	3.9	0.7
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	518.3	88.5
0°-40°	582.0	99.3
0°-60°	586.0	100.0
0°-90°	586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	891	890	888	887	886	84
15°	766	761	757	758	759	213
25°	500	518	521	515	494	219
35°	77	83	92	78	75	60
45°	0	2	6	2	0	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	910.0	910.0	910.0	910.0	910.0
1°	910.4	910.8	910.0	910.8	908.7
2°	909.2	908.3	907.5	907.9	906.7
3°	904.6	904.1	902.5	902.9	901.2
4°	898.7	897.4	896.2	895.3	893.7
5°	890.7	889.9	888.2	887.4	885.7
6°	884.0	882.3	879.4	878.6	876.9
7°	875.2	874.4	870.6	869.8	868.9
8°	868.5	866.0	861.4	861.8	859.7
9°	859.7	856.4	851.7	851.7	852.2
10°	849.2	844.2	840.0	841.3	841.7
11°	835.4	832.0	825.8	828.7	828.7
12°	820.3	816.1	811.5	814.0	815.7
13°	802.7	799.3	795.2	797.7	796.8
14°	785.5	779.2	776.3	779.6	778.4
15°	766.2	761.2	756.6	757.8	758.7
17.5°	714.7	709.2	705.9	706.3	710.1
20°	665.6	663.5	659.3	661.0	663.1
22.5°	607.8	608.6	603.6	604.9	609.9
25°	499.6	518.1	520.6	514.7	494.2
27.5°	370.1	397.8	406.2	392.8	367.6
30°	258.6	266.2	288.8	263.2	254.0
32.5°	151.7	163.1	175.2	157.6	151.3
35°	77.1	82.6	91.8	78.0	75.4
37.5°	35.6	38.1	41.9	35.6	33.5
40°	15.9	18.9	22.2	18.0	15.1
42.5°	5.0	8.8	11.7	8.0	4.6
45°	0.4	2.1	6.3	2.1	0.4
47.5°	0.0	0.4	2.5	0.4	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)