

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: P1314374

Luminaire Tested: LDSQA3D05R509730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

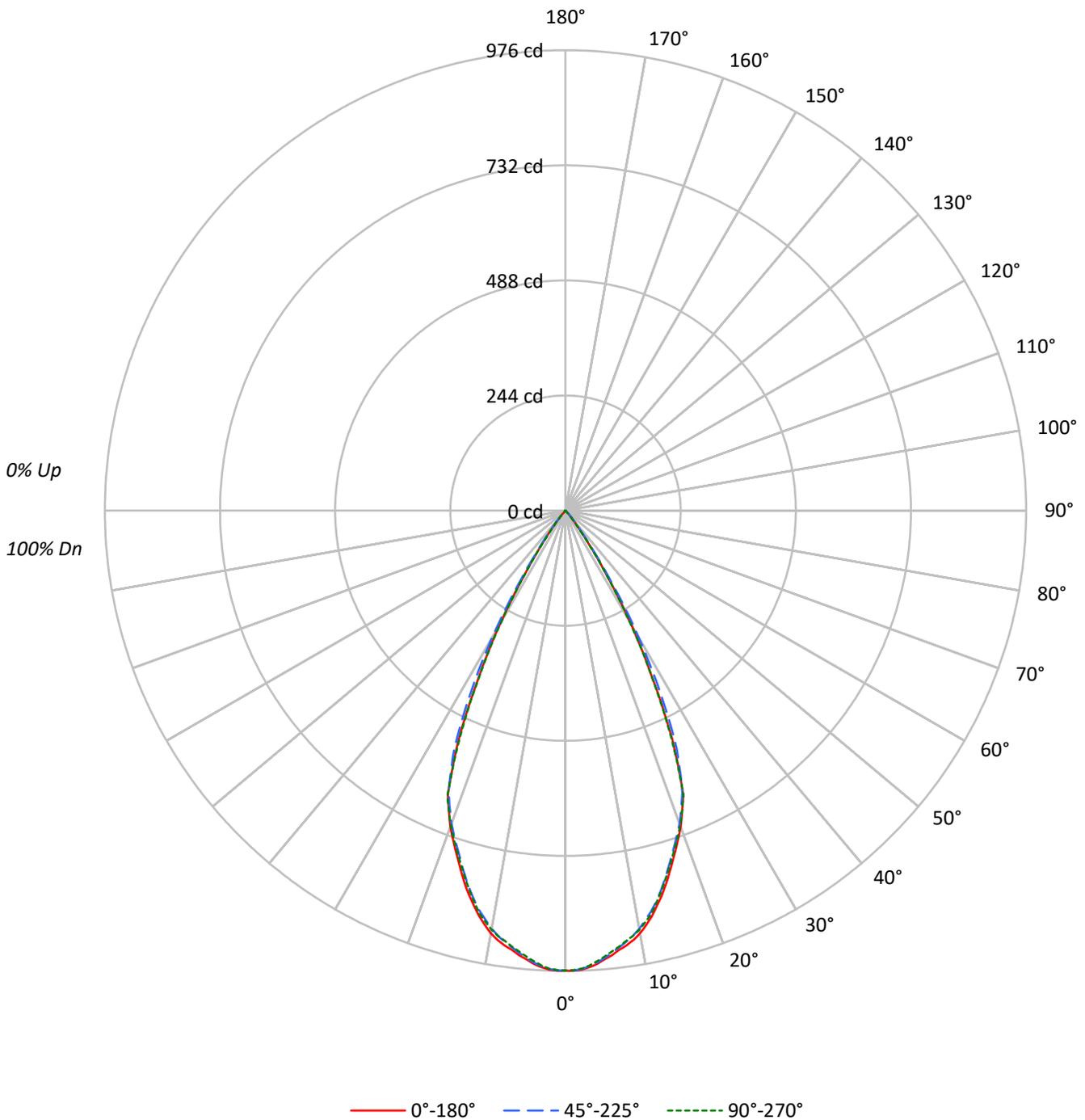
Test Method: LM-79-2019  
Report Number: P1314374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 628.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 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 (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: P1314374  
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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	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	76	72	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	167952	167952	167952
5°	165032	164565	164098
10°	159158	157426	157741
15°	146418	144564	144974
20°	130730	129502	130236
25°	101759	106016	100638
30°	55126	61549	54131
35°	17387	20688	17009
40°	3844	5351	3642
45°	97	1632	97
50°	0	241	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: 1632 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	14.2
10°-20°	227.0	36.1
20°-30°	239.1	38.1
30°-40°	68.3	10.9
40°-50°	4.2	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°	555.5	88.5
0°-40°	623.8	99.3
0°-60°	628.0	100.0
0°-90°	628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	955	954	952	951	949	90
15°	821	816	811	812	813	229
25°	536	555	558	552	530	234
35°	83	88	98	84	81	64
45°	0	2	7	2	0	3
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°	975.2	975.2	975.2	975.2	975.2
1°	975.7	976.1	975.2	976.1	973.9
2°	974.3	973.4	972.5	973.0	971.6
3°	969.4	968.9	967.1	967.6	965.8
4°	963.1	961.8	960.4	959.5	957.7
5°	954.6	953.7	951.9	951.0	949.2
6°	947.4	945.6	942.4	941.5	939.7
7°	937.9	937.0	933.0	932.1	931.2
8°	930.8	928.1	923.1	923.6	921.3
9°	921.3	917.7	912.8	912.8	913.2
10°	910.1	904.7	900.2	901.6	902.0
11°	895.3	891.7	884.9	888.1	888.1
12°	879.1	874.6	869.7	872.4	874.2
13°	860.2	856.6	852.1	854.8	853.9
14°	841.8	835.1	831.9	835.5	834.2
15°	821.2	815.8	810.8	812.2	813.1
17.5°	765.9	760.1	756.5	756.9	761.0
20°	713.3	711.1	706.6	708.4	710.6
22.5°	651.4	652.2	646.9	648.2	653.6
25°	535.5	555.2	557.9	551.6	529.6
27.5°	396.7	426.3	435.3	420.9	394.0
30°	277.2	285.2	309.5	282.1	272.2
32.5°	162.6	174.7	187.8	168.9	162.2
35°	82.7	88.5	98.4	83.6	80.9
37.5°	38.2	40.9	44.9	38.2	35.9
40°	17.1	20.2	23.8	19.3	16.2
42.5°	5.4	9.4	12.6	8.5	4.9
45°	0.4	2.2	6.7	2.2	0.4
47.5°	0.0	0.4	2.7	0.4	0.0
50°	0.0	0.0	0.9	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)