

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: P1311238

Luminaire Tested: LDSQA3D05R709040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

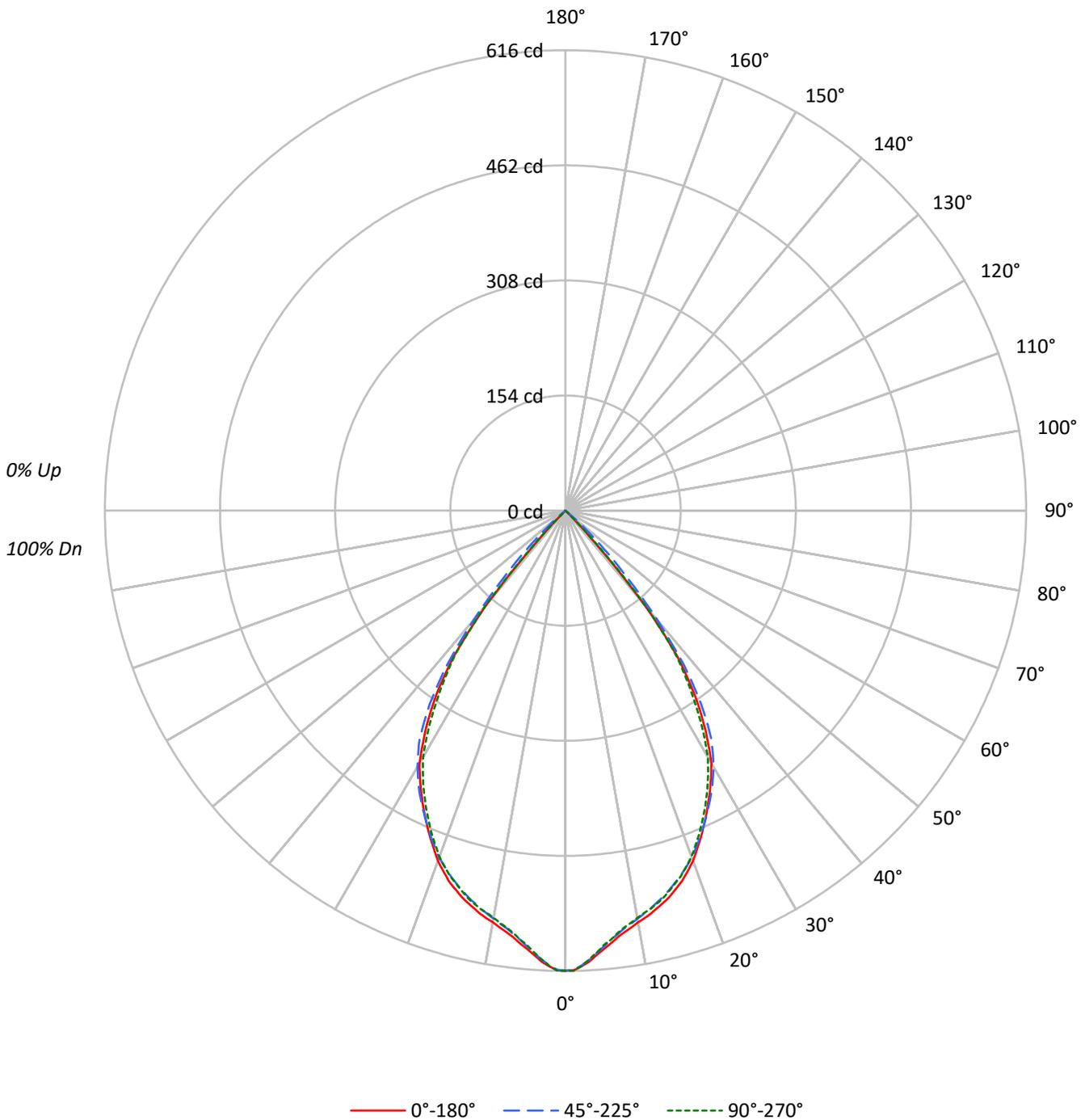
Test Method: LM-79-2019  
Report Number: P1311238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 637.0 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
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: P1311238  
CATALOG NUMBER: LDSQA3D05R709040DE010 3LSQCDR1MB

### 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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68			
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63			
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48			

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

	0°	45°	90°
0°	106037	106037	106037
5°	101792	101222	100945
10°	97793	96936	96743
15°	95479	94124	94320
20°	91418	90538	90336
25°	84866	85056	83726
30°	77657	78731	75728
35°	63536	66585	61055
40°	36578	42626	37545
45°	536	17707	1827
50°	0	1876	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: 17707 cd/sqm



TEST NUMBER: P1311238

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	8.6
10°-20°	148.9	23.4
20°-30°	204.5	32.1
30°-40°	185.4	29.1
40°-50°	43.1	6.8
50°-60°	0.2	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°	408.3	64.1
0°-40°	593.7	93.2
0°-60°	637.0	100.0
0°-90°	637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	589	587	586	584	584	55
15°	536	532	528	528	529	150
25°	447	449	448	443	441	205
35°	302	306	317	303	290	182
45°	2	24	73	31	8	26
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°	615.7	615.7	615.7	615.7	615.7
1°	615.2	614.1	614.6	615.2	615.7
2°	610.3	609.3	609.3	609.8	609.8
3°	604.4	602.2	602.2	601.7	601.7
4°	596.3	594.7	593.6	593.1	593.1
5°	588.8	587.2	585.5	584.5	583.9
6°	582.3	579.6	577.5	576.9	577.5
7°	574.8	573.2	571.0	569.4	569.9
8°	569.4	567.2	564.5	563.5	563.5
9°	564.5	562.4	559.7	557.5	558.6
10°	559.2	557.0	554.3	552.7	553.2
11°	555.4	552.7	549.5	548.4	548.9
12°	551.1	547.8	544.6	544.1	545.1
13°	545.7	542.5	539.2	539.2	540.3
14°	540.8	537.1	533.8	533.8	535.5
15°	535.5	531.7	527.9	527.9	529.0
17.5°	519.3	516.1	512.3	512.3	512.8
20°	498.8	497.2	494.0	492.4	492.9
22.5°	473.0	473.0	471.3	468.7	467.6
25°	446.6	448.7	447.6	443.3	440.6
27.5°	419.1	422.9	423.4	416.9	412.1
30°	390.5	393.8	395.9	388.4	380.8
32.5°	348.5	358.2	363.6	353.4	337.8
35°	302.2	306.5	316.7	303.3	290.4
37.5°	245.6	251.0	259.6	248.9	241.3
40°	162.7	184.2	189.6	184.2	167.0
42.5°	58.7	103.4	124.4	105.6	69.0
45°	2.2	24.2	72.7	31.2	7.5
47.5°	0.0	0.5	32.9	1.1	0.0
50°	0.0	0.0	7.0	0.0	0.0
52.5°	0.0	0.0	0.5	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



TEST NUMBER: P1311238

CATALOG NUMBER: LDSQA3D05R709040DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)