

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: P1310108

Luminaire Tested: LDSQA3D05R609035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

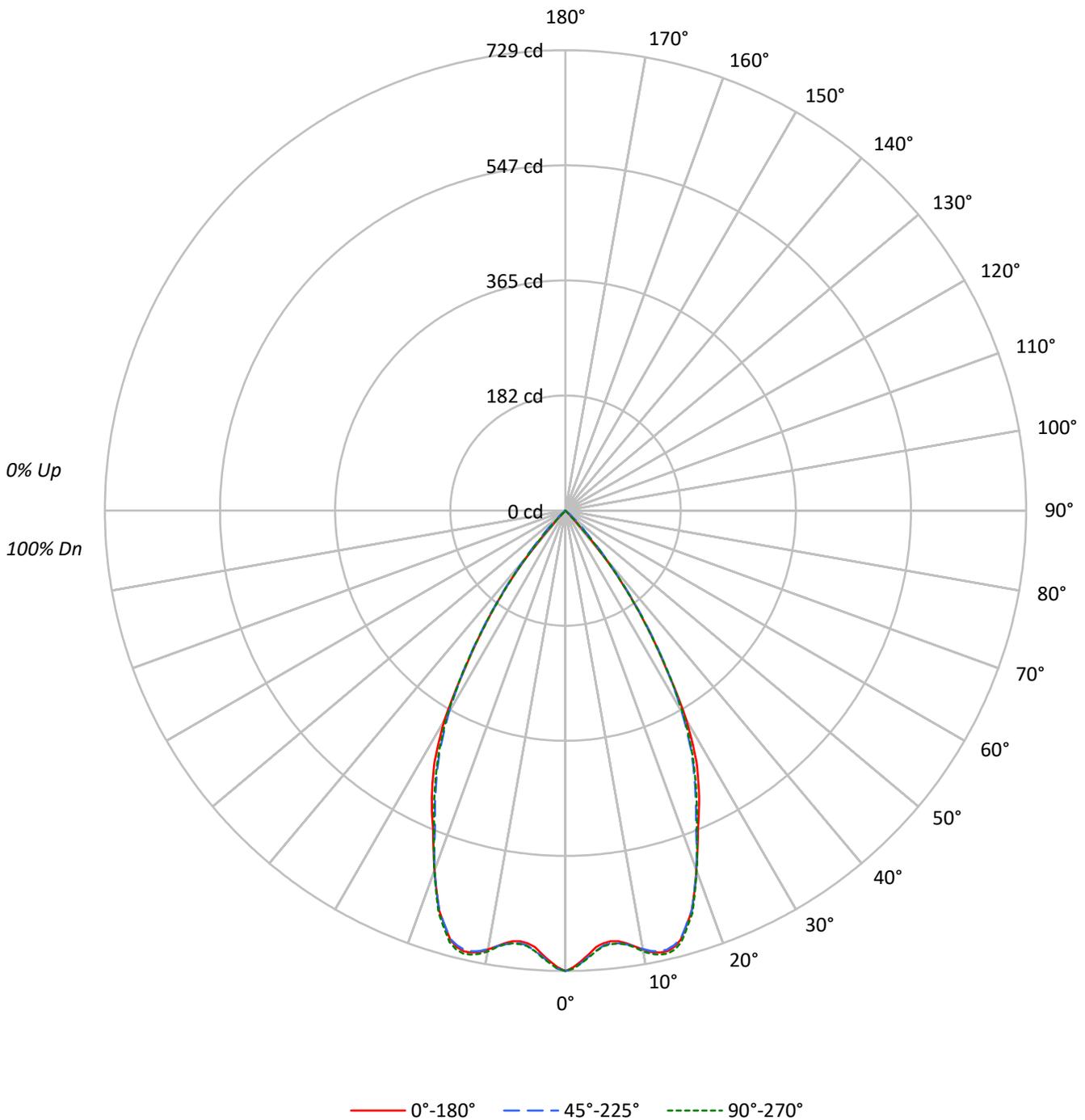
Test Method: LM-79-2019  
Report Number: P1310108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609035DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 646.0 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
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

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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

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

	0°	45°	90°
0°	125550	125550	125550
5°	118890	119530	119702
10°	123430	123238	123972
15°	125468	125290	126199
20°	111028	111028	111230
25°	95146	92315	93094
30°	76126	73362	74475
35°	47221	48188	47116
40°	20728	22819	21313
45°	244	7404	633
50°	0	831	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: 7404 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	10.3
10°-20°	193.0	29.9
20°-30°	224.0	34.7
30°-40°	141.1	21.8
40°-50°	21.2	3.3
50°-60°	0.1	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
<b>0°-30°</b>	<b>483.6</b>	<b>74.9</b>
<b>0°-40°</b>	<b>624.7</b>	<b>96.7</b>
<b>0°-60°</b>	<b>646.0</b>	<b>100.0</b>
<b>0°-90°</b>	<b>646.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>646.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	688	690	691	693	692	66
15°	704	701	703	707	708	193
25°	501	495	486	488	490	228
35°	225	225	229	225	224	140
45°	1	10	30	13	3	14
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°	729.0	729.0	729.0	729.0	729.0
1°	723.3	725.4	725.4	725.9	725.4
2°	713.5	716.6	716.6	718.1	717.1
3°	703.7	706.3	706.8	708.9	708.4
4°	692.9	697.0	698.6	699.6	699.1
5°	687.7	690.3	691.4	692.9	692.4
6°	685.7	687.7	688.8	690.3	690.3
7°	687.2	688.8	690.3	691.4	690.3
8°	691.9	693.4	693.4	695.5	693.9
9°	698.6	699.1	699.1	701.7	700.1
10°	705.8	704.7	704.7	708.4	708.9
11°	712.0	710.9	710.4	714.0	715.1
12°	715.6	713.5	713.5	718.1	718.7
13°	716.1	713.5	713.5	718.1	719.7
14°	712.0	708.9	709.4	714.5	716.1
15°	703.7	701.1	702.7	707.3	707.8
17.5°	664.6	663.0	664.1	667.1	667.7
20°	605.8	604.8	605.8	605.8	606.9
22.5°	547.6	545.0	539.9	543.0	543.5
25°	500.7	495.1	485.8	487.9	489.9
27.5°	449.2	442.0	432.2	434.8	435.3
30°	382.8	379.2	368.9	371.4	374.5
32.5°	295.7	305.5	299.3	298.8	299.3
35°	224.6	225.1	229.2	224.6	224.1
37.5°	157.1	157.6	160.7	155.6	156.1
40°	92.2	98.9	101.5	99.4	94.8
42.5°	28.8	51.0	57.7	50.0	31.9
45°	1.0	9.8	30.4	12.9	2.6
47.5°	0.0	0.5	14.4	1.0	0.0
50°	0.0	0.0	3.1	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



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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)