

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: P1314394

Luminaire Tested: LDSQA3D05R609730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

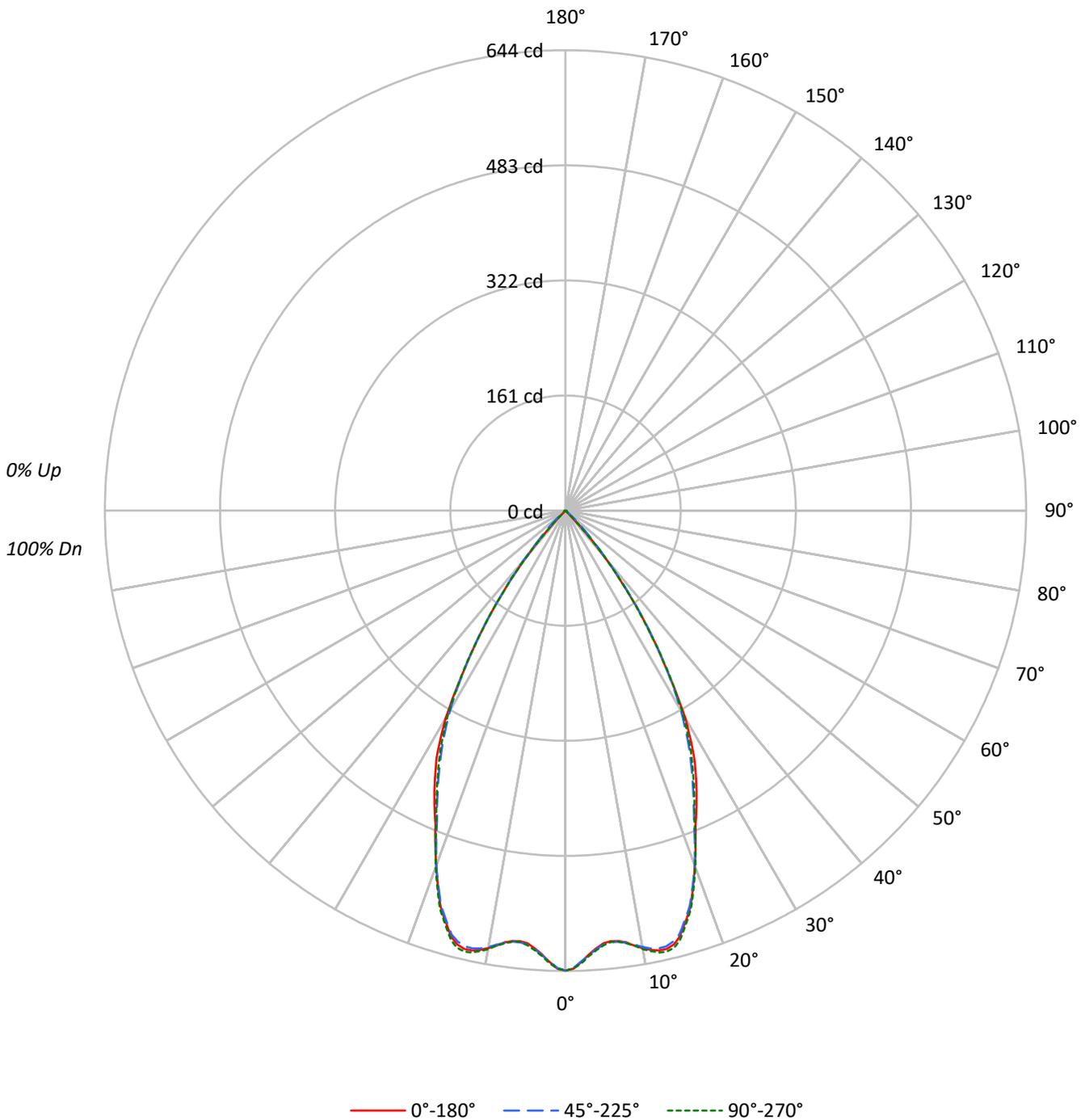
Test Method: LM-79-2019  
Report Number: P1314394  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 573.9 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 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 (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				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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	110825	110825	110825
5°	105042	105353	105509
10°	108688	108373	108932
15°	110010	109528	110652
20°	96879	96788	97283
25°	82434	80039	80723
30°	66540	64214	65288
35°	42112	42491	42007
40°	19694	20504	19987
45°	1193	7209	1413
50°	589	1688	589
55°	661	661	661
60°	620	620	620
65°	530	734	530
70°	655	655	655
75°	599	599	599
80°	397	397	397
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7209 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	10.2
10°-20°	168.9	29.4
20°-30°	194.7	33.9
30°-40°	125.0	21.8
40°-50°	21.7	3.8
50°-60°	2.0	0.4
60°-70°	1.6	0.3
70°-80°	0.9	0.2
80°-90°	0.3	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°	422.3	73.6
0°-40°	547.3	95.4
0°-60°	571.1	99.5
0°-90°	573.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	608	609	609	611	610	59
15°	617	615	614	618	621	169
25°	434	429	421	422	425	198
35°	200	199	202	198	200	125
45°	5	15	30	18	6	16
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
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°	643.5	643.5	643.5	643.5	643.5
1°	640.8	640.4	639.9	640.4	640.8
2°	631.9	631.4	631.0	632.8	633.7
3°	622.0	622.4	622.9	623.8	624.2
4°	613.9	614.8	615.2	616.1	616.6
5°	607.6	609.0	609.4	610.8	610.3
6°	605.8	606.7	607.2	607.6	606.7
7°	606.7	607.2	607.6	608.5	607.6
8°	609.9	610.3	610.8	611.2	611.2
9°	616.1	615.2	614.8	616.6	616.1
10°	621.5	620.2	619.7	622.4	622.9
11°	626.0	624.2	623.8	626.9	627.8
12°	629.2	626.5	626.0	630.1	631.9
13°	629.2	625.6	625.6	630.1	632.8
14°	625.6	621.5	621.5	626.5	629.6
15°	617.0	614.8	614.3	618.4	620.6
17.5°	581.1	578.4	578.9	583.4	583.8
20°	528.6	527.2	528.1	529.0	530.8
22.5°	475.1	474.2	469.3	470.6	471.5
25°	433.8	428.9	421.2	421.7	424.8
27.5°	390.3	385.3	374.5	376.8	379.9
30°	334.6	330.5	322.9	324.2	328.3
32.5°	262.7	270.8	263.6	265.9	264.5
35°	200.3	198.9	202.1	198.0	199.8
37.5°	141.0	141.5	142.8	139.2	139.2
40°	87.6	89.8	91.2	89.4	88.9
42.5°	36.8	50.3	53.0	50.3	37.3
45°	4.9	14.8	29.6	17.5	5.8
47.5°	2.2	3.1	15.7	3.1	2.2
50°	2.2	2.2	6.3	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.3	1.8	1.8	1.8	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4
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)