

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: P1319886

Luminaire Tested: LDSQA3D05R609840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319886  
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: LDSQA3D05R609840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

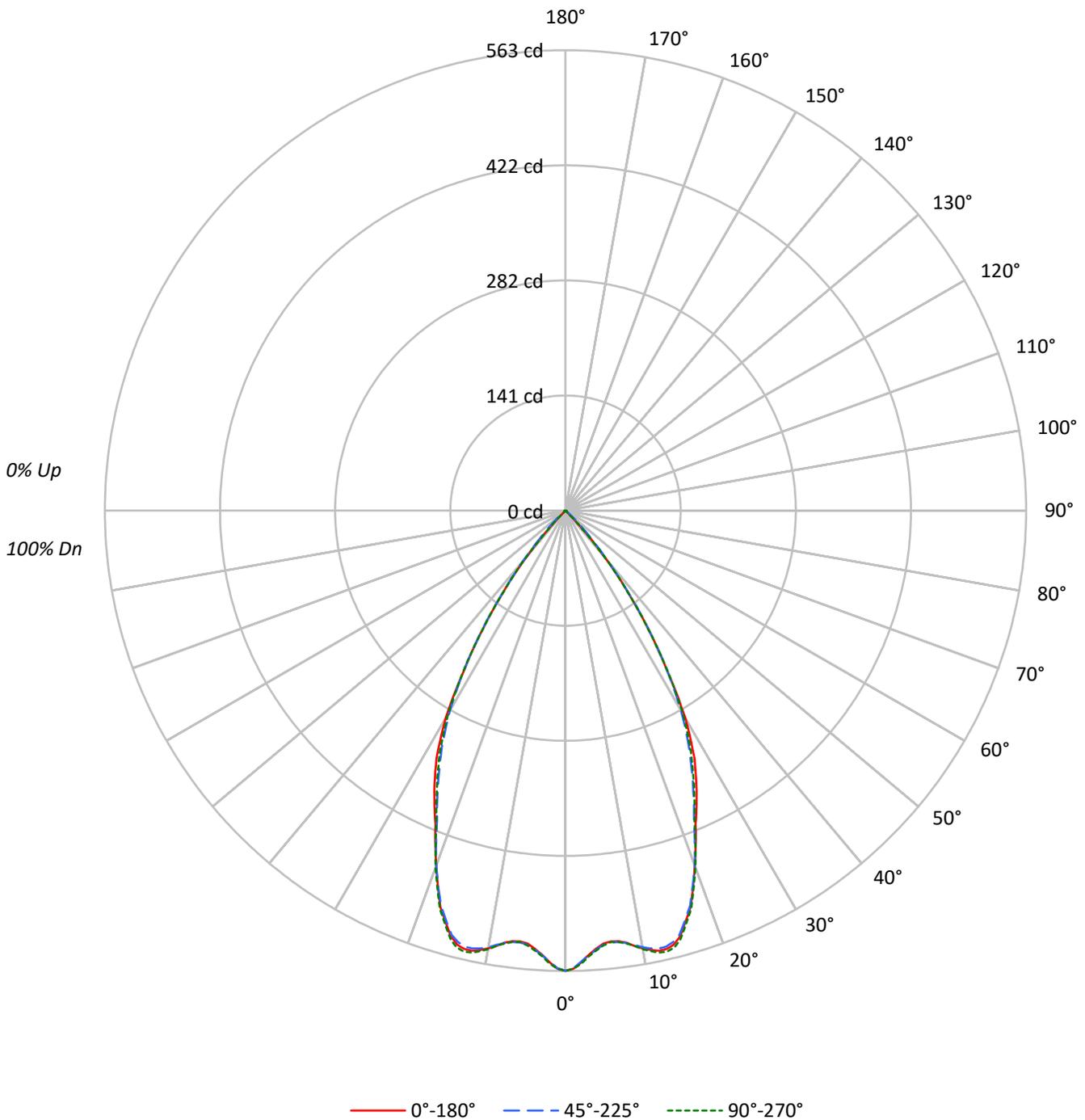
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 502.1 lumens  
Efficiency: N/A  
Efficacy: 69.7 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				
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	78	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	59	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°	96927	96927	96927
5°	91869	92145	92284
10°	95064	94785	95257
15°	96210	95800	96780
20°	84728	84655	85076
25°	72096	70006	70595
30°	58188	56160	57094
35°	36835	37150	36751
40°	17221	17918	17491
45°	1047	6308	1242
50°	536	1474	536
55°	601	601	601
60°	551	551	551
65°	489	652	489
70°	604	604	604
75°	532	532	532
80°	397	397	397
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6308 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	10.2
10°-20°	147.7	29.4
20°-30°	170.3	33.9
30°-40°	109.4	21.8
40°-50°	19.0	3.8
50°-60°	1.8	0.4
60°-70°	1.4	0.3
70°-80°	0.8	0.2
80°-90°	0.3	0.1
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°	369.3	73.6
0°-40°	478.7	95.3
0°-60°	499.6	99.5
0°-90°	502.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	563	563	563	563	563	
5°	531	533	533	534	534	51
15°	540	538	537	541	543	148
25°	379	375	368	369	372	173
35°	175	174	177	173	175	109
45°	4	13	26	15	5	14
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°	562.8	562.8	562.8	562.8	562.8
1°	560.5	560.1	559.7	560.1	560.5
2°	552.6	552.2	551.8	553.4	554.2
3°	544.0	544.4	544.7	545.5	545.9
4°	536.9	537.7	538.1	538.9	539.2
5°	531.4	532.6	533.0	534.1	533.8
6°	529.8	530.6	531.0	531.4	530.6
7°	530.6	531.0	531.4	532.2	531.4
8°	533.4	533.8	534.1	534.5	534.5
9°	538.9	538.1	537.7	539.2	538.9
10°	543.6	542.4	542.0	544.4	544.7
11°	547.5	545.9	545.5	548.3	549.1
12°	550.2	547.9	547.5	551.0	552.6
13°	550.2	547.1	547.1	551.0	553.4
14°	547.1	543.6	543.6	547.9	550.6
15°	539.6	537.7	537.3	540.8	542.8
17.5°	508.2	505.9	506.3	510.2	510.6
20°	462.3	461.1	461.9	462.7	464.2
22.5°	415.5	414.7	410.4	411.6	412.4
25°	379.4	375.1	368.4	368.8	371.5
27.5°	341.3	337.0	327.6	329.5	332.3
30°	292.6	289.1	282.4	283.6	287.1
32.5°	229.8	236.8	230.5	232.5	231.3
35°	175.2	174.0	176.7	173.2	174.8
37.5°	123.3	123.7	124.9	121.8	121.8
40°	76.6	78.6	79.7	78.2	77.8
42.5°	32.2	44.0	46.3	44.0	32.6
45°	4.3	13.0	25.9	15.3	5.1
47.5°	2.0	2.7	13.7	2.7	2.0
50°	2.0	2.0	5.5	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.2	1.6	1.6	1.6	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
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)