

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: P1307824

Luminaire Tested: LDSQA3D05R359027DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

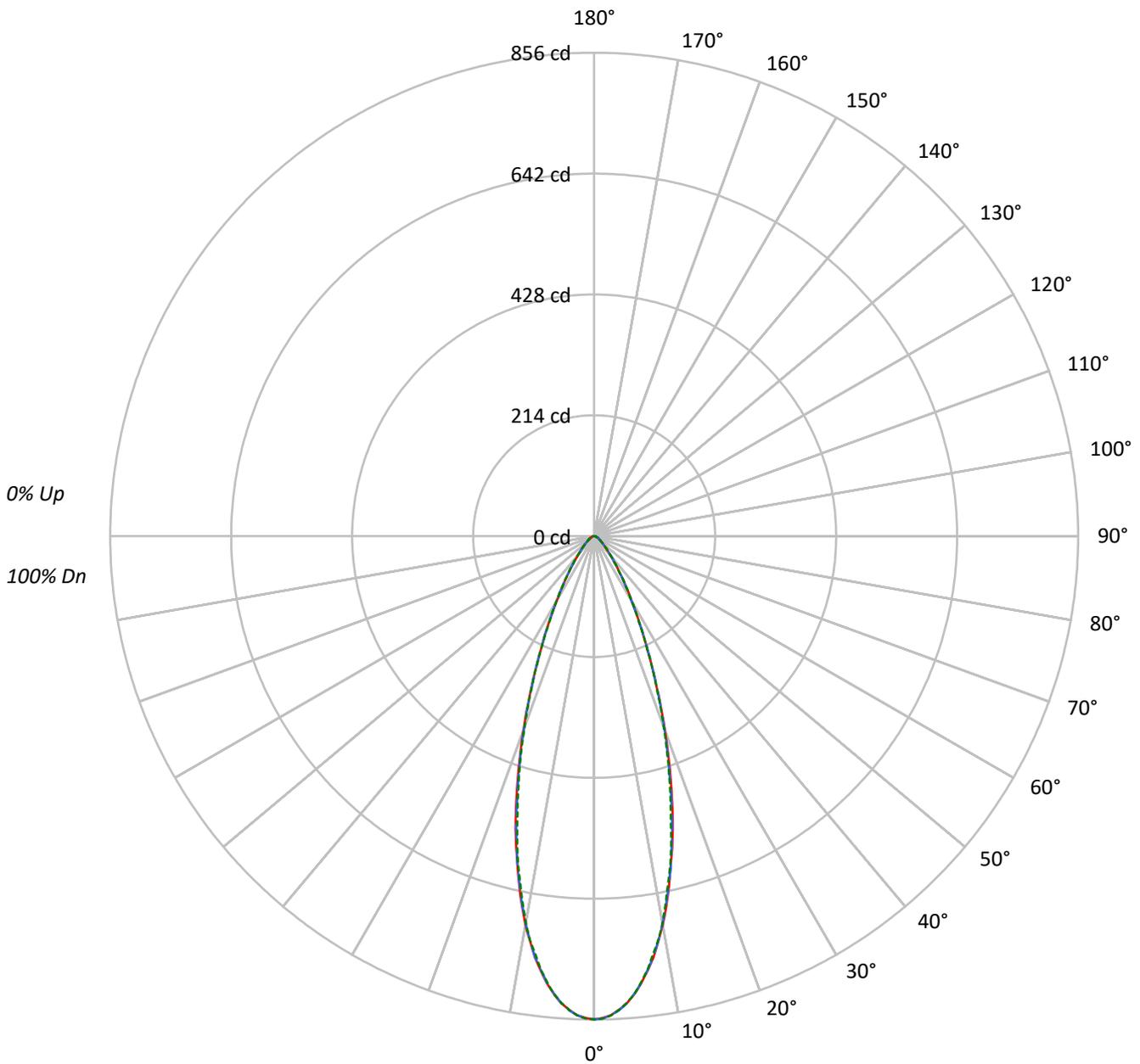
Test Method: LM-79-2019  
Report Number: P1307824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359027DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 422.0 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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



— 0°-180°    - - 45°-225°    ···· 90°-270°



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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	106	104	105	103	101	101	99	98	97	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	85	88	86	83	83	83	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

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

	0°	45°	90°
0°	147371	147371	147371
5°	140811	140569	140811
10°	122241	121839	121681
15°	95800	95051	93535
20°	67024	66419	65979
25°	42566	42832	42566
30°	26230	26409	26230
35°	16231	16315	16315
40°	10297	10409	10409
45°	6941	7063	7185
50°	5010	5144	5144
55°	3933	3933	3933
60°	3238	3238	3238
65°	2853	2853	2853
70°	2568	2568	2568
75°	2196	2196	2196
80°	1884	1884	1884
85°	988	988	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 7185 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.9	17.5
10°-20°	145.6	34.5
20°-30°	105.0	24.9
30°-40°	50.6	12.0
40°-50°	23.4	5.5
50°-60°	12.1	2.9
60°-70°	7.0	1.7
70°-80°	3.5	0.8
80°-90°	0.8	0.2
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°	324.6	76.9
0°-40°	375.2	88.9
0°-60°	410.7	97.3
0°-90°	422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	422.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	814	816	813	814	814	74
15°	537	536	533	531	525	146
25°	224	224	225	225	224	105
35°	77	77	78	78	78	50
45°	28	29	29	30	30	23
55°	13	13	13	13	13	12
65°	7	7	7	7	7	7
75°	3	3	3	3	3	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	855.7	855.7	855.7	855.7	855.7
1°	853.3	854.8	854.3	854.8	854.3
2°	849.1	850.1	849.1	849.6	849.6
3°	840.3	841.2	841.2	840.7	840.3
4°	829.5	831.8	829.5	830.0	828.6
5°	814.5	816.4	813.1	813.6	814.5
6°	796.3	796.8	795.8	795.4	794.4
7°	775.3	777.1	773.9	774.3	773.4
8°	752.8	752.3	752.3	750.5	747.7
9°	725.7	727.6	724.8	723.8	724.3
10°	699.0	699.0	696.7	694.4	695.8
11°	668.7	667.7	666.3	663.0	662.1
12°	635.5	637.3	633.1	631.7	628.4
13°	601.3	604.1	602.3	597.1	597.6
14°	569.5	567.7	566.2	565.3	562.0
15°	537.3	536.3	533.1	530.7	524.6
17.5°	448.9	449.8	443.7	442.8	440.5
20°	365.7	362.8	362.4	362.8	360.0
22.5°	288.5	291.3	288.0	288.5	286.6
25°	224.0	224.4	225.4	225.4	224.0
27.5°	173.9	173.9	173.0	173.9	172.5
30°	131.9	131.9	132.8	133.7	131.9
32.5°	101.9	101.9	101.9	102.4	102.9
35°	77.2	77.2	77.6	77.6	77.6
37.5°	59.4	59.9	60.3	60.3	60.3
40°	45.8	46.3	46.3	46.8	46.3
42.5°	36.5	36.5	36.5	36.9	36.9
45°	28.5	29.0	29.0	29.5	29.5
47.5°	23.4	23.4	23.4	23.8	23.8
50°	18.7	19.2	19.2	19.2	19.2
52.5°	15.4	15.4	15.9	15.9	15.9
55°	13.1	13.1	13.1	13.1	13.1
57.5°	10.8	11.2	11.2	11.2	11.2
60°	9.4	9.4	9.4	9.4	9.4
62.5°	7.9	7.9	7.9	7.9	7.9
65°	7.0	7.0	7.0	7.0	7.0
67.5°	5.6	6.1	6.1	6.1	6.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	3.7	4.2	4.2	4.2	4.2
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.8	2.3	2.3	2.3	2.8
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.5	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.5	0.5



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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)