

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: P1308301

Luminaire Tested: LDSQA3D17R359027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359027DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

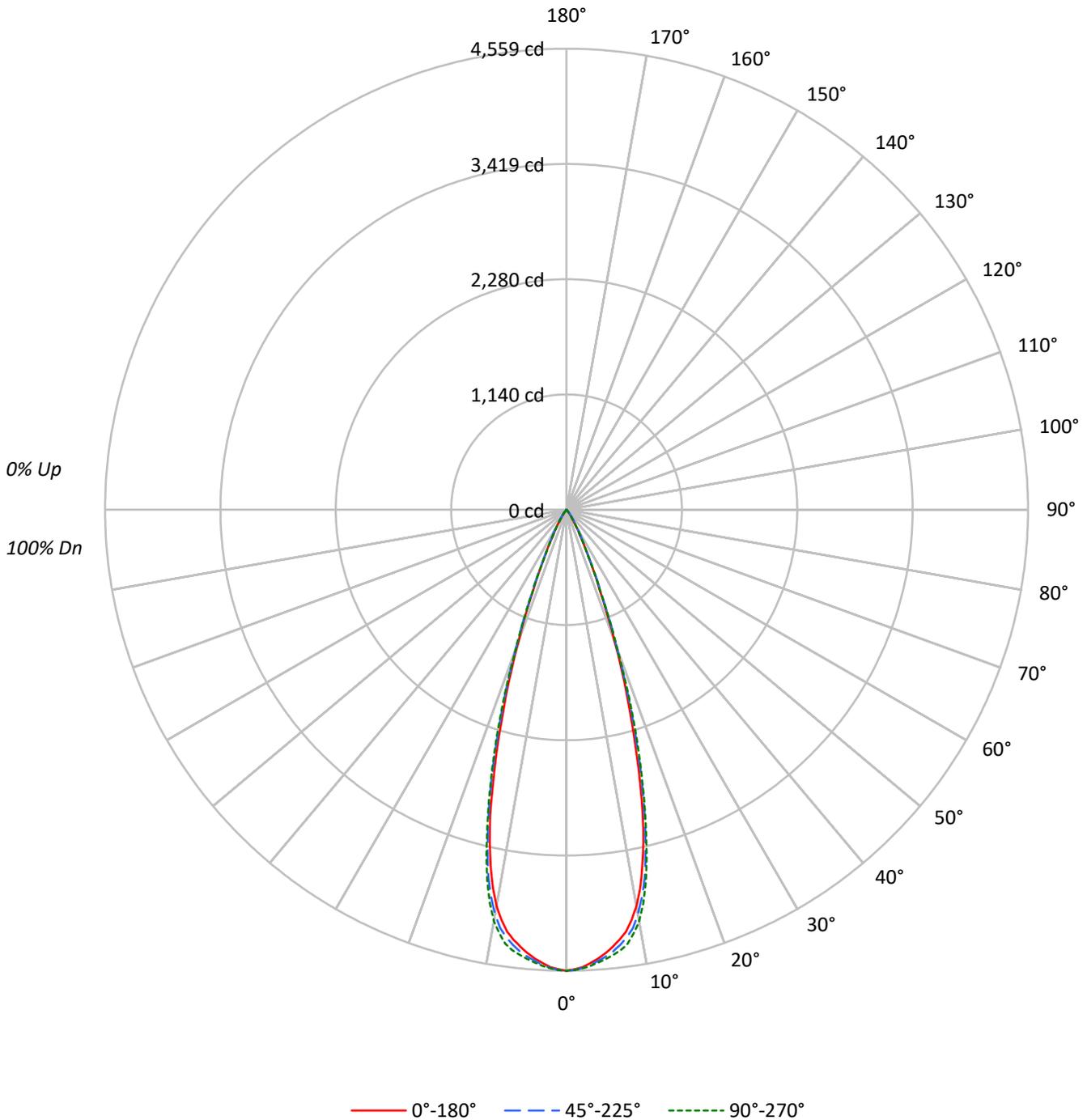
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1518.0 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	98	98	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	94	94	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	91	91	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	87	87	87	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	84	84	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	82	82	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	79	79	79	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	76	76	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	74	74	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	72	72	72	71

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

	0°	45°	90°
0°	785197	785197	785197
5°	761383	766794	770943
10°	695758	710465	722672
15°	500340	522217	526496
20°	254735	267509	268169
25°	96648	98700	95963
30°	37546	43512	36591
35°	12888	20226	12131
40°	4317	7846	4047
45°	292	2630	292
50°	0	322	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: 2630 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.7	27.2
10°-20°	768.9	50.7
20°-30°	276.4	18.2
30°-40°	53.9	3.6
40°-50°	6.0	0.4
50°-60°	0.0	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°	1458.0	96.0
0°-40°	1512.0	99.6
0°-60°	1518.0	100.0
0°-90°	1518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1518.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4559	4559	4559	4559	4559	
5°	4404	4416	4435	4456	4459	408
15°	2806	2853	2929	2949	2953	746
25°	509	513	519	516	505	267
35°	61	70	96	71	58	46
45°	1	4	11	4	1	3
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°	4559.2	4559.2	4559.2	4559.2	4559.2
1°	4546.0	4552.0	4553.2	4561.6	4552.0
2°	4526.7	4530.4	4535.2	4542.4	4537.6
3°	4489.5	4496.7	4507.5	4517.1	4517.1
4°	4449.8	4459.4	4472.6	4489.5	4488.3
5°	4404.1	4416.1	4435.4	4455.8	4459.4
6°	4346.4	4360.8	4392.1	4420.9	4425.7
7°	4285.1	4306.7	4336.8	4378.9	4389.7
8°	4212.9	4229.8	4273.1	4322.3	4334.4
9°	4107.1	4132.4	4187.7	4233.4	4240.6
10°	3978.5	3996.5	4062.6	4110.7	4132.4
11°	3812.6	3839.0	3903.9	3953.2	3967.7
12°	3601.0	3639.4	3715.2	3751.2	3763.3
13°	3372.5	3405.0	3463.9	3508.4	3518.0
14°	3115.2	3146.5	3207.8	3243.9	3235.5
15°	2806.2	2853.1	2928.9	2949.3	2952.9
17.5°	2072.8	2102.9	2170.2	2202.7	2225.5
20°	1389.9	1418.7	1459.6	1481.3	1463.2
22.5°	845.2	869.3	890.9	889.7	883.7
25°	508.6	513.4	519.4	515.8	505.0
27.5°	297.0	310.2	328.2	316.2	298.2
30°	188.8	199.6	218.8	198.4	184.0
32.5°	99.8	126.2	146.7	119.0	104.6
35°	61.3	69.7	96.2	70.9	57.7
37.5°	37.3	43.3	60.1	42.1	33.7
40°	19.2	27.7	34.9	25.2	18.0
42.5°	6.0	13.2	19.2	12.0	6.0
45°	1.2	3.6	10.8	3.6	1.2
47.5°	0.0	0.0	4.8	1.2	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	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)