

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: P1312978

Luminaire Tested: LDSQA3D24R209050D010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

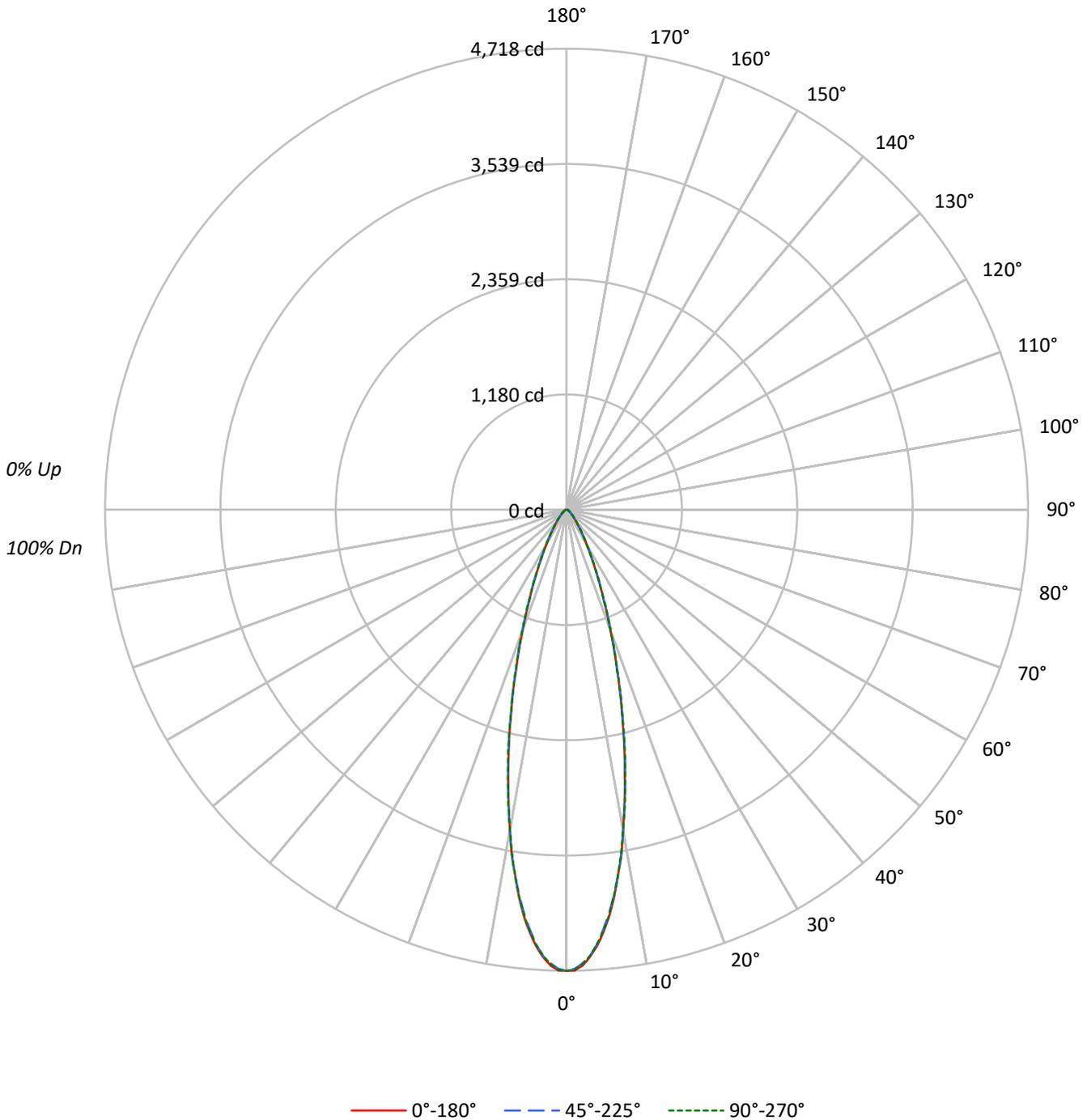
Test Method: LM-79-2019  
Report Number: P1312978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R209050D010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1658.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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

TEST NUMBER: P1312978  
CATALOG NUMBER: LDSQA3D24R209050D010 3LSQPHRL1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1312978  
 CATALOG NUMBER: LDSQA3D24R209050D010 3LSQPHRL1MB

**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	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	812546	812546	812546
5°	749610	745322	747829
10°	581702	582419	582419
15°	393183	395019	395019
20°	238790	241814	242950
25°	140069	142026	141646
30°	81714	83345	83762
35°	49912	51216	51216
40°	32487	32959	33431
45°	22627	23138	23625
50°	16585	17148	17148
55°	13031	13632	13632
60°	11367	11367	12090
65°	10106	10106	10921
70°	9366	9366	9366
75°	8251	8251	8251
80°	6149	6149	8232
85°	4150	4150	8102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 23625 cd/sqm



TEST NUMBER: P1312978

CATALOG NUMBER: LDSQA3D24R209050D010 3LSQPHRL1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	380.4	22.9
10°-20°	609.3	36.7
20°-30°	352.8	21.3
30°-40°	158.2	9.5
40°-50°	75.0	4.5
50°-60°	41.1	2.5
60°-70°	24.9	1.5
70°-80°	13.4	0.8
80°-90°	2.9	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°	1342.5	81.0
0°-40°	1500.7	90.5
0°-60°	1616.8	97.5
0°-90°	1658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1658.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4718	4718	4718	4718	4718	
5°	4336	4322	4311	4320	4326	381
15°	2205	2205	2216	2205	2216	607
25°	737	737	747	741	745	349
35°	237	240	244	246	244	155
45°	93	93	95	95	97	73
55°	43	43	45	45	45	40
65°	25	25	25	25	27	25
75°	12	12	12	12	12	13
85°	2	2	2	2	4	3
90°	0	0	0	0	0	



TEST NUMBER: P1312978  
 CATALOG NUMBER: LDSQA3D24R209050D010 3LSQPHRL1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4718.0	4718.0	4718.0	4718.0	4718.0
1°	4715.9	4703.5	4699.4	4695.2	4707.6
2°	4668.4	4653.9	4645.7	4649.8	4651.9
3°	4583.7	4575.5	4575.5	4569.3	4573.4
4°	4474.3	4457.8	4457.8	4459.9	4459.9
5°	4336.0	4321.5	4311.2	4319.5	4325.7
6°	4181.1	4162.5	4154.3	4156.3	4170.8
7°	3991.2	3966.4	3970.5	3980.8	3980.8
8°	3776.4	3774.4	3778.5	3774.4	3778.5
9°	3578.2	3549.3	3574.1	3553.4	3563.8
10°	3326.3	3324.2	3330.4	3336.6	3330.4
12.5°	2752.3	2762.6	2766.8	2758.5	2777.1
15°	2205.2	2205.2	2215.5	2205.2	2215.5
17.5°	1715.8	1713.7	1722.0	1713.7	1726.1
20°	1302.9	1317.3	1319.4	1319.4	1325.6
22.5°	982.8	982.8	991.1	993.1	989.0
25°	737.1	737.1	747.4	741.2	745.4
27.5°	545.1	549.2	557.5	561.6	561.6
30°	410.9	413.0	419.1	421.2	421.2
32.5°	309.7	313.8	318.0	320.0	322.1
35°	237.4	239.5	243.6	245.7	243.6
37.5°	181.7	183.8	187.9	190.0	190.0
40°	144.5	144.5	146.6	148.7	148.7
42.5°	113.6	115.6	115.6	117.7	117.7
45°	92.9	92.9	95.0	95.0	97.0
47.5°	74.3	74.3	76.4	78.5	78.5
50°	61.9	61.9	64.0	64.0	64.0
52.5°	51.6	51.6	53.7	53.7	53.7
55°	43.4	43.4	45.4	45.4	45.4
57.5°	37.2	37.2	39.2	39.2	39.2
60°	33.0	33.0	33.0	33.0	35.1
62.5°	28.9	28.9	28.9	28.9	28.9
65°	24.8	24.8	24.8	24.8	26.8
67.5°	20.6	20.6	20.6	20.6	22.7
70°	18.6	18.6	18.6	18.6	18.6
72.5°	14.5	14.5	14.5	16.5	16.5
75°	12.4	12.4	12.4	12.4	12.4
77.5°	10.3	10.3	10.3	10.3	10.3
80°	6.2	6.2	6.2	8.3	8.3
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.1	2.1	2.1	2.1	4.1
87.5°	0.0	0.0	0.0	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)