

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: P1311884

Luminaire Tested: LDSQA3D24R159040D010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R159040D010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

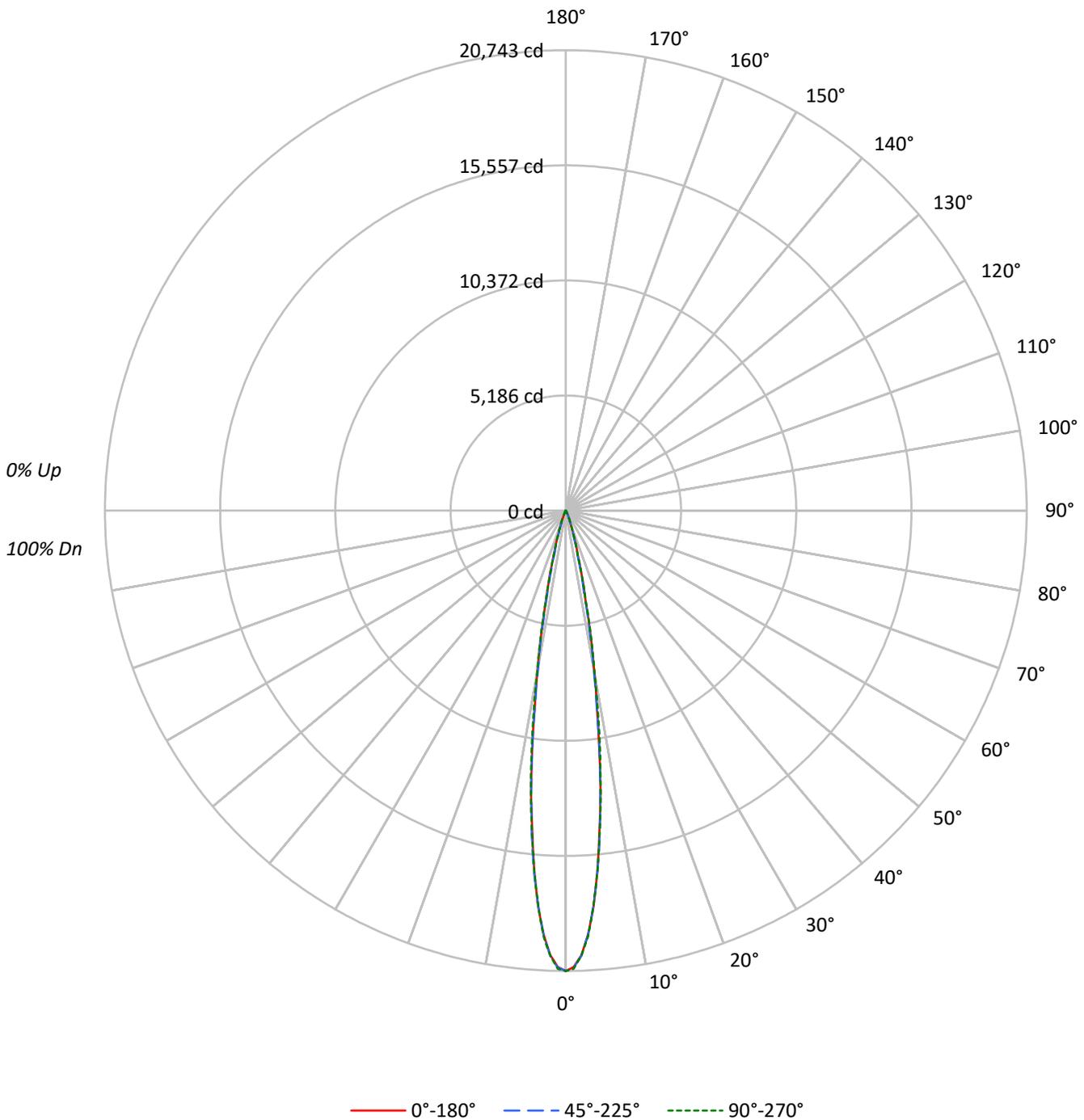
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2077.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (Ain): 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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86

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

	0°	45°	90°
0°	3572397	3572397	3572397
5°	2817918	2825455	2815394
10°	1289211	1255425	1316458
15°	383323	342207	375549
20°	113832	110405	119532
25°	32362	41844	37492
30°	11574	12389	11156
35°	4373	3932	3932
40°	1866	944	1394
45°	1023	511	1023
50°	563	0	563
55°	631	0	631
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: 0°  
 Vertical Angle: 47.5°  
 Luminance: 1071 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1253.3	60.3
10°-20°	695.8	33.5
20°-30°	110.8	5.3
30°-40°	14.5	0.7
40°-50°	2.2	0.1
50°-60°	0.5	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°	2059.8	99.2
0°-40°	2074.3	99.9
0°-60°	2077.0	100.0
0°-90°	2077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20743	20743	20743	20743	20743	
5°	16300	16436	16343	16274	16285	1250
15°	2150	2122	1919	2039	2106	709
25°	170	191	220	219	197	104
35°	21	21	19	21	19	15
45°	4	3	2	2	4	4
55°	2	1	0	0	2	1
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20742.9	20742.9	20742.9	20742.9	20742.9	20742.9	20742.9	20742.9	20742.9	20742.9	20742.9
1°	20564.3	20587.1	20616.2	20589.2	20564.3	20587.1	20556.0	20560.1	20535.2	20589.2	20649.4
2°	20040.8	20069.9	20053.3	20015.9	20074.1	20078.2	20013.8	19982.7	19978.5	20032.5	20053.3
3°	19114.4	19180.9	19182.9	19170.5	19151.8	19114.4	19047.9	19091.5	19031.3	18993.9	19205.8
4°	17882.6	17940.8	18009.3	17963.6	17826.5	17839.0	17882.6	17735.1	17743.4	17828.6	17834.8
5°	16299.8	16476.3	16484.7	16420.3	16312.2	16343.4	16312.2	16270.7	16285.2	16339.3	16285.2
6°	14436.5	14635.9	14488.5	14629.7	14598.6	14638.0	14648.4	14604.8	14635.9	14602.7	14592.3
7°	12826.7	12675.1	12695.8	12637.7	12700.0	12741.5	12766.5	12691.7	12751.9	12847.5	12874.5
8°	10830.5	10786.9	10743.3	10847.1	10818.1	10867.9	10899.1	10982.2	10978.0	11007.1	11102.6
9°	8929.9	8994.3	9033.7	8942.3	9021.3	8867.6	8921.6	9143.8	9085.7	9143.8	9314.2
10°	7372.0	7423.9	7365.8	7363.7	7280.6	7178.8	7172.6	7255.7	7430.1	7567.2	7527.8
12.5°	4067.2	4112.9	4119.1	4114.9	3965.4	3797.1	3828.3	3894.7	4002.8	4048.5	4123.2
15°	2149.9	2147.8	2170.7	2106.3	2027.3	1919.3	1927.6	2019.0	2100.0	2120.8	2106.3
17.5°	1103.0	1107.1	1123.8	1107.1	1024.1	1034.4	1057.3	1067.7	1115.5	1134.2	1123.8
20°	621.1	623.2	621.1	627.3	594.1	602.4	631.5	633.5	643.9	654.3	652.2
22.5°	355.2	357.3	369.7	365.6	357.3	367.7	373.9	384.3	388.4	384.3	396.7
25°	170.3	172.4	172.4	197.3	209.8	220.2	224.3	220.2	216.0	199.4	197.3
27.5°	97.6	97.6	101.8	103.9	108.0	126.7	124.6	103.9	87.2	87.2	89.3
30°	58.2	56.1	56.1	58.2	60.2	62.3	58.2	56.1	56.1	58.2	56.1
32.5°	35.3	35.3	35.3	33.2	33.2	31.2	31.2	35.3	35.3	35.3	35.3
35°	20.8	20.8	20.8	20.8	18.7	18.7	18.7	20.8	20.8	18.7	18.7
37.5°	12.5	12.5	12.5	10.4	10.4	8.3	10.4	10.4	10.4	10.4	10.4
40°	8.3	8.3	6.2	6.2	4.2	4.2	4.2	6.2	6.2	6.2	6.2
42.5°	6.2	6.2	4.2	4.2	2.1	2.1	2.1	4.2	4.2	4.2	4.2
45°	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2
47.5°	4.2	4.2	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1	2.1
50°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
52.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
55°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)