

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: P1312816

Luminaire Tested: LDSQA3D20R159050D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312816  
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: LDSQA3D20R159050D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

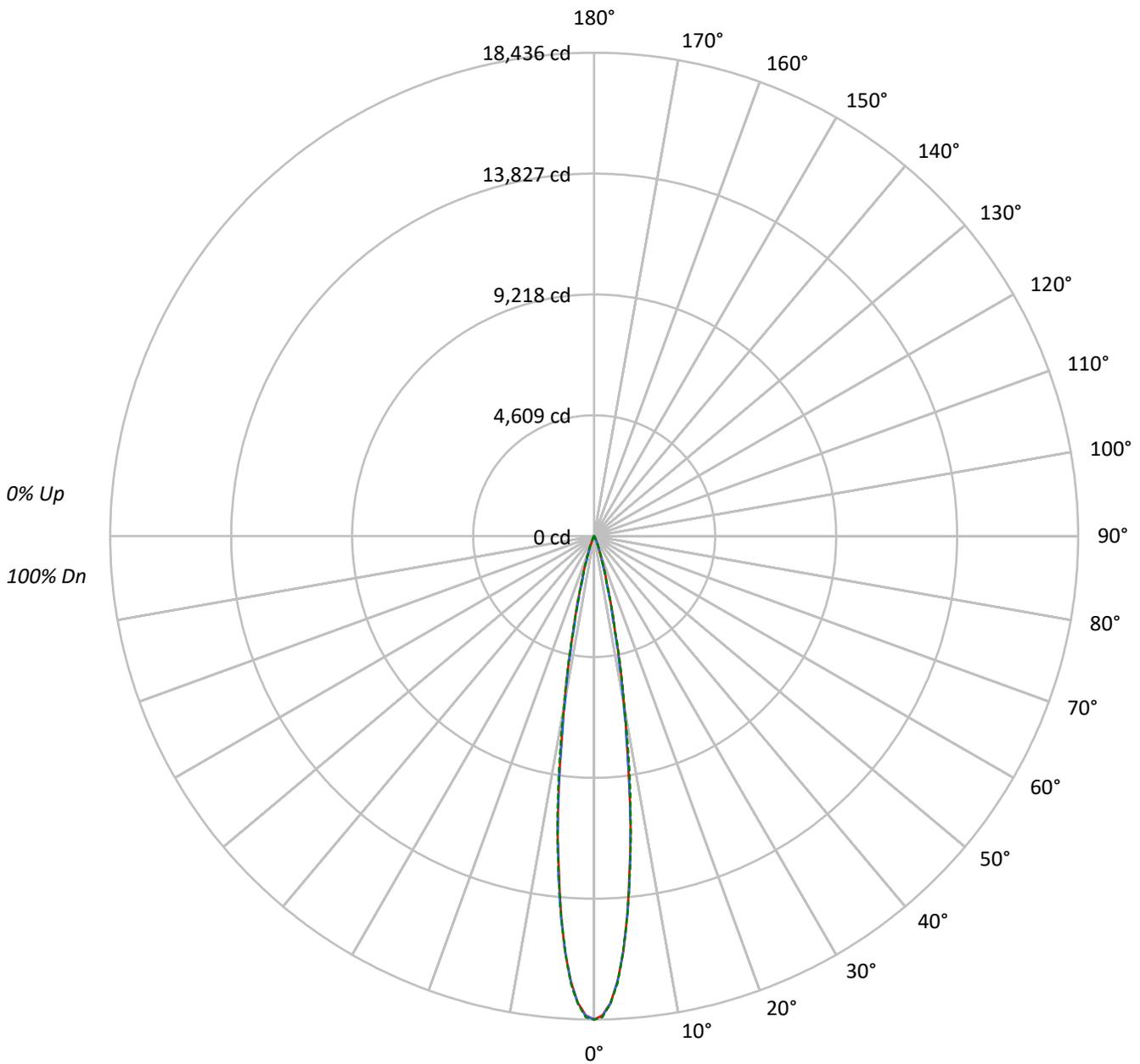
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1846.0 lumens  
Efficiency: N/A  
Efficacy: 64.1 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



0% Up  
100% Dn

— 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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100		98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98		97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96		95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94		93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93		92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91		91
7	102	97	94	91	101	96	93	91	95	93	91	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		88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87		87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86		86

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

	0°	45°	90°
0°	3175079	3175079	3175079
5°	2504520	2511210	2502272
10°	1145828	1115801	1170031
15°	340692	304159	333774
20°	101168	98126	106245
25°	28770	37188	33331
30°	10281	11017	9904
35°	3890	3490	3490
40°	1664	832	1237
45°	901	438	901
50°	482	0	482
55°	540	0	540
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: 943 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1113.9	60.3
10°-20°	618.4	33.5
20°-30°	98.4	5.3
30°-40°	12.9	0.7
40°-50°	1.9	0.1
50°-60°	0.4	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°	1830.7	99.2
0°-40°	1843.6	99.9
0°-60°	1845.9	100.0
0°-90°	1846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18436	18436	18436	18436	18436	
5°	14487	14608	14526	14464	14474	1111
15°	1911	1886	1706	1812	1872	630
25°	151	170	196	195	175	92
35°	18	18	17	18	17	14
45°	4	2	2	2	4	3
55°	2	0	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°	18435.9	18435.9	18435.9	18435.9	18435.9	18435.9	18435.9	18435.9	18435.9	18435.9	18435.9
1°	18277.2	18297.5	18323.3	18299.3	18277.2	18297.5	18269.8	18273.5	18251.3	18299.3	18352.9
2°	17811.9	17837.8	17823.0	17789.8	17841.5	17845.2	17787.9	17760.2	17756.5	17804.5	17823.0
3°	16988.5	17047.6	17049.4	17038.4	17021.8	16988.5	16929.4	16968.2	16914.7	16881.4	17069.8
4°	15893.7	15945.4	16006.4	15965.7	15843.9	15855.0	15893.7	15762.7	15770.0	15845.7	15851.3
5°	14487.0	14643.9	14651.3	14594.0	14498.0	14525.7	14498.0	14461.1	14474.0	14522.0	14474.0
6°	12830.9	13008.2	12877.1	13002.6	12974.9	13010.0	13019.2	12980.5	13008.2	12978.6	12969.4
7°	11400.1	11265.4	11283.8	11232.1	11287.5	11324.5	11346.6	11280.1	11333.7	11418.6	11442.6
8°	9626.0	9587.2	9548.4	9640.7	9614.9	9659.2	9686.9	9760.7	9757.0	9782.9	9867.8
9°	7936.7	7993.9	8029.0	7947.8	8017.9	7881.3	7929.3	8126.9	8075.2	8126.9	8278.3
10°	6552.1	6598.2	6546.5	6544.7	6470.9	6380.4	6374.9	6448.7	6603.8	6725.6	6690.5
12.5°	3614.8	3655.4	3661.0	3657.3	3524.4	3374.8	3402.5	3461.6	3557.6	3598.2	3664.7
15°	1910.8	1908.9	1929.3	1872.0	1801.9	1705.9	1713.3	1794.5	1866.5	1884.9	1872.0
17.5°	980.3	984.0	998.8	984.0	910.2	919.4	939.7	948.9	991.4	1008.0	998.8
20°	552.0	553.9	552.0	557.5	528.0	535.4	561.2	563.1	572.3	581.5	579.7
22.5°	315.7	317.5	328.6	324.9	317.5	326.8	332.3	341.5	345.2	341.5	352.6
25°	151.4	153.2	153.2	175.4	186.5	195.7	199.4	195.7	192.0	177.2	175.4
27.5°	86.8	86.8	90.5	92.3	96.0	112.6	110.8	92.3	77.5	77.5	79.4
30°	51.7	49.8	49.8	51.7	53.5	55.4	51.7	49.8	49.8	51.7	49.8
32.5°	31.4	31.4	31.4	29.5	29.5	27.7	27.7	31.4	31.4	31.4	31.4
35°	18.5	18.5	18.5	18.5	16.6	16.6	16.6	18.5	18.5	16.6	16.6
37.5°	11.1	11.1	11.1	9.2	9.2	7.4	9.2	9.2	9.2	9.2	9.2
40°	7.4	7.4	5.5	5.5	3.7	3.7	3.7	5.5	5.5	5.5	5.5
42.5°	5.5	5.5	3.7	3.7	1.8	1.8	1.8	3.7	3.7	3.7	3.7
45°	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8	3.7	3.7
47.5°	3.7	3.7	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8	1.8
50°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
52.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
55°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
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	1.8	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)