

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: P1309504

Luminaire Tested: LDSQA3D20R159030D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309504  
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: LDSQA3D20R159030D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

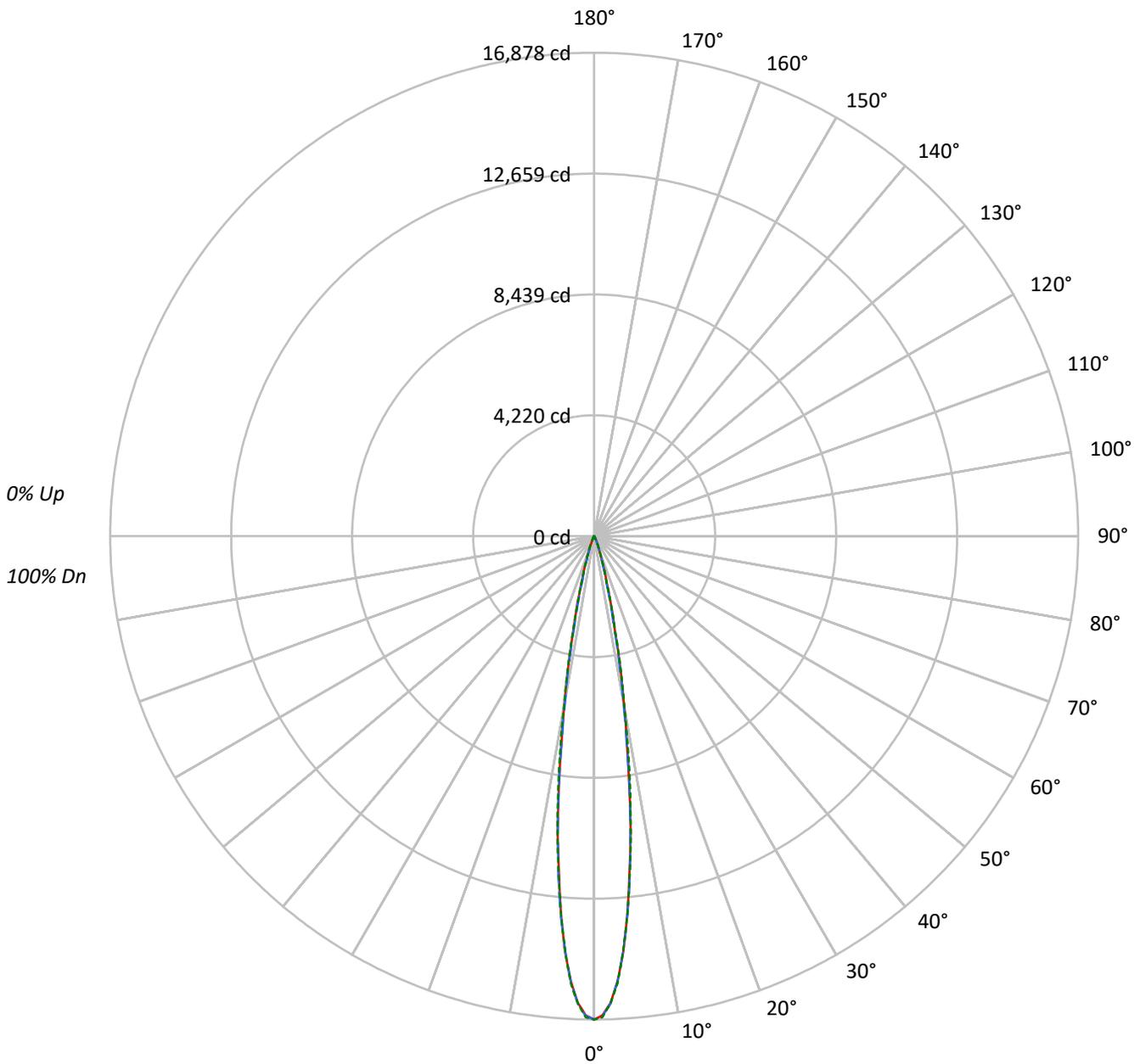
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1690.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 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 (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		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°	2906774	2906774	2906774
5°	2292862	2299000	2290822
10°	1048997	1021506	1071154
15°	311897	278448	305567
20°	92627	89823	97264
25°	26338	34053	30518
30°	9406	10082	9068
35°	3553	3196	3196
40°	1529	764	1147
45°	828	414	828
50°	455	0	455
55°	510	0	510
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: 867 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1019.8	60.3
10°-20°	566.2	33.5
20°-30°	90.1	5.3
30°-40°	11.8	0.7
40°-50°	1.8	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°	1676.0	99.2
0°-40°	1687.8	99.9
0°-60°	1690.0	100.0
0°-90°	1690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1690.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16878	16878	16878	16878	16878	
5°	13263	13374	13298	13242	13251	1017
15°	1749	1727	1562	1659	1714	577
25°	139	156	179	178	161	85
35°	17	17	15	17	15	13
45°	3	2	2	2	3	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°	16878.0	16878.0	16878.0	16878.0	16878.0	16878.0	16878.0	16878.0	16878.0	16878.0	16878.0
1°	16732.6	16751.2	16774.9	16752.9	16732.6	16751.2	16725.8	16729.2	16708.9	16752.9	16801.9
2°	16306.7	16330.4	16316.8	16286.4	16333.7	16337.1	16284.7	16259.4	16256.0	16299.9	16316.8
3°	15552.9	15607.0	15608.7	15598.5	15583.3	15552.9	15498.8	15534.3	15485.3	15454.8	15627.2
4°	14550.6	14597.9	14653.7	14616.5	14505.0	14515.1	14550.6	14430.6	14437.4	14506.7	14511.7
5°	13262.7	13406.4	13413.1	13360.7	13272.8	13298.2	13272.8	13239.0	13250.9	13294.8	13250.9
6°	11746.6	11908.9	11788.9	11903.8	11878.5	11910.6	11919.0	11883.5	11908.9	11881.8	11873.4
7°	10436.8	10313.4	10330.3	10282.9	10333.7	10367.5	10387.7	10326.9	10375.9	10453.7	10475.6
8°	8812.5	8777.0	8741.5	8826.0	8802.4	8842.9	8868.3	8935.9	8932.5	8956.2	9033.9
9°	7266.0	7318.4	7350.5	7276.1	7340.4	7215.3	7259.2	7440.1	7392.8	7440.1	7578.7
10°	5998.4	6040.6	5993.3	5991.6	5924.0	5841.2	5836.1	5903.7	6045.7	6157.3	6125.1
12.5°	3309.3	3346.5	3351.6	3348.2	3226.5	3089.6	3115.0	3169.1	3256.9	3294.1	3355.0
15°	1749.3	1747.6	1766.2	1713.8	1649.6	1561.7	1568.5	1642.8	1708.8	1725.7	1713.8
17.5°	897.5	900.9	914.4	900.9	833.3	841.7	860.3	868.7	907.6	922.8	914.4
20°	505.4	507.0	505.4	510.4	483.4	490.1	513.8	515.5	524.0	532.4	530.7
22.5°	289.0	290.7	300.8	297.5	290.7	299.2	304.2	312.7	316.1	312.7	322.8
25°	138.6	140.3	140.3	160.6	170.7	179.2	182.5	179.2	175.8	162.3	160.6
27.5°	79.4	79.4	82.8	84.5	87.9	103.1	101.4	84.5	71.0	71.0	72.7
30°	47.3	45.6	45.6	47.3	49.0	50.7	47.3	45.6	45.6	47.3	45.6
32.5°	28.7	28.7	28.7	27.0	27.0	25.4	25.4	28.7	28.7	28.7	28.7
35°	16.9	16.9	16.9	16.9	15.2	15.2	15.2	16.9	16.9	15.2	15.2
37.5°	10.1	10.1	10.1	8.5	8.5	6.8	8.5	8.5	8.5	8.5	8.5
40°	6.8	6.8	5.1	5.1	3.4	3.4	3.4	5.1	5.1	5.1	5.1
42.5°	5.1	5.1	3.4	3.4	1.7	1.7	1.7	3.4	3.4	3.4	3.4
45°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
47.5°	3.4	3.4	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7	1.7
50°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
52.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
55°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
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	1.7	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)