

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: P1307476

Luminaire Tested: LDSQA3D20R359024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

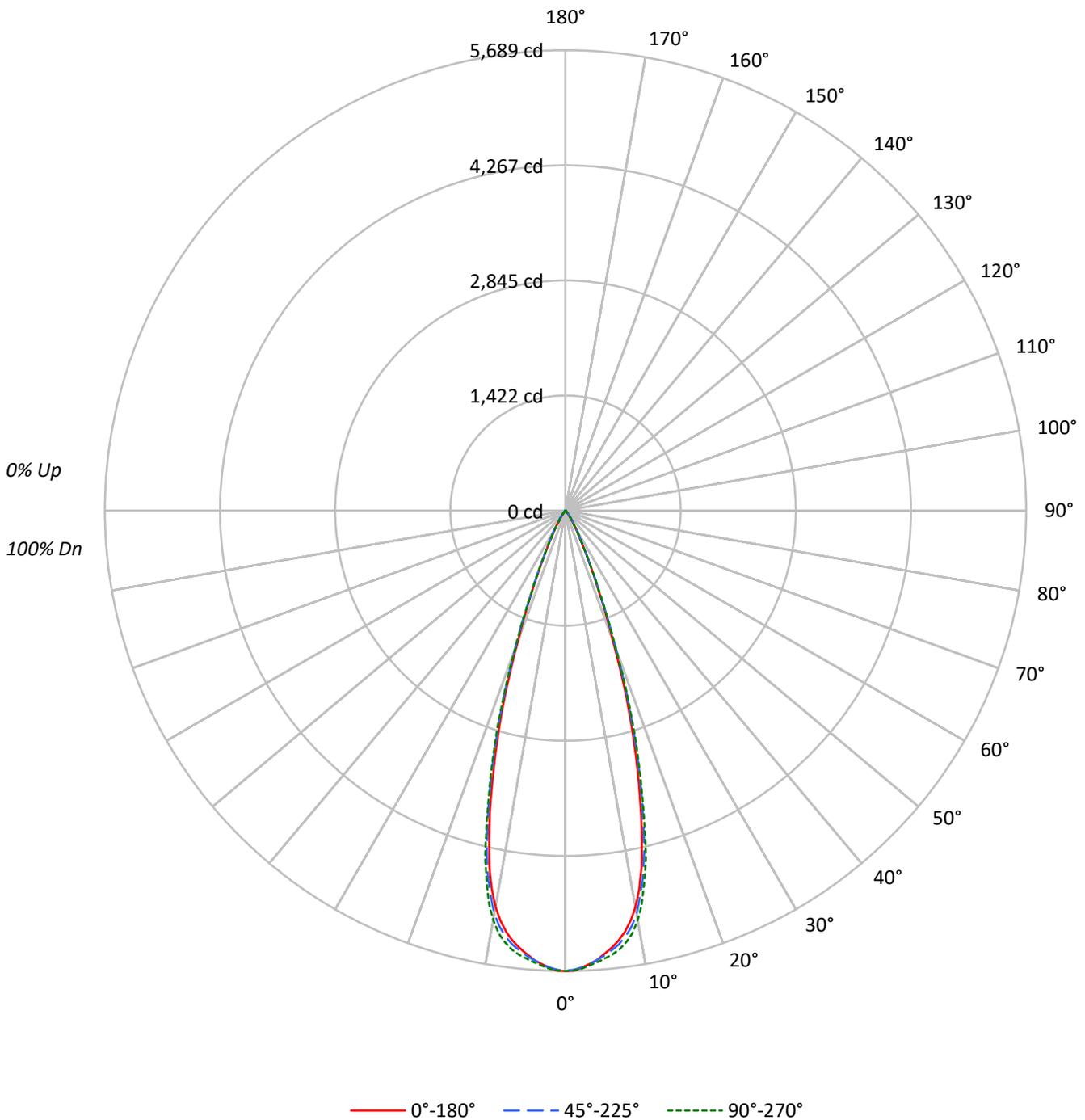
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1911.1 lumens
Efficiency: N/A
Efficacy: 66.4 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): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	979792	979792	979792
5°	950791	954145	960593
10°	869728	884855	898408
15°	624293	647168	653819
20°	314024	332333	333158
25°	119014	122700	123270
30°	48344	55464	47449
35°	17555	26659	16925
40°	7374	11398	7037
45°	1827	4725	1827
50°	1206	2009	1206
55°	1351	1351	1351
60°	1550	1550	1550
65°	1223	1223	1223
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4725 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.4	26.9
10°-20°	958.3	50.1
20°-30°	344.7	18.0
30°-40°	72.4	3.8
40°-50°	12.5	0.7
50°-60°	4.1	0.2
60°-70°	3.0	0.2
70°-80°	1.6	0.1
80°-90°	0.3	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°	1817.3	95.1
0°-40°	1889.7	98.9
0°-60°	1906.3	99.7
0°-90°	1911.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5689	5689	5689	5689	5689	
5°	5500	5510	5519	5556	5556	510
15°	3501	3563	3630	3668	3667	932
25°	626	635	646	652	649	333
35°	84	98	127	97	80	63
45°	8	12	19	12	8	9
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5689.1	5689.1	5689.1	5689.1	5689.1
1°	5686.1	5686.1	5674.2	5687.6	5683.1
2°	5654.8	5657.8	5650.3	5666.7	5665.2
3°	5611.5	5619.0	5613.0	5636.9	5629.4
4°	5565.3	5571.3	5568.3	5598.1	5595.1
5°	5499.7	5510.1	5519.1	5556.4	5556.4
6°	5432.6	5443.0	5462.4	5502.7	5516.1
7°	5355.0	5368.5	5399.8	5453.5	5462.4
8°	5256.6	5271.5	5314.8	5372.9	5384.9
9°	5134.3	5156.7	5205.9	5276.0	5283.5
10°	4973.3	4991.2	5059.8	5117.9	5137.3
11°	4764.5	4779.4	4840.6	4934.5	4946.4
12°	4511.0	4528.9	4607.9	4669.1	4681.0
13°	4190.4	4224.7	4320.1	4379.8	4412.6
14°	3860.8	3907.0	3975.6	4060.6	4039.8
15°	3501.4	3562.6	3629.7	3668.4	3667.0
17.5°	2620.1	2655.9	2715.5	2737.9	2767.7
20°	1713.4	1759.7	1813.3	1834.2	1817.8
22.5°	1063.3	1075.2	1091.6	1100.5	1097.6
25°	626.3	635.3	645.7	651.7	648.7
27.5°	377.3	398.2	413.1	395.2	384.7
30°	243.1	252.0	278.9	255.0	238.6
32.5°	144.7	165.5	187.9	159.6	138.7
35°	83.5	98.4	126.8	96.9	80.5
37.5°	53.7	61.1	82.0	59.6	52.2
40°	32.8	41.8	50.7	38.8	31.3
42.5°	16.4	25.4	29.8	22.4	16.4
45°	7.5	11.9	19.4	11.9	7.5
47.5°	4.5	6.0	11.9	6.0	4.5
50°	4.5	4.5	7.5	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	4.5	4.5	4.5	4.5	4.5
62.5°	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	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)