

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: P1320352

Luminaire Tested: LDSQA3D20R159840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

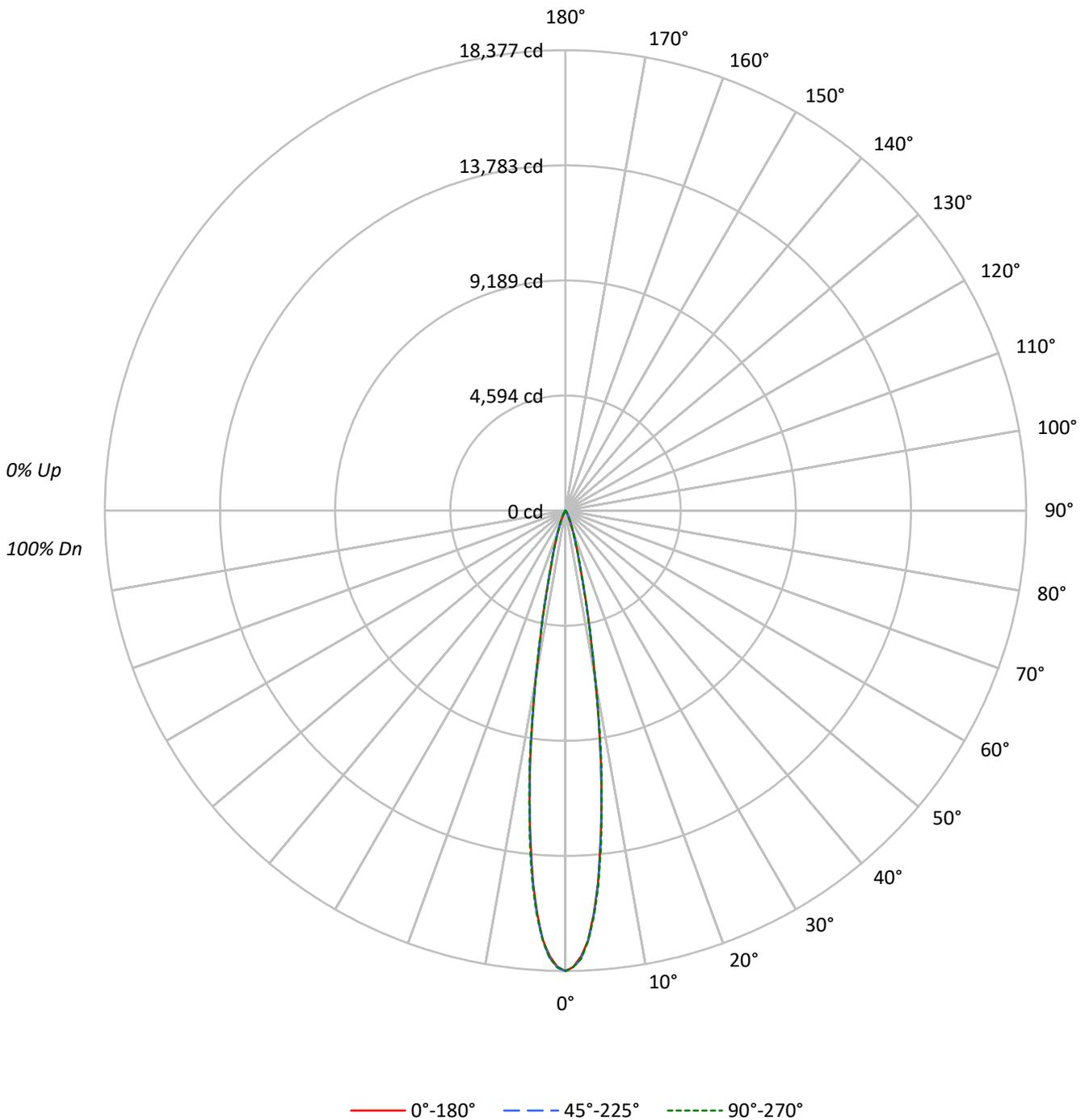
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2062.9 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3164884	3164884	3164884
5°	2573499	2582454	2591427
10°	1198519	1199656	1193133
15°	370824	384107	376886
20°	147848	156151	146052
25°	61873	72951	58794
30°	25117	33509	23188
35°	8179	15327	7485
40°	2923	6183	2923
45°	1193	1973	1193
50°	857	1313	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1973 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1150.3	55.8
10°-20°	687.8	33.3
20°-30°	175.0	8.5
30°-40°	38.0	1.8
40°-50°	6.1	0.3
50°-60°	2.9	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
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°	2013.0	97.6
0°-40°	2051.1	99.4
0°-60°	2060.1	99.9
0°-90°	2062.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2062.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18377	18377	18377	18377	18377	
5°	14886	14907	14938	14870	14990	1148
15°	2080	2138	2154	2124	2114	685
25°	326	348	384	340	309	165
35°	39	50	73	49	36	31
45°	5	6	8	6	5	5
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18376.7	18376.7	18376.7	18376.7	18376.7
1°	18216.3	18247.1	18252.0	18247.1	18221.2
2°	17806.5	17897.2	17877.8	17838.9	17894.0
3°	17173.2	17218.5	17212.1	17215.3	17202.3
4°	16143.0	16222.3	16177.0	16211.0	16214.3
5°	14886.0	14907.1	14937.8	14869.8	14989.7
6°	13339.1	13473.5	13355.3	13471.9	13518.9
7°	11766.3	11844.0	11693.4	11774.4	11823.0
8°	10157.8	10021.7	10104.3	10106.0	10266.3
9°	8421.4	8448.9	8518.6	8439.2	8508.8
10°	6853.4	6916.6	6859.9	6832.3	6822.6
11°	5411.8	5483.0	5478.2	5486.3	5432.8
12°	4354.0	4316.8	4341.1	4261.7	4297.3
13°	3388.6	3390.3	3370.8	3338.4	3309.3
14°	2654.9	2638.7	2684.0	2643.5	2606.3
15°	2079.8	2138.1	2154.3	2123.6	2113.8
17.5°	1282.9	1284.5	1307.2	1278.0	1274.8
20°	806.7	826.1	852.0	821.2	796.9
22.5°	510.2	528.1	568.6	529.7	495.7
25°	325.6	348.3	383.9	340.2	309.4
27.5°	204.1	225.2	259.2	218.7	196.0
30°	126.3	140.9	168.5	137.7	116.6
32.5°	72.9	87.5	110.1	82.6	69.7
35°	38.9	50.2	72.9	48.6	35.6
37.5°	22.7	29.2	47.0	25.9	21.1
40°	13.0	17.8	27.5	16.2	13.0
42.5°	8.1	11.3	13.0	9.7	6.5
45°	4.9	6.5	8.1	6.5	4.9
47.5°	3.2	4.9	6.5	3.2	3.2
50°	3.2	3.2	4.9	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	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)