

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: P1316705

Luminaire Tested: LDSQA3D17R209740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

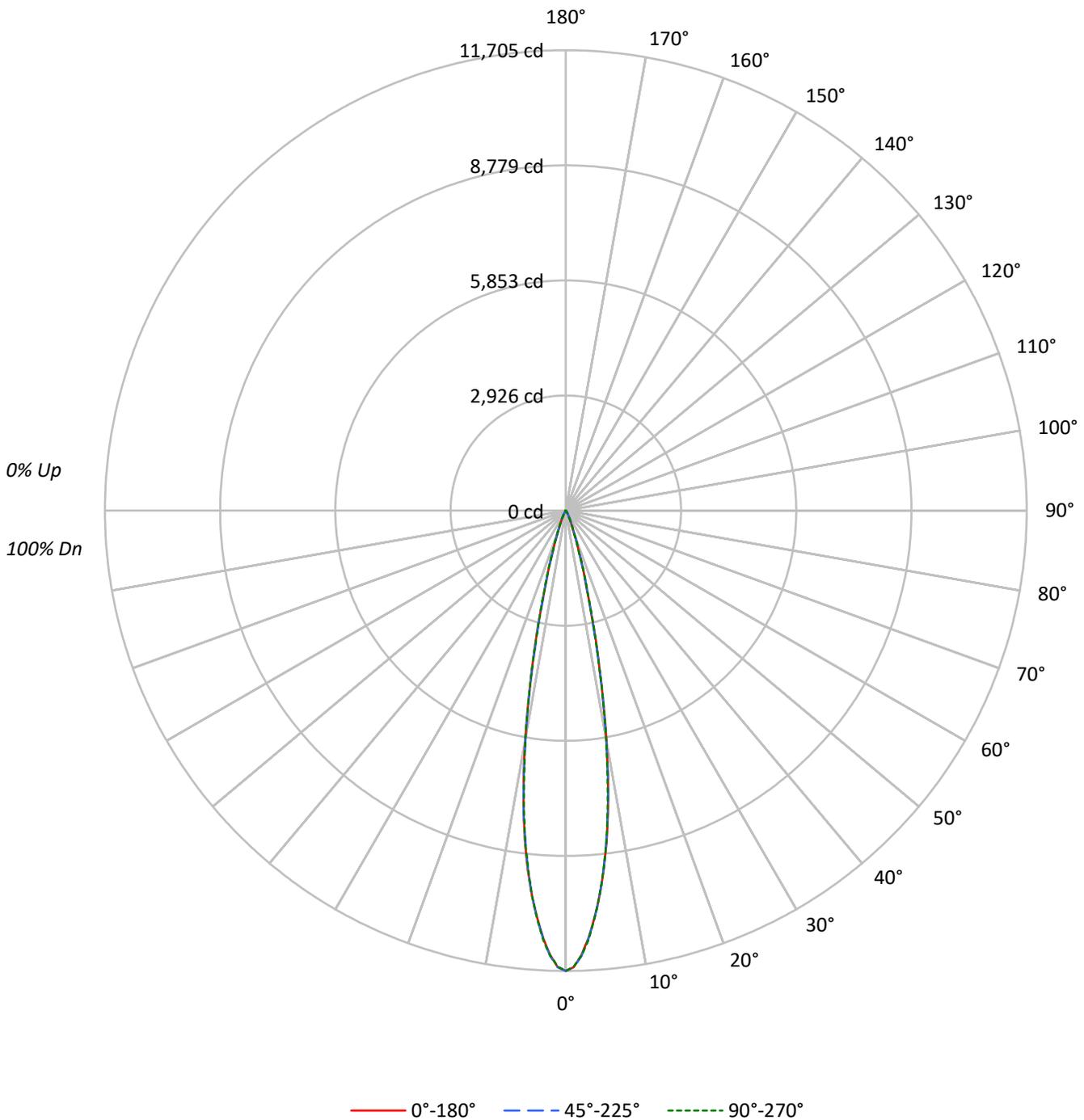
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1612.9 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2015849	2015849	2015849
5°	1699052	1699692	1698828
10°	1035374	1030565	1032960
15°	364709	366260	377599
20°	114584	117791	115280
25°	42927	46956	44105
30°	16625	23585	17381
35°	6307	10491	6812
40°	3372	4496	3372
45°	1218	2119	1510
50°	670	991	670
55°	751	751	751
60°	413	413	413
65°	489	489	489
70°	604	604	604
75°	0	0	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.5	50.4
10°-20°	637.1	39.5
20°-30°	125.1	7.8
30°-40°	28.1	1.7
40°-50°	6.4	0.4
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	0.5	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°	1574.8	97.6
0°-40°	1602.8	99.4
0°-60°	1611.2	99.9
0°-90°	1612.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1612.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11705	11705	11705	11705	11705	
5°	9828	9837	9832	9865	9827	814
15°	2046	2054	2054	2099	2118	636
25°	226	241	247	243	232	119
35°	30	36	50	36	32	22
45°	5	8	9	8	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11704.9	11704.9	11704.9	11704.9	11704.9
1°	11610.0	11585.1	11613.8	11591.3	11596.3
2°	11309.3	11295.5	11333.0	11309.3	11321.7
3°	10891.2	10873.7	10901.2	10902.4	10937.4
4°	10392.0	10358.3	10399.5	10400.7	10407.0
5°	9827.9	9836.6	9831.6	9865.3	9826.6
6°	9193.9	9222.6	9185.2	9203.9	9150.2
7°	8485.1	8448.9	8430.2	8436.4	8473.8
8°	7702.6	7677.6	7705.1	7666.4	7640.2
9°	6832.7	6789.0	6819.0	6781.6	6744.1
10°	5920.5	5900.5	5893.0	5850.6	5906.7
11°	5005.7	4945.8	4975.7	4954.5	5015.7
12°	4149.6	4154.5	4095.9	4114.6	4122.1
13°	3377.1	3297.2	3307.2	3358.3	3367.1
14°	2619.5	2630.8	2634.5	2670.7	2691.9
15°	2045.5	2054.2	2054.2	2099.1	2117.8
17.5°	1097.0	1097.0	1120.7	1125.7	1128.2
20°	625.2	629.0	642.7	641.5	629.0
22.5°	374.4	381.9	389.4	381.9	374.4
25°	225.9	240.9	247.1	243.4	232.1
27.5°	134.8	151.0	168.5	154.8	133.5
30°	83.6	92.4	118.6	94.8	87.4
32.5°	46.2	59.9	81.1	62.4	47.4
35°	30.0	36.2	49.9	36.2	32.4
37.5°	21.2	25.0	31.2	26.2	22.5
40°	15.0	17.5	20.0	18.7	15.0
42.5°	10.0	12.5	13.7	12.5	10.0
45°	5.0	7.5	8.7	7.5	6.2
47.5°	2.5	3.7	6.2	3.7	2.5
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	1.2	2.5	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	1.2
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)