

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: P1312688

Luminaire Tested: LDSQA3D17R209050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

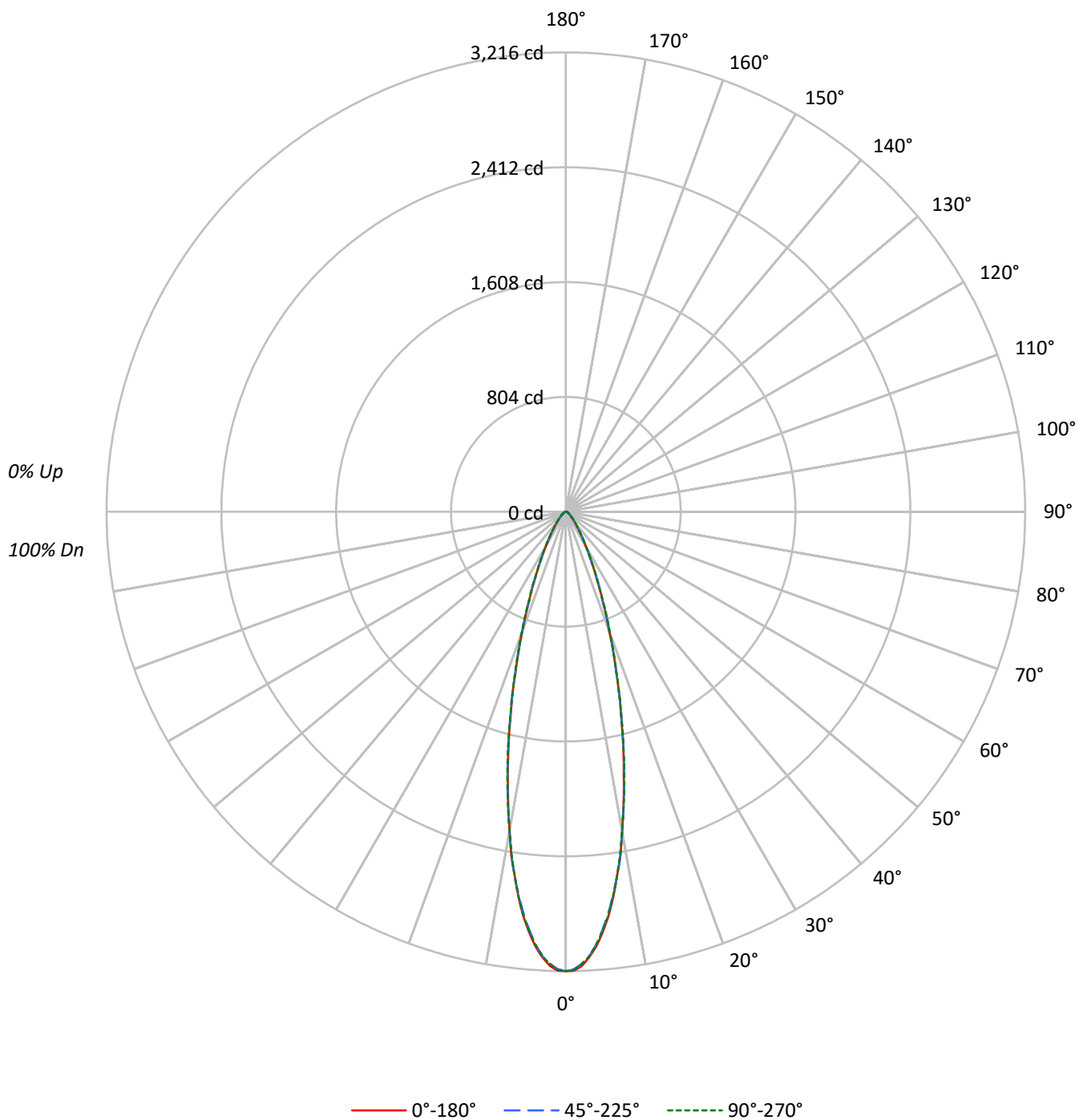
Lumens per Lamp: N/A
Luminaire Lumens: 1130.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	553782	553782	553782
5°	510896	507975	509669
10°	396452	396941	396941
15°	267964	269212	269212
20°	162749	164801	165571
25°	95469	96800	96534
30°	55682	56816	57094
35°	34018	34922	34922
40°	22145	22460	22774
45°	15417	15758	16099
50°	11307	11682	11682
55°	8888	9308	9308
60°	7750	7750	8232
65°	6887	6887	7457
70°	6395	6395	6395
75°	5590	5590	5590
80°	4166	4166	5554
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16099 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	22.9
10°-20°	415.2	36.7
20°-30°	240.5	21.3
30°-40°	107.8	9.5
40°-50°	51.1	4.5
50°-60°	28.0	2.5
60°-70°	17.0	1.5
70°-80°	9.1	0.8
80°-90°	2.0	0.2
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°	915.0	81.0
0°-40°	1022.8	90.5
0°-60°	1101.9	97.5
0°-90°	1130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3216	3216	3216	3216	3216	
5°	2955	2945	2938	2944	2948	260
15°	1503	1503	1510	1503	1510	414
25°	502	502	509	505	508	238
35°	162	163	166	168	166	106
45°	63	63	65	65	66	50
55°	30	30	31	31	31	27
65°	17	17	17	17	18	17
75°	8	8	8	8	8	9
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3215.5	3215.5	3215.5	3215.5	3215.5
1°	3214.1	3205.6	3202.8	3200.0	3208.5
2°	3181.7	3171.9	3166.2	3169.1	3170.5
3°	3124.0	3118.4	3118.4	3114.2	3117.0
4°	3049.4	3038.2	3038.2	3039.6	3039.6
5°	2955.2	2945.3	2938.3	2943.9	2948.1
6°	2849.6	2837.0	2831.3	2832.7	2842.6
7°	2720.2	2703.3	2706.1	2713.1	2713.1
8°	2573.8	2572.4	2575.2	2572.4	2575.2
9°	2438.7	2419.0	2435.9	2421.8	2428.9
10°	2267.0	2265.6	2269.8	2274.1	2269.8
12.5°	1875.8	1882.9	1885.7	1880.0	1892.7
15°	1502.9	1502.9	1509.9	1502.9	1509.9
17.5°	1169.4	1168.0	1173.6	1168.0	1176.4
20°	888.0	897.8	899.2	899.2	903.4
22.5°	669.8	669.8	675.5	676.9	674.1
25°	502.4	502.4	509.4	505.2	508.0
27.5°	371.5	374.3	379.9	382.8	382.8
30°	280.0	281.4	285.7	287.1	287.1
32.5°	211.1	213.9	216.7	218.1	219.5
35°	161.8	163.2	166.1	167.5	166.1
37.5°	123.8	125.2	128.1	129.5	129.5
40°	98.5	98.5	99.9	101.3	101.3
42.5°	77.4	78.8	78.8	80.2	80.2
45°	63.3	63.3	64.7	64.7	66.1
47.5°	50.7	50.7	52.1	53.5	53.5
50°	42.2	42.2	43.6	43.6	43.6
52.5°	35.2	35.2	36.6	36.6	36.6
55°	29.6	29.6	31.0	31.0	31.0
57.5°	25.3	25.3	26.7	26.7	26.7
60°	22.5	22.5	22.5	22.5	23.9
62.5°	19.7	19.7	19.7	19.7	19.7
65°	16.9	16.9	16.9	16.9	18.3
67.5°	14.1	14.1	14.1	14.1	15.5
70°	12.7	12.7	12.7	12.7	12.7
72.5°	9.9	9.9	9.9	11.3	11.3
75°	8.4	8.4	8.4	8.4	8.4
77.5°	7.0	7.0	7.0	7.0	7.0
80°	4.2	4.2	4.2	5.6	5.6
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)