

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: P1308257

Luminaire Tested: LDSQA3D17R209027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308257
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: LDSQA3D17R209027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

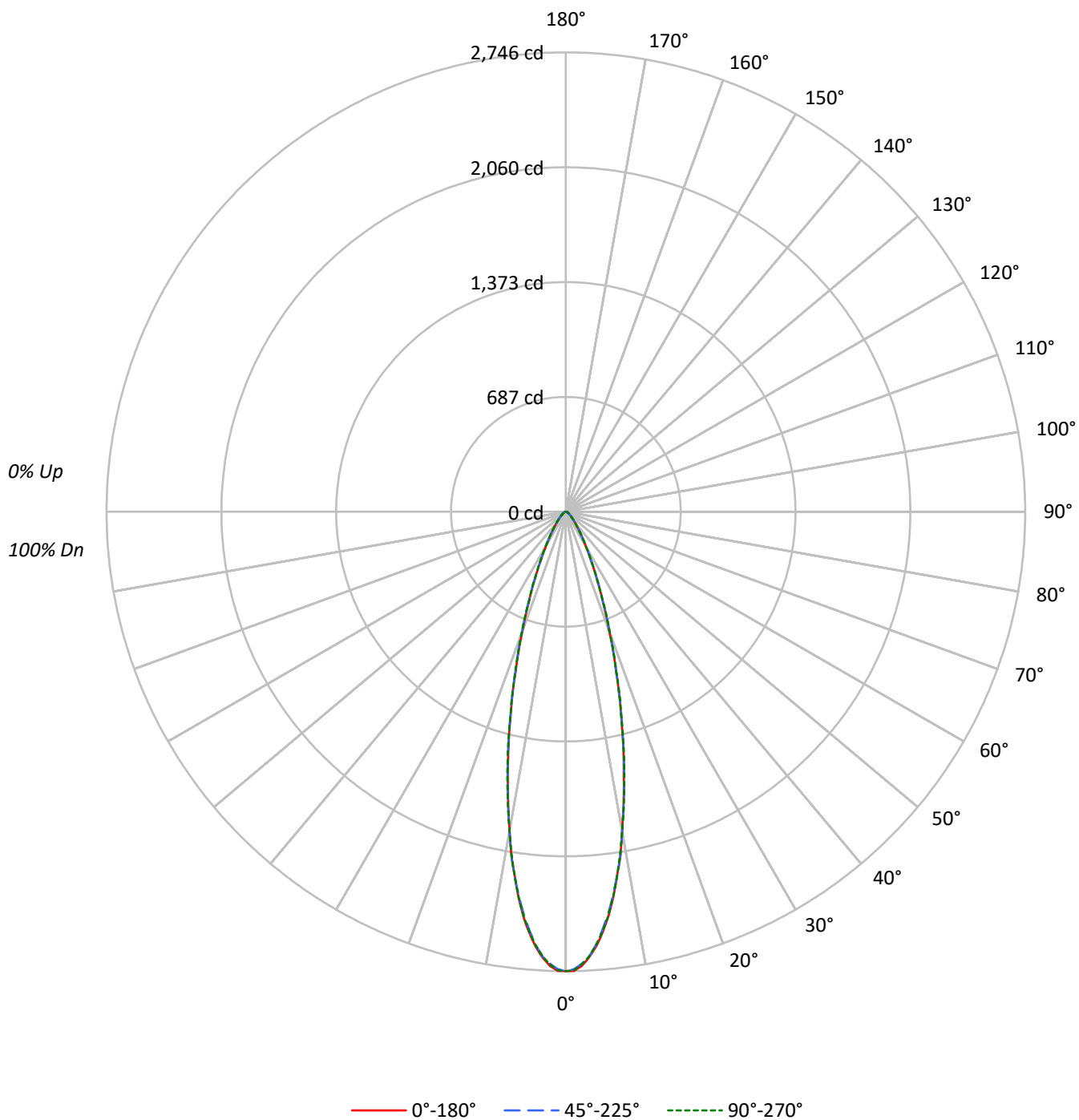
Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	472923	472923	472923
5°	436299	433792	435244
10°	338567	338986	338986
15°	228845	229915	229915
20°	138978	140737	141397
25°	81521	82662	82434
30°	47549	48523	48762
35°	29056	29813	29813
40°	18907	19177	19447
45°	13177	13469	13761
50°	9672	9994	9994
55°	7567	7927	7927
60°	6613	6613	7027
65°	5868	5868	6357
70°	5438	5438	5438
75°	4791	4791	4791
80°	3570	3570	4761
85°	2371	2371	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	22.9
10°-20°	354.6	36.7
20°-30°	205.3	21.3
30°-40°	92.1	9.5
40°-50°	43.7	4.5
50°-60°	23.9	2.5
60°-70°	14.5	1.5
70°-80°	7.8	0.8
80°-90°	1.7	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°	781.4	81.0
0°-40°	873.5	90.5
0°-60°	941.0	97.5
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2746	2746	2746	2746	2746	
5°	2524	2515	2509	2514	2518	222
15°	1284	1284	1290	1284	1290	354
25°	429	429	435	431	434	203
35°	138	139	142	143	142	90
45°	54	54	55	55	56	43
55°	25	25	26	26	26	23
65°	14	14	14	14	16	14
75°	7	7	7	7	7	8
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2746.0	2746.0	2746.0	2746.0	2746.0
1°	2744.8	2737.6	2735.2	2732.8	2740.0
2°	2717.1	2708.7	2703.9	2706.3	2707.5
3°	2667.9	2663.1	2663.1	2659.5	2661.9
4°	2604.2	2594.6	2594.6	2595.8	2595.8
5°	2523.7	2515.2	2509.2	2514.0	2517.6
6°	2433.5	2422.7	2417.9	2419.1	2427.5
7°	2323.0	2308.5	2310.9	2317.0	2317.0
8°	2198.0	2196.8	2199.2	2196.8	2199.2
9°	2082.6	2065.8	2080.2	2068.2	2074.2
10°	1936.0	1934.8	1938.4	1942.0	1938.4
12.5°	1601.9	1607.9	1610.3	1605.5	1616.3
15°	1283.5	1283.5	1289.5	1283.5	1289.5
17.5°	998.6	997.4	1002.3	997.4	1004.7
20°	758.3	766.7	767.9	767.9	771.5
22.5°	572.0	572.0	576.8	578.0	575.6
25°	429.0	429.0	435.0	431.4	433.8
27.5°	317.3	319.7	324.5	326.9	326.9
30°	239.1	240.3	244.0	245.2	245.2
32.5°	180.3	182.7	185.1	186.3	187.5
35°	138.2	139.4	141.8	143.0	141.8
37.5°	105.8	107.0	109.4	110.6	110.6
40°	84.1	84.1	85.3	86.5	86.5
42.5°	66.1	67.3	67.3	68.5	68.5
45°	54.1	54.1	55.3	55.3	56.5
47.5°	43.3	43.3	44.5	45.7	45.7
50°	36.1	36.1	37.3	37.3	37.3
52.5°	30.0	30.0	31.2	31.2	31.2
55°	25.2	25.2	26.4	26.4	26.4
57.5°	21.6	21.6	22.8	22.8	22.8
60°	19.2	19.2	19.2	19.2	20.4
62.5°	16.8	16.8	16.8	16.8	16.8
65°	14.4	14.4	14.4	14.4	15.6
67.5°	12.0	12.0	12.0	12.0	13.2
70°	10.8	10.8	10.8	10.8	10.8
72.5°	8.4	8.4	8.4	9.6	9.6
75°	7.2	7.2	7.2	7.2	7.2
77.5°	6.0	6.0	6.0	6.0	6.0
80°	3.6	3.6	3.6	4.8	4.8
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)