

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: P1318168

Luminaire Tested: LDSQA3D09R159830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159830DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

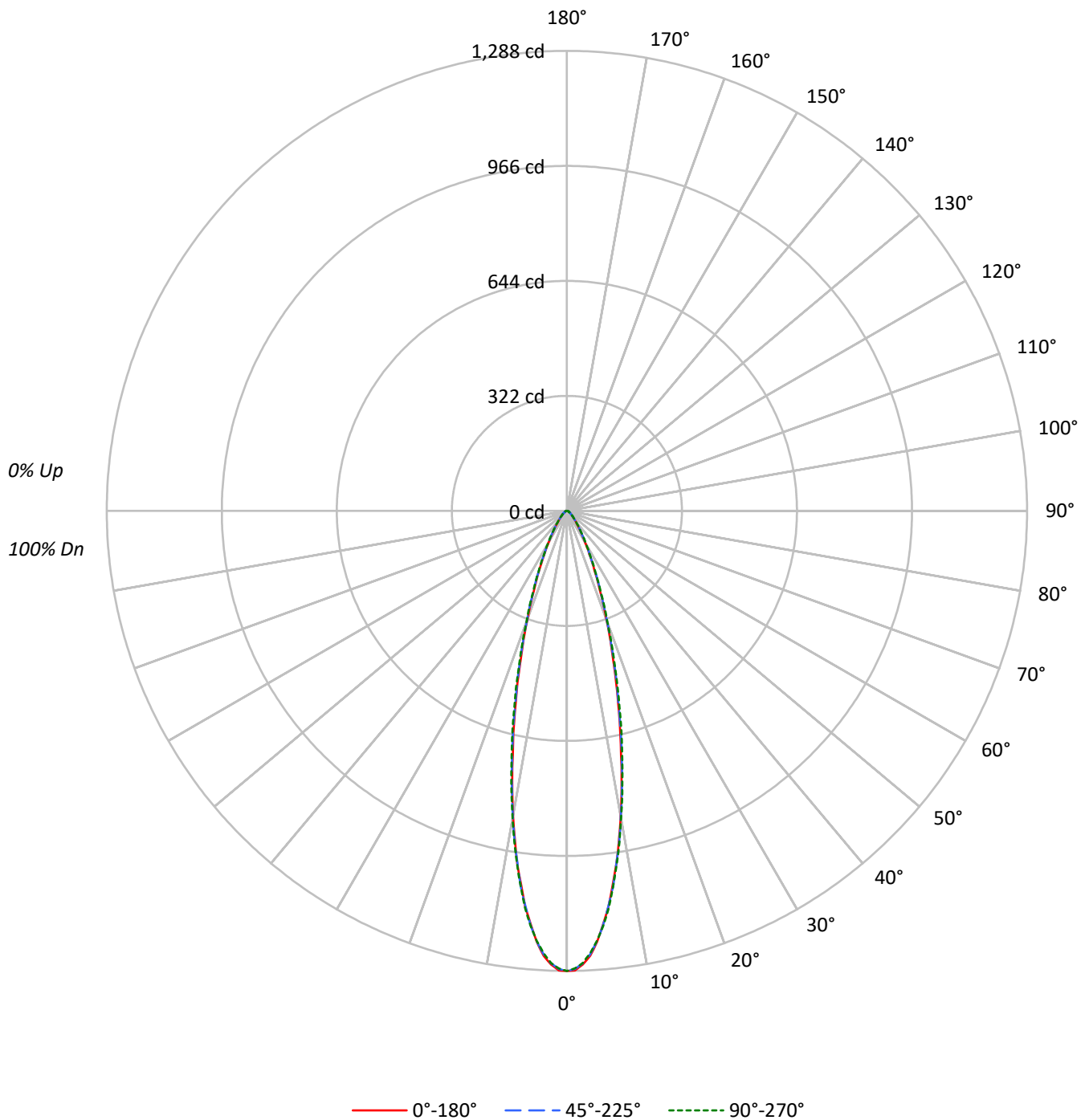
Lumens per Lamp: N/A
Luminaire Lumens: 426.0 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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		97	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	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	221857	221857	221857
5°	200956	201337	201613
10°	151708	152093	152862
15°	98403	99472	101434
20°	59253	59949	60756
25°	34623	35345	35858
30°	20344	21000	21318
35°	12531	12993	13224
40°	8228	8476	8611
45°	5724	5870	5992
50°	4260	4394	4555
55°	3453	3603	3603
60°	3031	3031	3031
65°	2690	2690	2690
70°	2216	2467	2467
75°	2196	2196	2196
80°	1587	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	23.8
10°-20°	155.1	36.4
20°-30°	88.2	20.7
30°-40°	40.2	9.4
40°-50°	19.3	4.5
50°-60°	10.8	2.5
60°-70°	6.6	1.6
70°-80°	3.5	0.8
80°-90°	0.7	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°	344.8	80.9
0°-40°	385.0	90.4
0°-60°	415.1	97.4
0°-90°	426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1288	1288	1288	1288	1288	
5°	1162	1162	1165	1165	1166	101
15°	552	555	558	566	569	153
25°	182	182	186	188	189	86
35°	60	61	62	63	63	39
45°	24	24	24	25	25	19
55°	12	12	12	12	12	11
65°	7	7	7	7	7	7
75°	3	3	3	3	3	3
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°	1288.2	1288.2	1288.2	1288.2	1288.2
1°	1287.1	1283.8	1282.7	1282.2	1281.1
2°	1270.7	1268.0	1267.4	1267.4	1266.9
3°	1247.7	1242.8	1243.3	1241.7	1240.1
4°	1208.9	1206.7	1207.8	1208.9	1206.7
5°	1162.4	1161.8	1164.6	1164.6	1166.2
6°	1114.2	1113.7	1112.1	1116.4	1118.6
7°	1053.0	1056.3	1060.6	1058.5	1060.1
8°	997.2	993.4	995.0	1000.5	1001.0
9°	931.5	928.8	935.9	938.1	938.7
10°	867.5	870.3	869.7	877.4	874.1
12.5°	700.7	705.1	710.0	713.3	716.6
15°	551.9	554.7	557.9	565.6	568.9
17.5°	424.5	427.8	431.0	437.6	438.7
20°	323.3	324.9	327.1	333.1	331.5
22.5°	241.8	244.5	246.7	249.4	251.1
25°	182.2	182.2	186.0	187.6	188.7
27.5°	135.7	136.8	139.5	141.7	141.1
30°	102.3	103.9	105.6	106.7	107.2
32.5°	78.8	78.8	80.4	82.1	82.6
35°	59.6	60.7	61.8	62.9	62.9
37.5°	46.5	47.0	48.1	48.7	48.7
40°	36.6	36.6	37.7	38.3	38.3
42.5°	29.0	29.5	30.1	30.6	30.6
45°	23.5	23.5	24.1	24.6	24.6
47.5°	19.1	19.1	19.7	20.2	20.2
50°	15.9	16.4	16.4	17.0	17.0
52.5°	13.7	13.7	13.7	14.2	14.2
55°	11.5	11.5	12.0	12.0	12.0
57.5°	9.8	9.8	9.8	10.4	10.4
60°	8.8	8.8	8.8	8.8	8.8
62.5°	7.7	7.7	7.7	7.7	7.7
65°	6.6	6.6	6.6	6.6	6.6
67.5°	5.5	5.5	5.5	6.0	6.0
70°	4.4	4.9	4.9	4.9	4.9
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.7	2.7	2.7	2.7	2.7
80°	1.6	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)