

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: P1316592

Luminaire Tested: LDSQA3D13R309740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

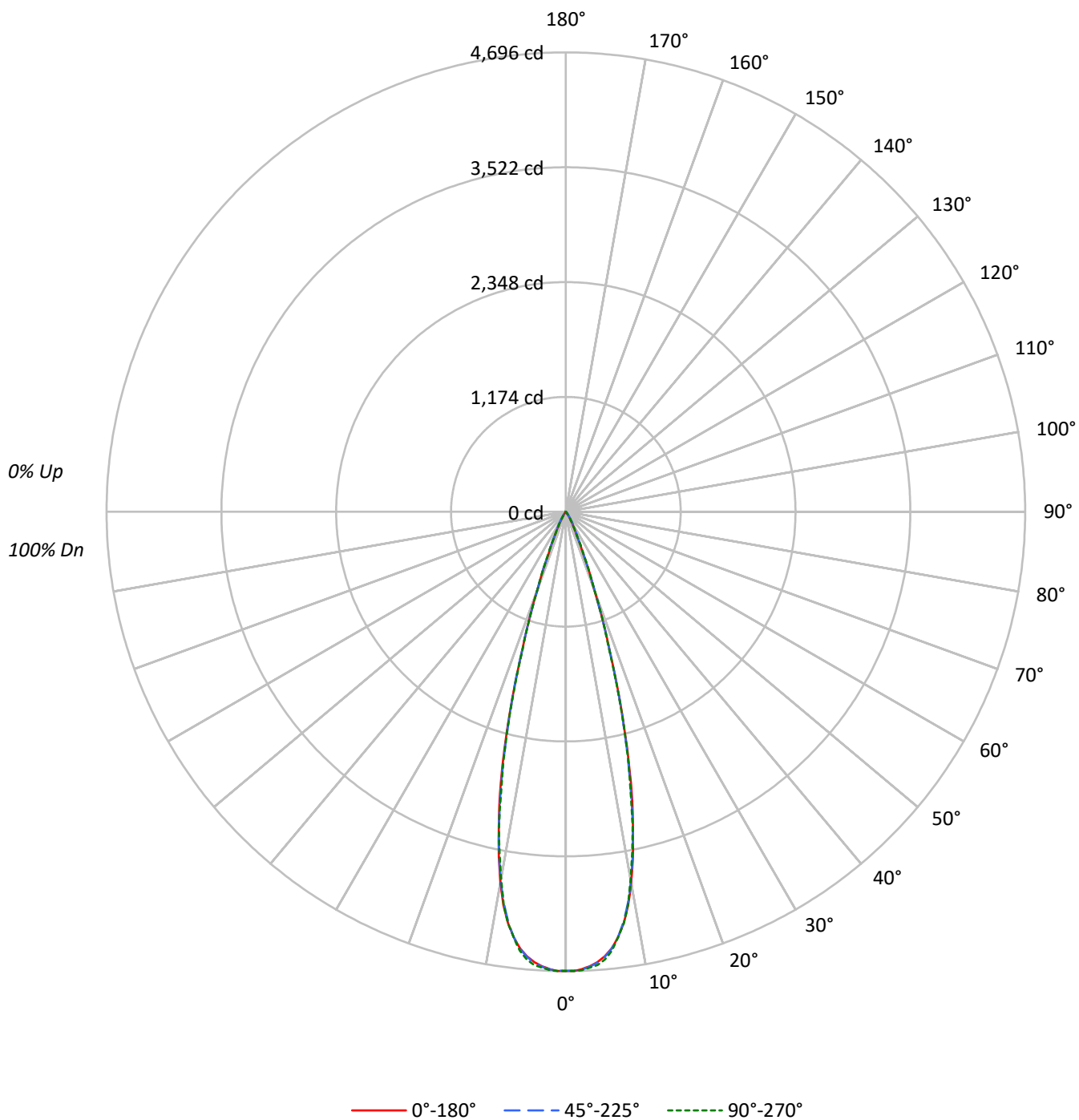
Lumens per Lamp: N/A
Luminaire Lumens: 1211.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	808275	808275	808275
5°	788560	789545	793936
10°	673496	670365	666413
15°	415630	410745	412261
20°	157085	157947	157764
25°	48324	52979	50471
30°	19489	24719	20225
35°	5740	10491	5950
40°	2338	4227	2338
45°	463	1388	463
50°	0	241	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.9	34.2
10°-20°	612.9	50.6
20°-30°	152.0	12.6
30°-40°	28.5	2.4
40°-50°	3.6	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1178.8	97.3
0°-40°	1207.4	99.7
0°-60°	1211.0	100.0
0°-90°	1211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4693	4693	4693	4693	4693	
5°	4561	4560	4567	4574	4592	414
15°	2331	2308	2304	2322	2312	616
25°	254	271	279	278	266	146
35°	27	36	50	37	28	23
45°	2	3	6	4	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	4693.2	4693.2	4693.2	4693.2	4693.2
1°	4695.1	4691.3	4691.3	4685.7	4696.0
2°	4678.1	4674.4	4681.0	4676.2	4689.4
3°	4652.7	4648.0	4657.4	4660.2	4666.8
4°	4615.0	4611.3	4621.6	4627.3	4645.2
5°	4561.3	4559.5	4567.0	4574.5	4592.4
6°	4487.9	4485.0	4489.8	4499.2	4510.5
7°	4381.4	4375.8	4379.6	4381.4	4384.3
8°	4246.8	4238.3	4233.6	4243.9	4249.6
9°	4073.5	4064.0	4053.7	4049.9	4063.1
10°	3851.2	3837.1	3833.3	3823.9	3810.7
11°	3593.1	3581.8	3579.0	3562.0	3554.5
12°	3297.4	3291.7	3298.3	3288.0	3284.2
13°	3013.9	2978.1	2973.4	2953.6	2943.3
14°	2678.6	2645.6	2644.7	2634.3	2648.5
15°	2331.1	2308.5	2303.7	2321.6	2312.2
17.5°	1486.2	1501.3	1497.5	1488.1	1472.1
20°	857.1	846.7	861.8	865.6	860.8
22.5°	456.8	460.6	463.4	474.7	482.2
25°	254.3	271.3	278.8	277.8	265.6
27.5°	158.2	168.6	182.7	173.3	162.9
30°	98.0	106.4	124.3	107.4	101.7
32.5°	52.7	66.9	80.1	66.9	54.6
35°	27.3	35.8	49.9	36.7	28.3
37.5°	17.9	20.7	32.0	20.7	17.9
40°	10.4	13.2	18.8	13.2	10.4
42.5°	4.7	7.5	10.4	7.5	4.7
45°	1.9	2.8	5.7	3.8	1.9
47.5°	0.0	0.9	2.8	0.9	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)