

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: P1316565

Luminaire Tested: LDSQA3D13R209740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316565
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: LDSQA3D13R209740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

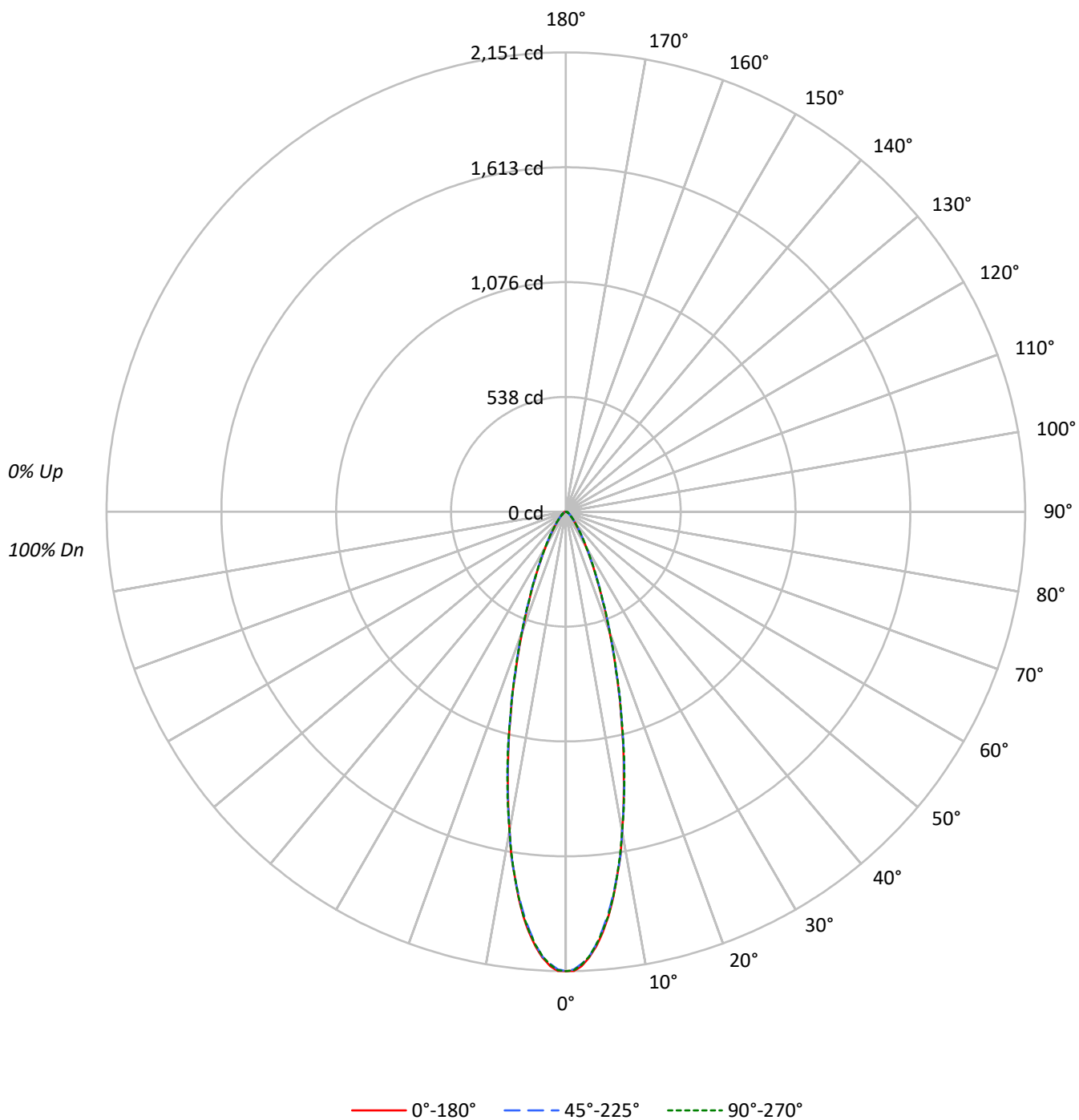
Lumens per Lamp: N/A
Luminaire Lumens: 756.0 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	370503	370503	370503
5°	341802	339848	340990
10°	265240	265572	265572
15°	179279	180117	180117
20°	108884	110259	110772
25°	63868	64761	64590
30°	37267	38003	38202
35°	22770	23358	23358
40°	14816	15018	15243
45°	10327	10546	10765
50°	7556	7824	7824
55°	5945	6215	6215
60°	5201	5201	5511
65°	4605	4605	4972
70°	4280	4280	4280
75°	3726	3726	3726
80°	2777	2777	3769
85°	1778	1778	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10765 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	22.9
10°-20°	277.8	36.7
20°-30°	160.9	21.3
30°-40°	72.1	9.5
40°-50°	34.2	4.5
50°-60°	18.7	2.5
60°-70°	11.4	1.5
70°-80°	6.1	0.8
80°-90°	1.3	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°	612.2	81.0
0°-40°	684.3	90.5
0°-60°	737.2	97.5
0°-90°	756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	1977	1970	1966	1970	1972	174
15°	1006	1006	1010	1006	1010	277
25°	336	336	341	338	340	159
35°	108	109	111	112	111	71
45°	42	42	43	43	44	34
55°	20	20	21	21	21	18
65°	11	11	11	11	12	11
75°	6	6	6	6	6	6
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°	2151.3	2151.3	2151.3	2151.3	2151.3
1°	2150.3	2144.7	2142.8	2140.9	2146.5
2°	2128.7	2122.1	2118.3	2120.2	2121.1
3°	2090.1	2086.3	2086.3	2083.5	2085.3
4°	2040.2	2032.6	2032.6	2033.6	2033.6
5°	1977.1	1970.5	1965.8	1969.5	1972.4
6°	1906.5	1898.0	1894.2	1895.2	1901.8
7°	1819.9	1808.6	1810.4	1815.1	1815.1
8°	1721.9	1721.0	1722.9	1721.0	1722.9
9°	1631.6	1618.4	1629.7	1620.3	1625.0
10°	1516.7	1515.8	1518.6	1521.4	1518.6
12.5°	1255.0	1259.7	1261.6	1257.8	1266.3
15°	1005.5	1005.5	1010.2	1005.5	1010.2
17.5°	782.4	781.4	785.2	781.4	787.1
20°	594.1	600.7	601.6	601.6	604.4
22.5°	448.1	448.1	451.9	452.8	451.0
25°	336.1	336.1	340.8	338.0	339.9
27.5°	248.5	250.4	254.2	256.1	256.1
30°	187.4	188.3	191.1	192.1	192.1
32.5°	141.2	143.1	145.0	145.9	146.9
35°	108.3	109.2	111.1	112.0	111.1
37.5°	82.8	83.8	85.7	86.6	86.6
40°	65.9	65.9	66.8	67.8	67.8
42.5°	51.8	52.7	52.7	53.7	53.7
45°	42.4	42.4	43.3	43.3	44.2
47.5°	33.9	33.9	34.8	35.8	35.8
50°	28.2	28.2	29.2	29.2	29.2
52.5°	23.5	23.5	24.5	24.5	24.5
55°	19.8	19.8	20.7	20.7	20.7
57.5°	16.9	16.9	17.9	17.9	17.9
60°	15.1	15.1	15.1	15.1	16.0
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.3	11.3	11.3	11.3	12.2
67.5°	9.4	9.4	9.4	9.4	10.4
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.6	6.6	6.6	7.5	7.5
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.7	4.7	4.7	4.7	4.7
80°	2.8	2.8	2.8	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	1.9
87.5°	0.0	0.0	0.0	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)