

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: P1320276

Luminaire Tested: LDSQA3D17R359840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359840DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

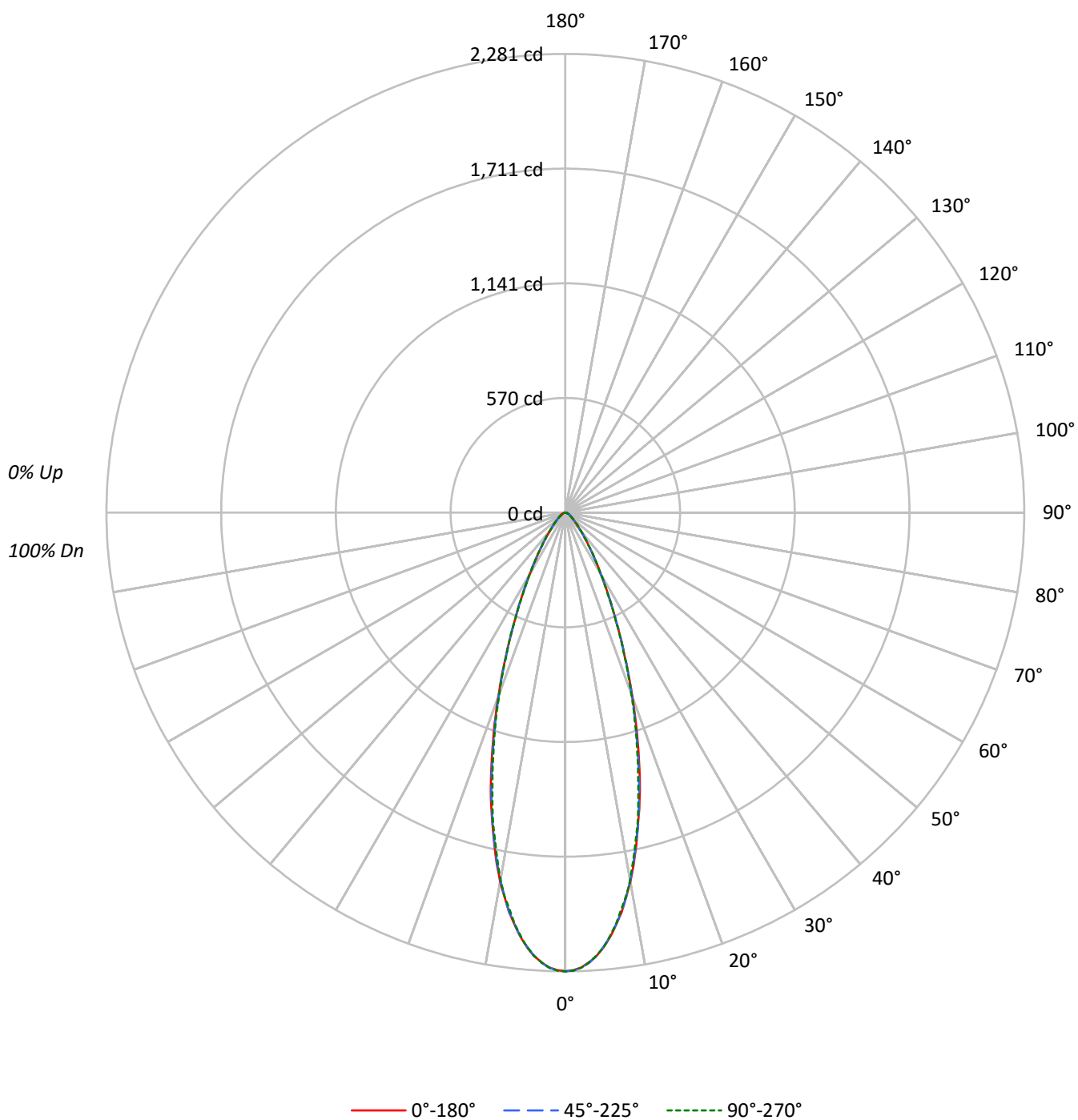
Lumens per Lamp: N/A
Luminaire Lumens: 1124.9 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	392874	392874	392874
5°	375410	374753	375410
10°	325905	324804	324366
15°	255376	253361	249368
20°	178657	177062	175908
25°	113465	114168	113465
30°	69901	70398	69901
35°	43247	43500	43500
40°	27473	27743	27743
45°	18511	18827	19119
50°	13370	13691	13691
55°	10479	10479	10479
60°	8577	8577	8577
65°	7621	7621	7621
70°	6899	6899	6899
75°	5789	5789	5789
80°	4959	4959	4959
85°	2371	2371	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 19119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	17.5
10°-20°	388.2	34.5
20°-30°	280.1	24.9
30°-40°	135.0	12.0
40°-50°	62.2	5.5
50°-60°	32.2	2.9
60°-70°	18.6	1.7
70°-80°	9.4	0.8
80°-90°	2.2	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°	865.3	76.9
0°-40°	1000.4	88.9
0°-60°	1094.8	97.3
0°-90°	1124.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2281	2281	2281	2281	2281	
5°	2172	2176	2168	2169	2172	197
15°	1432	1430	1421	1415	1399	391
25°	597	598	601	601	597	280
35°	206	206	207	207	207	134
45°	76	77	77	78	78	62
55°	35	35	35	35	35	32
65°	19	19	19	19	19	18
75°	9	9	9	9	9	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2281.2	2281.2	2281.2	2281.2	2281.2
1°	2274.9	2278.7	2277.4	2278.7	2277.4
2°	2263.7	2266.2	2263.7	2264.9	2264.9
3°	2240.0	2242.5	2242.5	2241.3	2240.0
4°	2211.3	2217.6	2211.3	2212.6	2208.9
5°	2171.5	2176.4	2167.7	2169.0	2171.5
6°	2122.8	2124.1	2121.6	2120.4	2117.9
7°	2066.8	2071.7	2063.0	2064.3	2061.8
8°	2006.9	2005.7	2005.7	2000.7	1993.2
9°	1934.6	1939.6	1932.1	1929.6	1930.9
10°	1863.6	1863.6	1857.3	1851.1	1854.8
11°	1782.5	1780.0	1776.3	1767.6	1765.1
12°	1694.0	1699.0	1687.8	1684.1	1675.3
13°	1603.0	1610.5	1605.5	1591.8	1593.1
14°	1518.3	1513.3	1509.6	1507.1	1498.3
15°	1432.3	1429.8	1421.0	1414.8	1398.6
17.5°	1196.7	1199.2	1183.0	1180.5	1174.2
20°	974.8	967.3	966.1	967.3	959.8
22.5°	769.1	776.6	767.9	769.1	764.1
25°	597.1	598.3	600.8	600.8	597.1
27.5°	463.7	463.7	461.2	463.7	460.0
30°	351.5	351.5	354.0	356.5	351.5
32.5°	271.7	271.7	271.7	273.0	274.2
35°	205.7	205.7	206.9	206.9	206.9
37.5°	158.3	159.6	160.8	160.8	160.8
40°	122.2	123.4	123.4	124.7	123.4
42.5°	97.2	97.2	97.2	98.5	98.5
45°	76.0	77.3	77.3	78.5	78.5
47.5°	62.3	62.3	62.3	63.6	63.6
50°	49.9	51.1	51.1	51.1	51.1
52.5°	41.1	41.1	42.4	42.4	42.4
55°	34.9	34.9	34.9	34.9	34.9
57.5°	28.7	29.9	29.9	29.9	29.9
60°	24.9	24.9	24.9	24.9	24.9
62.5°	21.2	21.2	21.2	21.2	21.2
65°	18.7	18.7	18.7	18.7	18.7
67.5°	15.0	16.2	16.2	16.2	16.2
70°	13.7	13.7	13.7	13.7	13.7
72.5°	10.0	11.2	11.2	11.2	11.2
75°	8.7	8.7	8.7	8.7	8.7
77.5°	7.5	6.2	6.2	6.2	7.5
80°	5.0	5.0	5.0	5.0	5.0
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	1.2	1.2



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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)