

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: P1307198

Luminaire Tested: LDSQA3D13R459024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

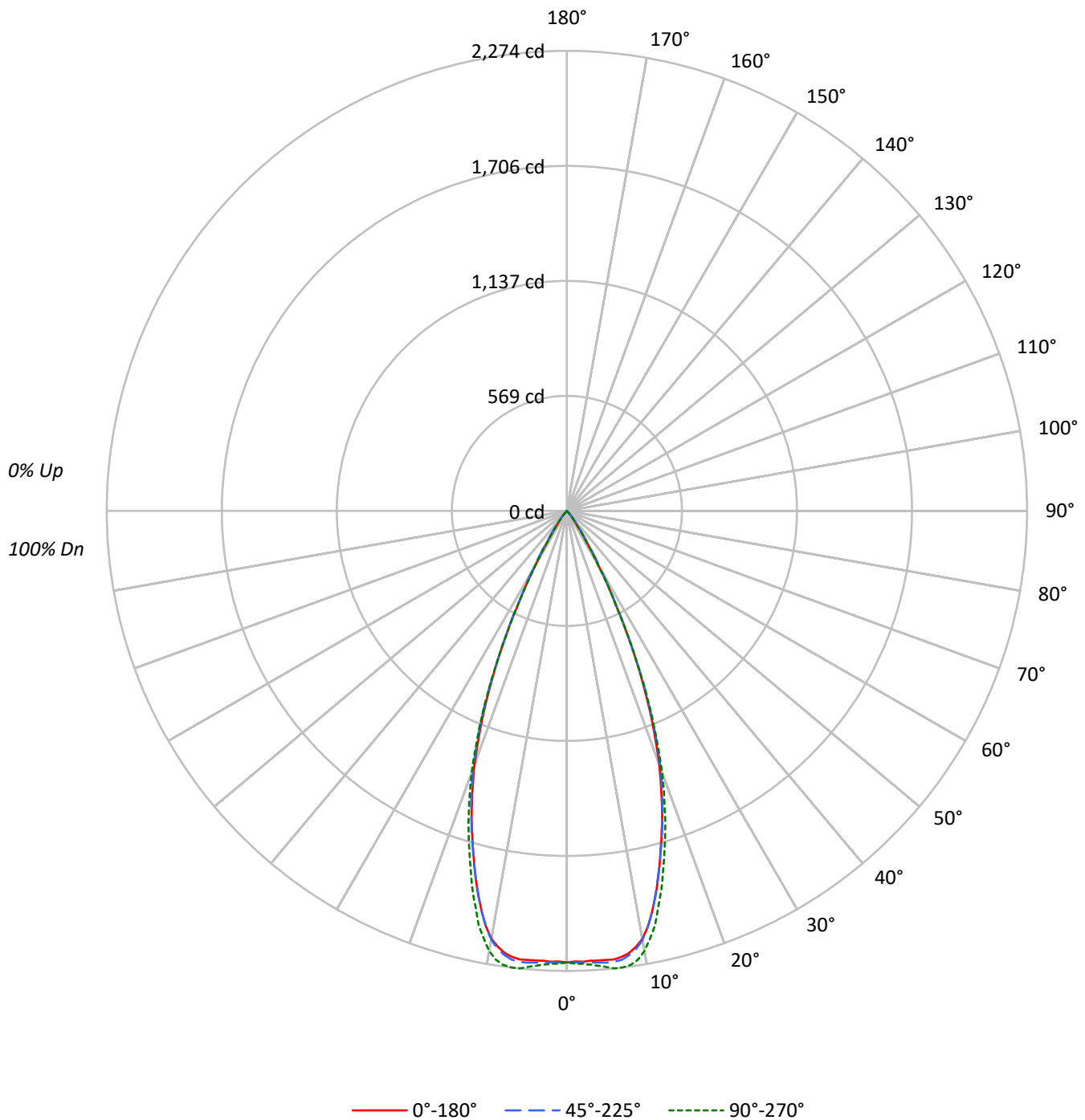
Lumens per Lamp: N/A
Luminaire Lumens: 1154.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	384401	384401	384401
5°	385281	387512	391367
10°	375641	376393	386291
15°	316907	317067	327462
20°	244636	248082	252169
25°	151755	151926	152895
30°	62603	66521	61589
35°	19469	23800	18754
40°	5980	8296	5598
45°	414	3142	414
50°	0	455	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: 3142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	18.4
10°-20°	493.9	42.8
20°-30°	362.3	31.4
30°-40°	77.9	6.7
40°-50°	7.4	0.6
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°	1068.7	92.6
0°-40°	1146.5	99.4
0°-60°	1154.0	100.0
0°-90°	1154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2232	2232	2232	2232	2232	
5°	2229	2235	2242	2257	2264	211
15°	1777	1774	1778	1807	1837	489
25°	799	796	800	800	805	358
35°	93	100	113	97	89	73
45°	2	5	13	5	2	4
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°	2232.0	2232.0	2232.0	2232.0	2232.0
1°	2227.7	2232.9	2232.9	2236.3	2238.0
2°	2229.5	2232.9	2232.0	2238.0	2240.6
3°	2226.9	2232.9	2234.6	2241.5	2245.8
4°	2227.7	2232.9	2238.0	2248.3	2254.3
5°	2228.6	2234.6	2241.5	2256.9	2263.8
6°	2229.5	2233.8	2241.5	2261.2	2274.1
7°	2220.9	2226.9	2235.5	2260.3	2274.1
8°	2207.2	2210.6	2217.5	2250.1	2266.4
9°	2181.4	2180.6	2190.9	2226.9	2245.8
10°	2148.0	2137.7	2152.3	2188.3	2208.9
11°	2093.9	2082.8	2095.6	2134.2	2154.0
12°	2023.6	2023.6	2026.2	2060.5	2094.8
13°	1949.0	1940.4	1945.5	1984.1	2008.1
14°	1866.6	1858.0	1863.2	1892.3	1930.1
15°	1777.4	1774.0	1778.3	1806.6	1836.6
17.5°	1565.5	1557.8	1573.2	1601.5	1617.0
20°	1334.8	1347.6	1353.6	1371.6	1375.9
22.5°	1069.7	1083.4	1092.0	1094.6	1097.1
25°	798.6	796.1	799.5	799.5	804.6
27.5°	525.0	525.0	534.4	528.4	522.4
30°	314.8	327.7	334.5	323.4	309.7
32.5°	171.6	184.4	195.6	179.3	167.3
35°	92.6	99.5	113.2	96.9	89.2
37.5°	50.6	56.6	65.2	54.9	50.6
40°	26.6	32.6	36.9	32.6	24.9
42.5°	8.6	16.3	21.4	16.3	7.7
45°	1.7	5.1	12.9	5.1	1.7
47.5°	0.0	0.9	6.0	0.9	0.0
50°	0.0	0.0	1.7	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)