

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: P1308353

Luminaire Tested: LDSQA3D17R609027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

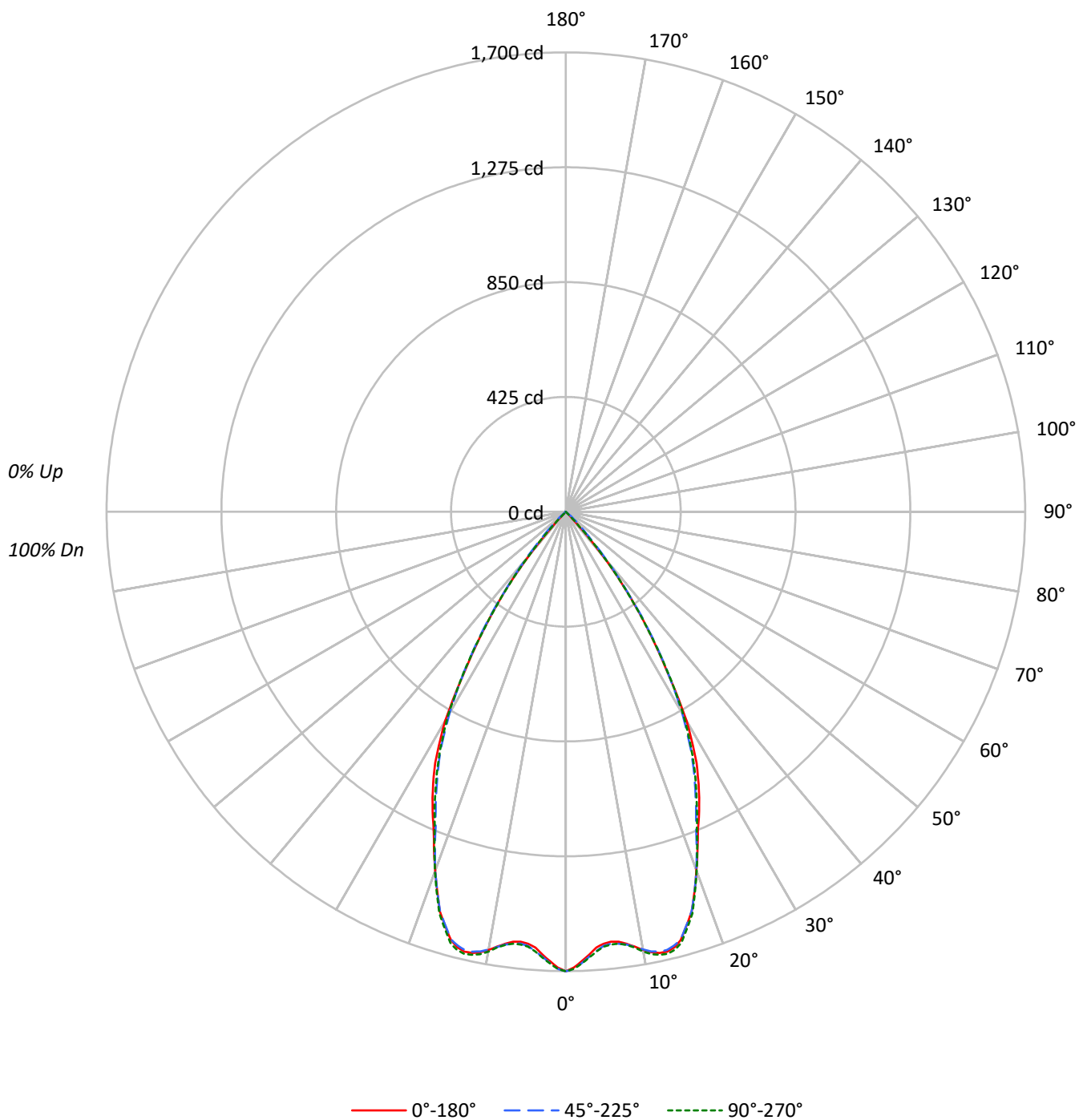
Lumens per Lamp: N/A
Luminaire Lumens: 1507.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	292865	292865	292865
5°	277369	278822	279237
10°	287939	287519	289198
15°	292694	292266	294423
20°	259023	259023	259463
25°	221970	215357	217181
30°	177567	171124	173749
35°	110168	112439	109916
40°	48359	53238	49708
45°	585	17268	1461
50°	0	1929	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: 17268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	10.3
10°-20°	450.2	29.9
20°-30°	522.7	34.7
30°-40°	329.1	21.8
40°-50°	49.4	3.3
50°-60°	0.3	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°	1128.2	74.9
0°-40°	1457.3	96.7
0°-60°	1507.0	100.0
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1604	1610	1613	1616	1615	155
15°	1642	1636	1639	1650	1651	450
25°	1168	1155	1133	1138	1143	531
35°	524	525	535	524	523	327
45°	2	23	71	30	6	32
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°	1700.5	1700.5	1700.5	1700.5	1700.5
1°	1687.3	1692.1	1692.1	1693.3	1692.1
2°	1664.5	1671.7	1671.7	1675.3	1672.9
3°	1641.6	1647.7	1648.9	1653.7	1652.5
4°	1616.4	1626.0	1629.6	1632.0	1630.8
5°	1604.4	1610.4	1612.8	1616.4	1615.2
6°	1599.6	1604.4	1606.8	1610.4	1610.4
7°	1603.2	1606.8	1610.4	1612.8	1610.4
8°	1614.0	1617.6	1617.6	1622.4	1618.8
9°	1629.6	1630.8	1630.8	1636.8	1633.2
10°	1646.5	1644.1	1644.1	1652.5	1653.7
11°	1660.9	1658.5	1657.3	1665.7	1668.1
12°	1669.3	1664.5	1664.5	1675.3	1676.5
13°	1670.5	1664.5	1664.5	1675.3	1678.9
14°	1660.9	1653.7	1654.9	1666.9	1670.5
15°	1641.6	1635.6	1639.2	1650.1	1651.3
17.5°	1550.3	1546.7	1549.1	1556.3	1557.5
20°	1413.3	1410.9	1413.3	1413.3	1415.7
22.5°	1277.5	1271.5	1259.5	1266.7	1267.9
25°	1168.1	1154.9	1133.3	1138.1	1142.9
27.5°	1048.0	1031.1	1008.3	1014.3	1015.5
30°	892.9	884.5	860.5	866.5	873.7
32.5°	689.8	712.7	698.2	697.0	698.2
35°	524.0	525.2	534.8	524.0	522.8
37.5°	366.5	367.7	375.0	362.9	364.1
40°	215.1	230.7	236.8	231.9	221.1
42.5°	67.3	119.0	134.6	116.6	74.5
45°	2.4	22.8	70.9	30.0	6.0
47.5°	0.0	1.2	33.7	2.4	0.0
50°	0.0	0.0	7.2	0.0	0.0
52.5°	0.0	0.0	1.2	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)