

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: P1317584

Luminaire Tested: LDSQA3D17R159827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

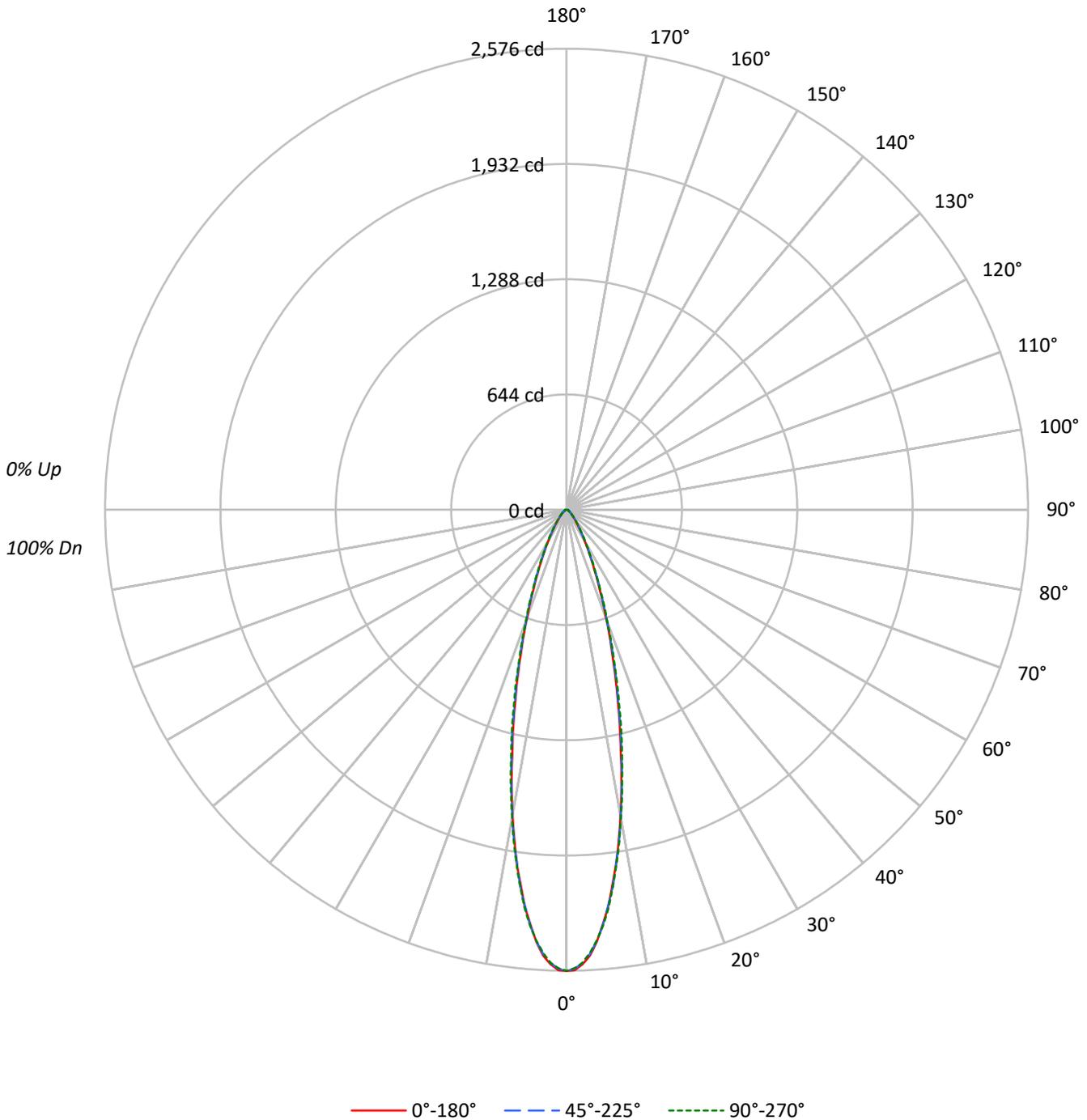
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 852.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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 (A_{in}): 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

TEST NUMBER: P1317584
CATALOG NUMBER: LDSQA3D17R159827DE010 3LSQPHRL1MW

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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	443714	443714	443714
5°	401913	402656	403226
10°	303433	304203	305724
15°	196823	198963	202867
20°	118506	119899	121512
25°	69227	70690	71716
30°	40688	41981	42637
35°	25061	25986	26449
40°	16479	16974	17221
45°	11447	11715	11983
50°	8493	8788	9083
55°	6906	7236	7236
60°	6028	6028	6028
65°	5338	5338	5338
70°	4431	4935	4935
75°	4392	4392	4392
80°	3273	4364	4364
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 11983 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.9	23.8
10°-20°	310.3	36.4
20°-30°	176.4	20.7
30°-40°	80.5	9.4
40°-50°	38.6	4.5
50°-60°	21.6	2.5
60°-70°	13.2	1.5
70°-80°	7.1	0.8
80°-90°	1.5	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°	689.6	80.9
0°-40°	770.1	90.4
0°-60°	830.3	97.4
0°-90°	852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2576	2576	2576	2576	2576	
5°	2325	2324	2329	2329	2332	203
15°	1104	1109	1116	1131	1138	306
25°	364	364	372	375	377	173
35°	119	121	124	126	126	78
45°	47	47	48	49	49	37
55°	23	23	24	24	24	21
65°	13	13	13	13	13	13
75°	7	7	7	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2576.4	2576.4	2576.4	2576.4	2576.4
1°	2574.2	2567.6	2565.5	2564.4	2562.2
2°	2541.4	2535.9	2534.8	2534.8	2533.7
3°	2495.4	2485.6	2486.7	2483.4	2480.1
4°	2417.8	2413.4	2415.6	2417.8	2413.4
5°	2324.8	2323.7	2329.1	2329.1	2332.4
6°	2228.5	2227.4	2224.1	2232.9	2237.2
7°	2106.0	2112.5	2121.3	2116.9	2120.2
8°	1994.4	1986.7	1990.0	2000.9	2002.0
9°	1863.1	1857.6	1871.9	1876.2	1877.3
10°	1735.1	1740.6	1739.5	1754.8	1748.2
12.5°	1401.4	1410.2	1420.0	1426.6	1433.2
15°	1103.9	1109.3	1115.9	1131.2	1137.8
17.5°	849.0	855.5	862.1	875.2	877.4
20°	646.6	649.8	654.2	666.3	663.0
22.5°	483.6	489.0	493.4	498.9	502.2
25°	364.3	364.3	372.0	375.2	377.4
27.5°	271.3	273.5	279.0	283.3	282.3
30°	204.6	207.9	211.1	213.3	214.4
32.5°	157.5	157.5	160.8	164.1	165.2
35°	119.2	121.4	123.6	125.8	125.8
37.5°	93.0	94.1	96.3	97.4	97.4
40°	73.3	73.3	75.5	76.6	76.6
42.5°	58.0	59.1	60.2	61.3	61.3
45°	47.0	47.0	48.1	49.2	49.2
47.5°	38.3	38.3	39.4	40.5	40.5
50°	31.7	32.8	32.8	33.9	33.9
52.5°	27.4	27.4	27.4	28.4	28.4
55°	23.0	23.0	24.1	24.1	24.1
57.5°	19.7	19.7	19.7	20.8	20.8
60°	17.5	17.5	17.5	17.5	17.5
62.5°	15.3	15.3	15.3	15.3	15.3
65°	13.1	13.1	13.1	13.1	13.1
67.5°	10.9	10.9	10.9	12.0	12.0
70°	8.8	9.8	9.8	9.8	9.8
72.5°	7.7	7.7	7.7	7.7	7.7
75°	6.6	6.6	6.6	6.6	6.6
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.3	4.4	4.4	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)