

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: P1308499

Luminaire Tested: LDSQA3D20R609027D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308499
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: LDSQA3D20R609027D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

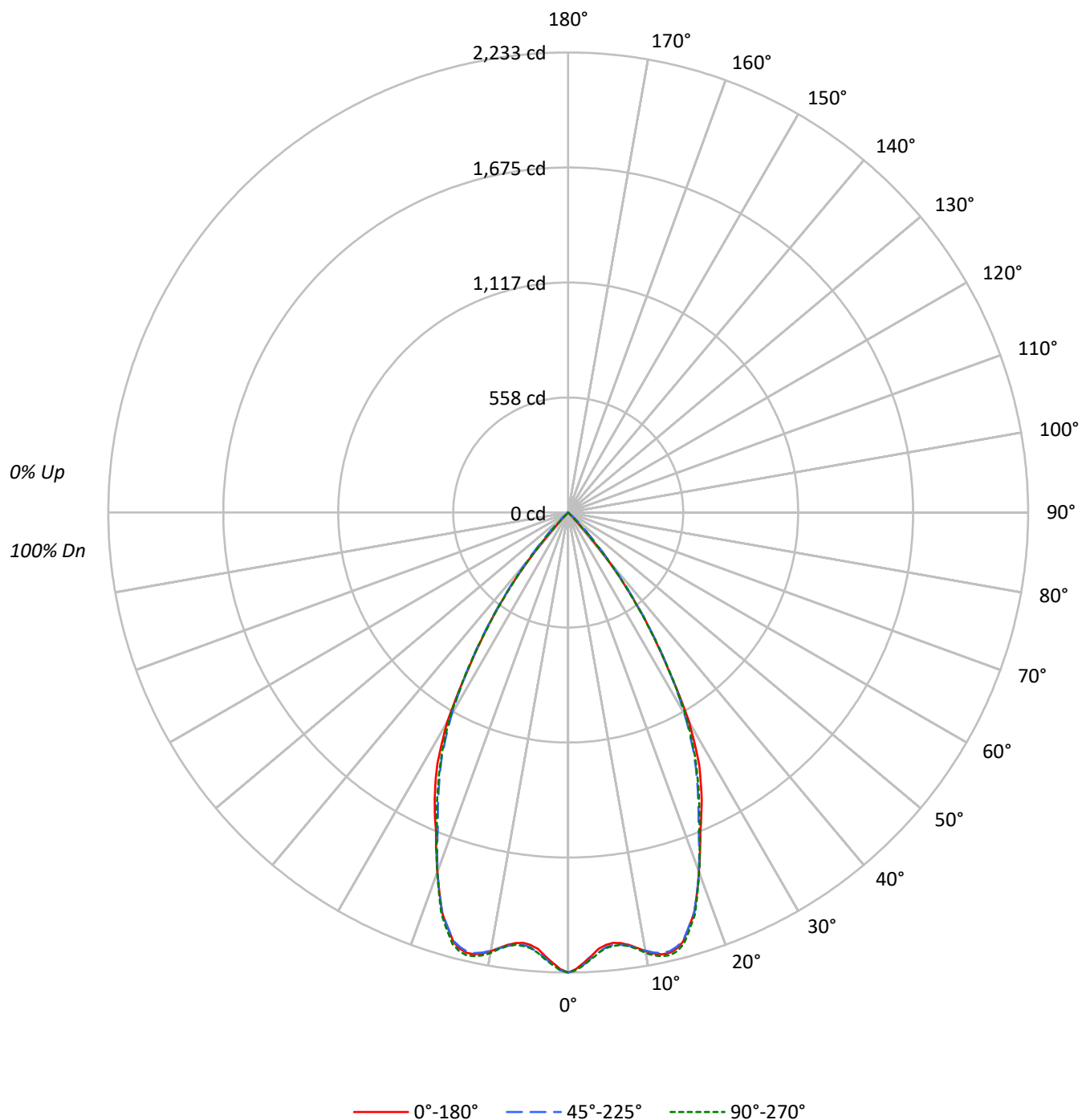
Lumens per Lamp: N/A
Luminaire Lumens: 1979.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P1308499

CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308499

CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCDR1MB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	384608	384608	384608
5°	364242	366144	366697
10°	378107	377565	379768
15°	384375	383822	386621
20°	340159	340159	340727
25°	291501	282798	285211
30°	233190	224718	228178
35°	144670	147655	144333
40°	63512	69897	65288
45°	779	22675	1924
50°	0	2545	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: 22675 cd/sqm

TEST NUMBER: P1308499

CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.0	10.3
10°-20°	591.2	29.9
20°-30°	686.4	34.7
30°-40°	432.2	21.8
40°-50°	64.9	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°	1481.6	74.9
0°-40°	1913.8	96.7
0°-60°	1979.0	100.0
0°-90°	1979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2233	2233	2233	2233	2233	
5°	2107	2115	2118	2123	2121	203
15°	2156	2148	2153	2167	2168	591
25°	1534	1517	1488	1495	1501	697
35°	688	690	702	688	686	430
45°	3	30	93	40	8	43
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	

TEST NUMBER: P1308499

CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2233.2	2233.2	2233.2	2233.2	2233.2
1°	2215.8	2222.1	2222.1	2223.7	2222.1
2°	2185.8	2195.3	2195.3	2200.0	2196.9
3°	2155.8	2163.7	2165.3	2171.6	2170.0
4°	2122.7	2135.3	2140.0	2143.2	2141.6
5°	2106.9	2114.8	2117.9	2122.7	2121.1
6°	2100.6	2106.9	2110.1	2114.8	2114.8
7°	2105.3	2110.1	2114.8	2117.9	2114.8
8°	2119.5	2124.3	2124.3	2130.6	2125.8
9°	2140.0	2141.6	2141.6	2149.5	2144.8
10°	2162.1	2159.0	2159.0	2170.0	2171.6
11°	2181.1	2177.9	2176.3	2187.4	2190.5
12°	2192.1	2185.8	2185.8	2200.0	2201.6
13°	2193.7	2185.8	2185.8	2200.0	2204.7
14°	2181.1	2171.6	2173.2	2189.0	2193.7
15°	2155.8	2147.9	2152.7	2166.9	2168.4
17.5°	2035.9	2031.1	2034.3	2043.8	2045.3
20°	1856.0	1852.8	1856.0	1856.0	1859.1
22.5°	1677.6	1669.7	1654.0	1663.4	1665.0
25°	1534.0	1516.7	1488.2	1494.6	1500.9
27.5°	1376.2	1354.1	1324.1	1332.0	1333.6
30°	1172.6	1161.6	1130.0	1137.9	1147.4
32.5°	905.9	935.9	916.9	915.4	916.9
35°	688.1	689.7	702.3	688.1	686.5
37.5°	481.4	482.9	492.4	476.6	478.2
40°	282.5	303.0	310.9	304.6	290.4
42.5°	88.4	156.2	176.8	153.1	97.8
45°	3.2	30.0	93.1	39.5	7.9
47.5°	0.0	1.6	44.2	3.2	0.0
50°	0.0	0.0	9.5	0.0	0.0
52.5°	0.0	0.0	1.6	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



TEST NUMBER: P1308499

CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)