

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: P1312813

Luminaire Tested: LDSQA3D20R159050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159050D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

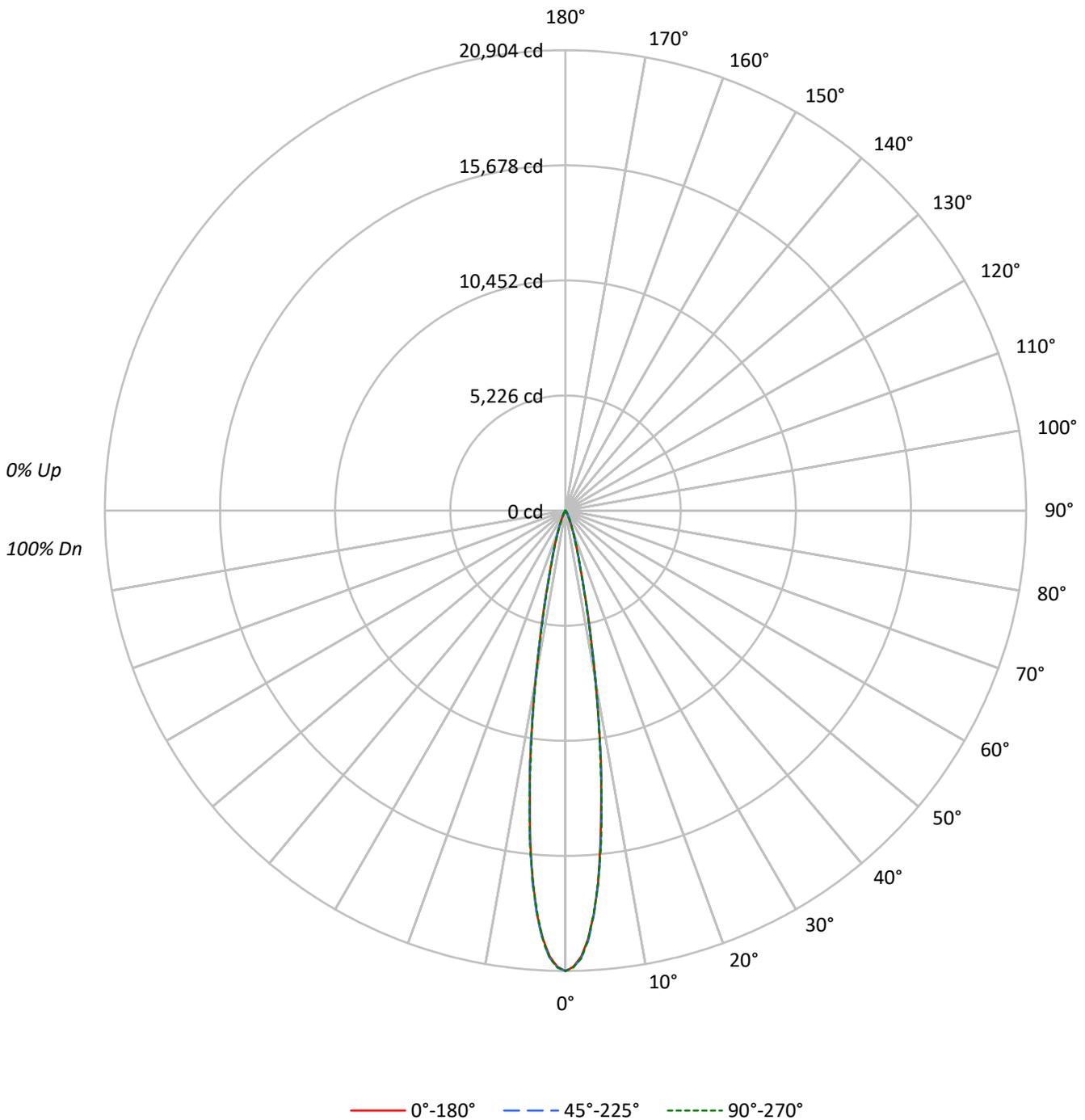
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2333.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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: P1312813
CATALOG NUMBER: LDSQA3D20R159050D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312813

CATALOG NUMBER: LDSQA3D20R159050D010 3LSQCDR1MMS

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3600073	3600073	3600073
5°	2931120	2940697	2934958
10°	1367312	1379572	1362136
15°	429359	432979	430358
20°	170116	176879	164710
25°	68733	83099	66281
30°	27523	37804	26051
35°	8158	16672	7758
40°	2496	6228	2068
45°	438	1340	438
50°	0	482	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: 1340 cd/sqm



TEST NUMBER: P1312813

CATALOG NUMBER: LDSQA3D20R159050D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1308.8	56.1
10°-20°	782.7	33.6
20°-30°	197.4	8.5
30°-40°	40.3	1.7
40°-50°	3.7	0.2
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°	2288.9	98.1
0°-40°	2329.2	99.8
0°-60°	2333.0	100.0
0°-90°	2333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20904	20904	20904	20904	20904	
5°	16955	16923	17010	16968	16977	1305
15°	2408	2428	2428	2393	2414	783
25°	362	395	437	388	349	186
35°	39	52	79	50	37	32
45°	2	4	6	4	2	2
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	0



TEST NUMBER: P1312813
 CATALOG NUMBER: LDSQA3D20R159050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20903.6	20903.6	20903.6	20903.6	20903.6
1°	20715.4	20785.5	20748.6	20778.1	20744.9
2°	20267.0	20361.1	20331.6	20322.3	20348.2
3°	19477.2	19586.0	19582.4	19554.7	19510.4
4°	18399.5	18355.2	18423.5	18416.1	18340.5
5°	16954.6	16923.3	17010.0	16967.6	16976.8
6°	15186.8	15323.4	15293.9	15297.6	15332.6
7°	13288.0	13361.8	13424.6	13476.3	13404.3
8°	11544.2	11525.8	11531.3	11590.4	11391.1
9°	9591.9	9706.3	9632.5	9514.4	9590.0
10°	7818.6	7888.7	7888.7	7785.3	7789.0
11°	6233.4	6290.6	6250.0	6275.9	6113.5
12°	5024.8	4882.7	4849.5	4875.3	4873.4
13°	3836.4	3845.6	3836.4	3834.5	3816.1
14°	3007.8	3055.8	3035.5	2985.7	2963.6
15°	2408.1	2428.4	2428.4	2393.4	2413.7
17.5°	1446.7	1470.7	1476.2	1452.3	1452.3
20°	928.2	939.3	965.1	930.0	898.7
22.5°	572.0	596.0	640.3	588.7	562.8
25°	361.7	394.9	437.3	387.5	348.8
27.5°	227.0	254.7	291.6	243.6	219.6
30°	138.4	156.9	190.1	153.2	131.0
32.5°	77.5	92.3	119.9	88.6	73.8
35°	38.8	51.7	79.3	49.8	36.9
37.5°	22.1	27.7	49.8	24.0	20.3
40°	11.1	14.8	27.7	14.8	9.2
42.5°	3.7	7.4	11.1	7.4	3.7
45°	1.8	3.7	5.5	3.7	1.8
47.5°	0.0	0.0	1.8	0.0	0.0
50°	0.0	0.0	1.8	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



TEST NUMBER: P1312813
CATALOG NUMBER: LDSQA3D20R159050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)