

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: P1312830

Luminaire Tested: LDSQA3D20R209050D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209050D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

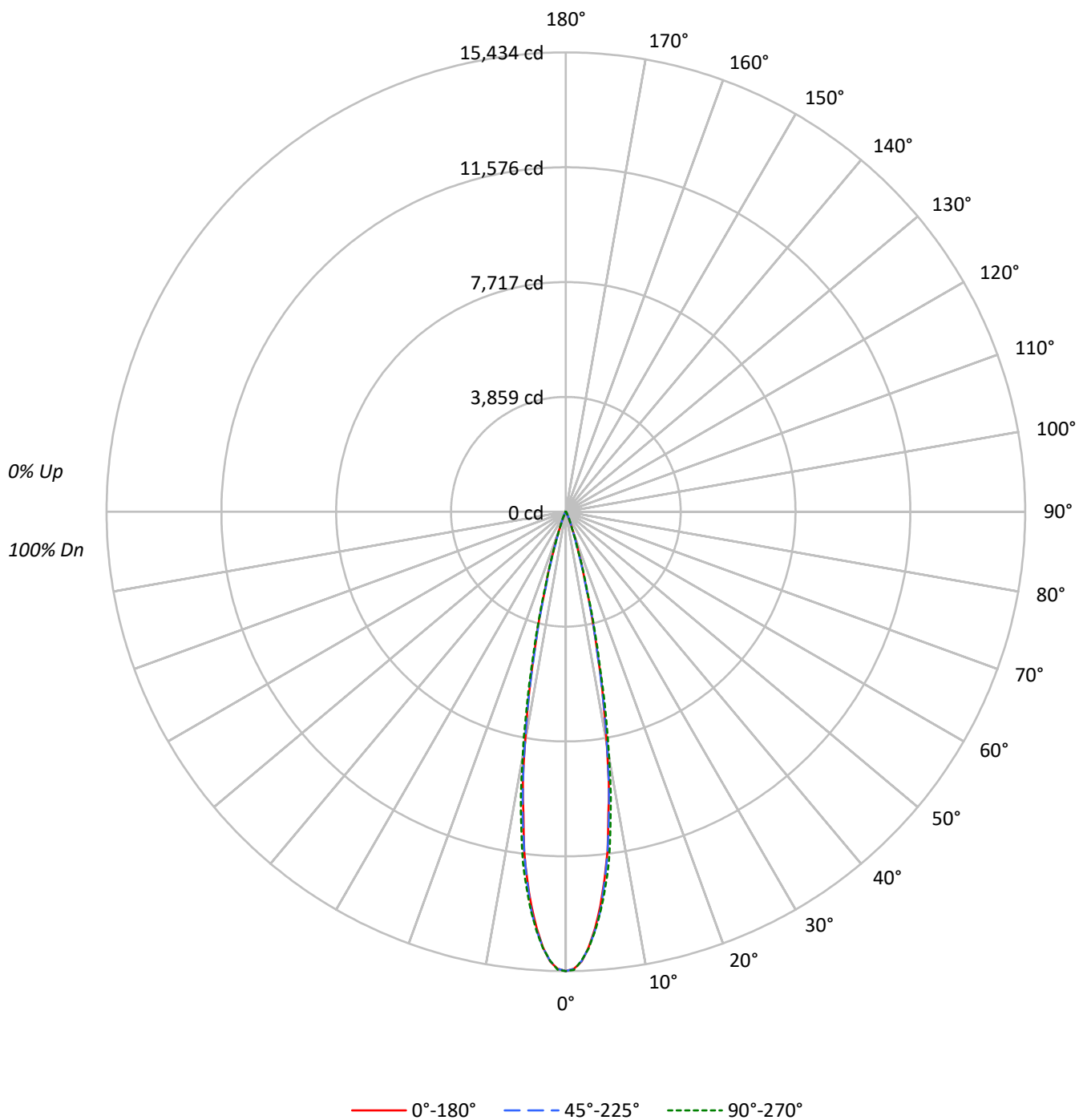
Lumens per Lamp: N/A
Luminaire Lumens: 2073.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312830

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312830

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2658101	2658101	2658101
5°	2296285	2317688	2326297
10°	1382335	1395258	1464685
15°	478124	466927	504138
20°	125580	118121	118469
25°	27383	32989	37549
30°	11753	11753	12111
35°	6602	5824	6202
40°	2900	3327	3732
45°	901	1340	1340
50°	482	482	482
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: 22.5°

Vertical Angle: 45°

Luminance: 1340 cd/sqm

TEST NUMBER: P1312830

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1103.9	53.3
10°-20°	840.5	40.5
20°-30°	103.9	5.0
30°-40°	19.7	0.9
40°-50°	4.7	0.2
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°	2048.3	98.8
0°-40°	2068.0	99.8
0°-60°	2073.0	100.0
0°-90°	2073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15434	15434	15434	15434	15434	
5°	13282	13273	13406	13397	13456	1095
15°	2682	2586	2619	2776	2828	840
25°	144	164	174	181	198	99
35°	31	31	28	30	30	20
45°	4	6	6	6	6	4
55°	0	0	0	0	0	1
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: P1312830

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15434.1	15434.1	15434.1	15434.1	15434.1
1°	15362.1	15343.6	15358.4	15327.0	15391.6
2°	15116.4	15098.0	15098.0	15079.5	15088.7
3°	14658.4	14688.0	14669.5	14630.7	14680.6
4°	14034.2	14067.4	14097.0	14098.8	14106.2
5°	13282.5	13273.3	13406.3	13397.0	13456.1
6°	12425.6	12414.5	12471.8	12567.8	12686.0
7°	11483.7	11348.9	11502.2	11696.1	11854.9
8°	10264.8	10299.9	10405.1	10634.1	10761.6
9°	9230.5	9025.5	9249.0	9522.3	9660.9
10°	7904.5	7738.3	7978.4	8266.5	8375.4
12.5°	4975.4	4831.3	4908.9	5211.8	5259.8
15°	2681.6	2585.6	2618.8	2775.8	2827.5
17.5°	1368.5	1281.7	1263.2	1363.0	1374.1
20°	685.2	664.9	644.5	653.8	646.4
22.5°	317.7	345.4	341.7	323.2	345.4
25°	144.1	164.4	173.6	181.0	197.6
27.5°	88.6	85.0	97.9	105.3	107.1
30°	59.1	57.3	59.1	60.9	60.9
32.5°	42.5	40.6	38.8	38.8	40.6
35°	31.4	31.4	27.7	29.5	29.5
37.5°	22.2	22.2	20.3	22.2	22.2
40°	12.9	14.8	14.8	14.8	16.6
42.5°	7.4	9.2	9.2	9.2	9.2
45°	3.7	5.5	5.5	5.5	5.5
47.5°	1.8	1.8	1.8	3.7	3.7
50°	1.8	1.8	1.8	1.8	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)