

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: P1316869

Luminaire Tested: LDSQA3D20R209740D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209740D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

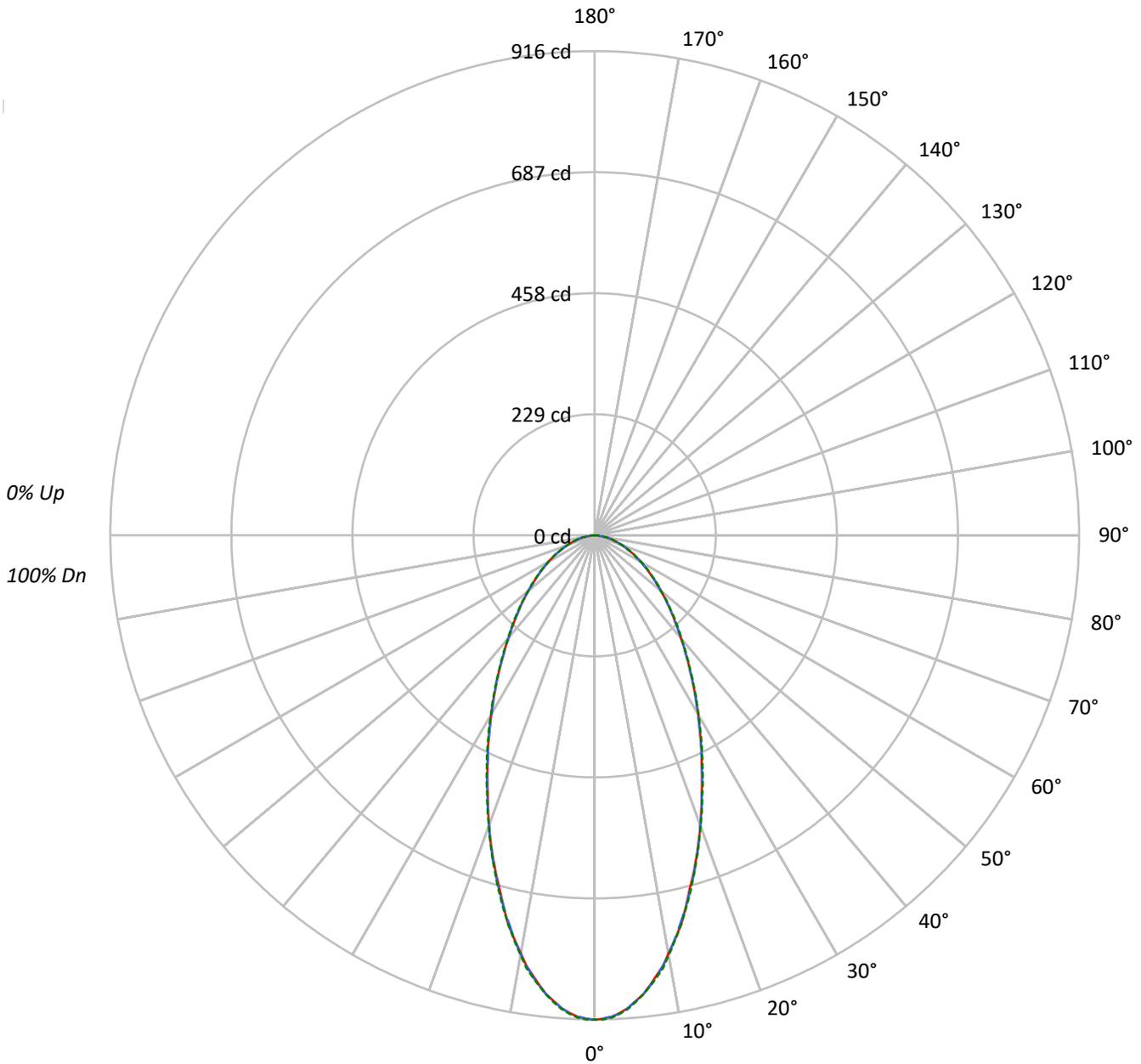
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1096.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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: P1316869
CATALOG NUMBER: LDSQA3D20R209740D010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1316869

CATALOG NUMBER: LDSQA3D20R209740D010 3LSQPHRLD1MW

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157808	157808	157808
5°	153034	153034	153328
10°	140498	140778	141075
15°	123703	124274	124577
20°	107051	107051	107363
25°	91099	91099	91726
30°	77776	77438	78095
35°	66395	66395	66732
40°	57015	57015	57397
45°	49808	49808	50222
50°	43833	43833	43833
55°	38824	38824	39304
60°	34927	34927	34927
65°	31338	31338	31338
70°	27997	27997	27997
75°	25020	23955	25020
80°	21125	21125	21125
85°	12844	12844	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 50222 cd/sqm



TEST NUMBER: P1316869

CATALOG NUMBER: LDSQA3D20R209740D010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	7.5
10°-20°	194.0	17.7
20°-30°	220.9	20.2
30°-40°	198.4	18.1
40°-50°	158.9	14.5
50°-60°	116.8	10.7
60°-70°	76.4	7.0
70°-80°	39.6	3.6
80°-90°	9.2	0.8
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°	496.8	45.3
0°-40°	695.2	63.4
0°-60°	970.9	88.6
0°-90°	1096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	885	885	885	885	887	82
15°	694	694	697	697	699	194
25°	479	479	479	481	483	221
35°	316	316	316	316	317	198
45°	204	204	204	204	206	159
55°	129	129	129	129	131	117
65°	77	75	77	77	77	76
75°	38	36	36	38	38	40
85°	6	6	6	8	8	9
90°	0	0	0	0	0	



TEST NUMBER: P1316869
 CATALOG NUMBER: LDSQA3D20R209740D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.3	916.3	916.3	916.3	916.3
1°	914.7	913.0	914.7	914.7	916.3
2°	911.4	911.4	911.4	909.8	913.0
3°	904.9	904.9	906.5	904.9	906.5
4°	896.7	896.7	896.7	895.0	898.3
5°	885.2	885.2	885.2	885.2	886.9
6°	873.8	872.1	873.8	872.1	873.8
7°	857.4	857.4	859.0	857.4	859.0
8°	841.0	839.4	842.7	841.0	844.3
9°	824.7	823.0	824.7	823.0	827.9
10°	803.4	805.0	805.0	805.0	806.7
12.5°	754.3	751.0	751.0	751.0	754.3
15°	693.8	693.8	697.0	697.0	698.7
17.5°	639.8	638.1	641.4	641.4	641.4
20°	584.1	582.5	584.1	584.1	585.8
22.5°	528.5	530.1	530.1	530.1	531.8
25°	479.4	479.4	479.4	481.1	482.7
27.5°	433.6	432.0	433.6	435.2	436.9
30°	391.1	389.4	389.4	391.1	392.7
32.5°	351.8	350.2	351.8	351.8	353.4
35°	315.8	315.8	315.8	315.8	317.4
37.5°	283.1	283.1	283.1	284.7	284.7
40°	253.6	253.6	253.6	255.3	255.3
42.5°	227.4	227.4	227.4	229.1	230.7
45°	204.5	204.5	204.5	204.5	206.2
47.5°	183.3	183.3	183.3	184.9	184.9
50°	163.6	162.0	163.6	165.3	163.6
52.5°	145.6	145.6	145.6	145.6	147.3
55°	129.3	129.3	129.3	129.3	130.9
57.5°	114.5	114.5	114.5	116.2	116.2
60°	101.4	101.4	101.4	101.4	101.4
62.5°	88.4	88.4	88.4	88.4	88.4
65°	76.9	75.3	76.9	76.9	76.9
67.5°	65.5	65.5	65.5	65.5	65.5
70°	55.6	55.6	55.6	55.6	55.6
72.5°	45.8	45.8	45.8	45.8	45.8
75°	37.6	36.0	36.0	37.6	37.6
77.5°	29.5	27.8	29.5	29.5	29.5
80°	21.3	21.3	21.3	21.3	21.3
82.5°	13.1	13.1	13.1	14.7	14.7
85°	6.5	6.5	6.5	8.2	8.2
87.5°	1.6	1.6	1.6	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)