

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: P1310674

Luminaire Tested: LDSQA3D20R309035D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309035D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

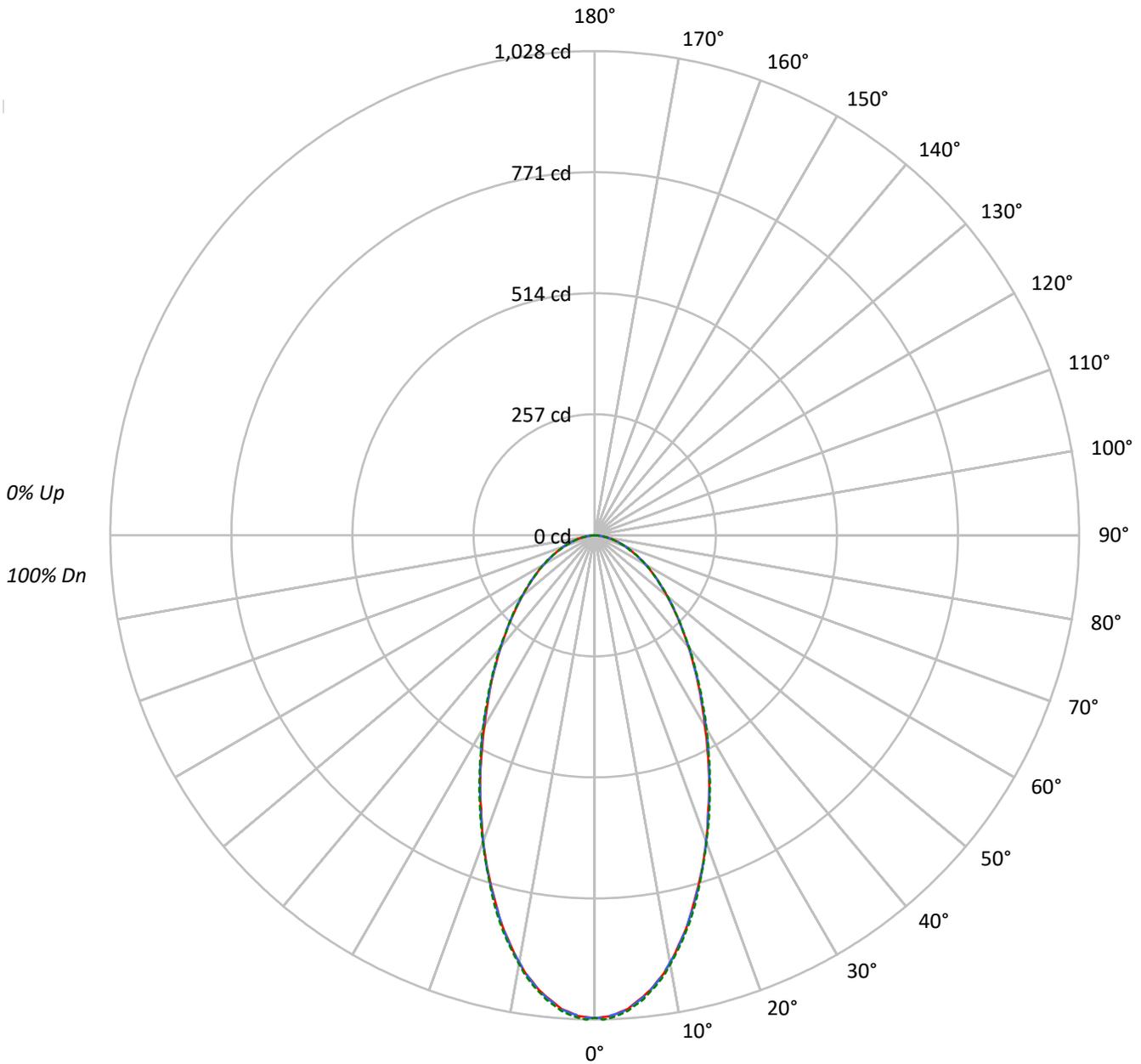
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1316.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 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: P1310674
CATALOG NUMBER: LDSQA3D20R309035D010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1310674

CATALOG NUMBER: LDSQA3D20R309035D010 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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	176511	176511	176511
5°	172154	172466	173088
10°	161081	161081	161729
15°	144439	144760	145741
20°	126772	126772	127120
25°	109303	109303	110006
30°	93029	94123	94481
35°	80377	80755	81134
40°	69582	69987	70391
45°	60744	61182	61182
50°	53640	53640	54149
55°	48102	48102	48102
60°	43262	43262	43262
65°	38592	38592	38592
70°	34845	34845	34845
75°	31474	30276	30276
80°	27076	25291	25291
85°	17982	17982	17982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 61182 cd/sqm



TEST NUMBER: P1310674

CATALOG NUMBER: LDSQA3D20R309035D010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	7.1
10°-20°	226.3	17.2
20°-30°	264.3	20.1
30°-40°	240.5	18.3
40°-50°	194.2	14.8
50°-60°	143.5	10.9
60°-70°	94.5	7.2
70°-80°	48.8	3.7
80°-90°	11.1	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°	583.4	44.3
0°-40°	823.9	62.6
0°-60°	1161.6	88.3
0°-90°	1316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1316.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	996	996	998	998	1001	93
15°	810	812	812	812	817	226
25°	575	573	575	575	579	264
35°	382	380	384	384	386	240
45°	249	251	251	251	251	194
55°	160	158	160	158	160	144
65°	95	95	95	95	95	95
75°	47	46	46	46	46	50
85°	9	9	9	9	9	11
90°	0	0	0	0	0	



TEST NUMBER: P1310674
 CATALOG NUMBER: LDSQA3D20R309035D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1024.9	1024.9	1024.9	1024.9	1024.9
1°	1023.1	1023.1	1024.9	1023.1	1028.5
2°	1021.2	1019.4	1019.4	1019.4	1024.9
3°	1014.0	1014.0	1015.8	1014.0	1019.4
4°	1008.5	1006.7	1008.5	1006.7	1012.1
5°	995.8	995.8	997.6	997.6	1001.2
6°	984.8	984.8	986.6	984.8	990.3
7°	972.1	972.1	972.1	972.1	975.7
8°	955.7	955.7	957.5	957.5	961.2
9°	941.1	939.3	939.3	939.3	944.8
10°	921.1	921.1	921.1	921.1	924.8
11°	901.1	901.1	901.1	901.1	904.7
12°	879.2	879.2	881.1	879.2	884.7
13°	859.2	859.2	859.2	859.2	862.9
14°	835.6	833.7	835.6	835.6	841.0
15°	810.1	811.9	811.9	811.9	817.4
17.5°	751.8	751.8	753.6	750.0	753.6
20°	691.7	689.9	691.7	691.7	693.6
22.5°	629.9	631.7	631.7	631.7	635.3
25°	575.2	573.4	575.2	575.2	578.9
27.5°	518.8	520.6	522.5	520.6	524.3
30°	467.8	471.5	473.3	469.7	475.1
32.5°	422.3	422.3	424.2	426.0	427.8
35°	382.3	380.5	384.1	384.1	385.9
37.5°	344.1	344.1	344.1	345.9	347.7
40°	309.5	309.5	311.3	311.3	313.1
42.5°	278.5	276.7	278.5	278.5	278.5
45°	249.4	251.2	251.2	251.2	251.2
47.5°	223.9	223.9	225.7	223.9	225.7
50°	200.2	200.2	200.2	200.2	202.1
52.5°	178.4	178.4	178.4	178.4	180.2
55°	160.2	158.4	160.2	158.4	160.2
57.5°	142.0	142.0	142.0	142.0	142.0
60°	125.6	123.8	125.6	123.8	125.6
62.5°	109.2	109.2	109.2	109.2	109.2
65°	94.7	94.7	94.7	94.7	94.7
67.5°	81.9	81.9	81.9	80.1	80.1
70°	69.2	69.2	69.2	69.2	69.2
72.5°	58.3	56.4	56.4	56.4	56.4
75°	47.3	45.5	45.5	45.5	45.5
77.5°	36.4	36.4	34.6	34.6	36.4
80°	27.3	25.5	25.5	25.5	25.5
82.5°	16.4	16.4	16.4	16.4	16.4
85°	9.1	9.1	9.1	9.1	9.1
87.5°	1.8	1.8	1.8	3.6	3.6



TEST NUMBER: P1310674
CATALOG NUMBER: LDSQA3D20R309035D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)