

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: P1309523

Luminaire Tested: LDSQA3D20R209030D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209030D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

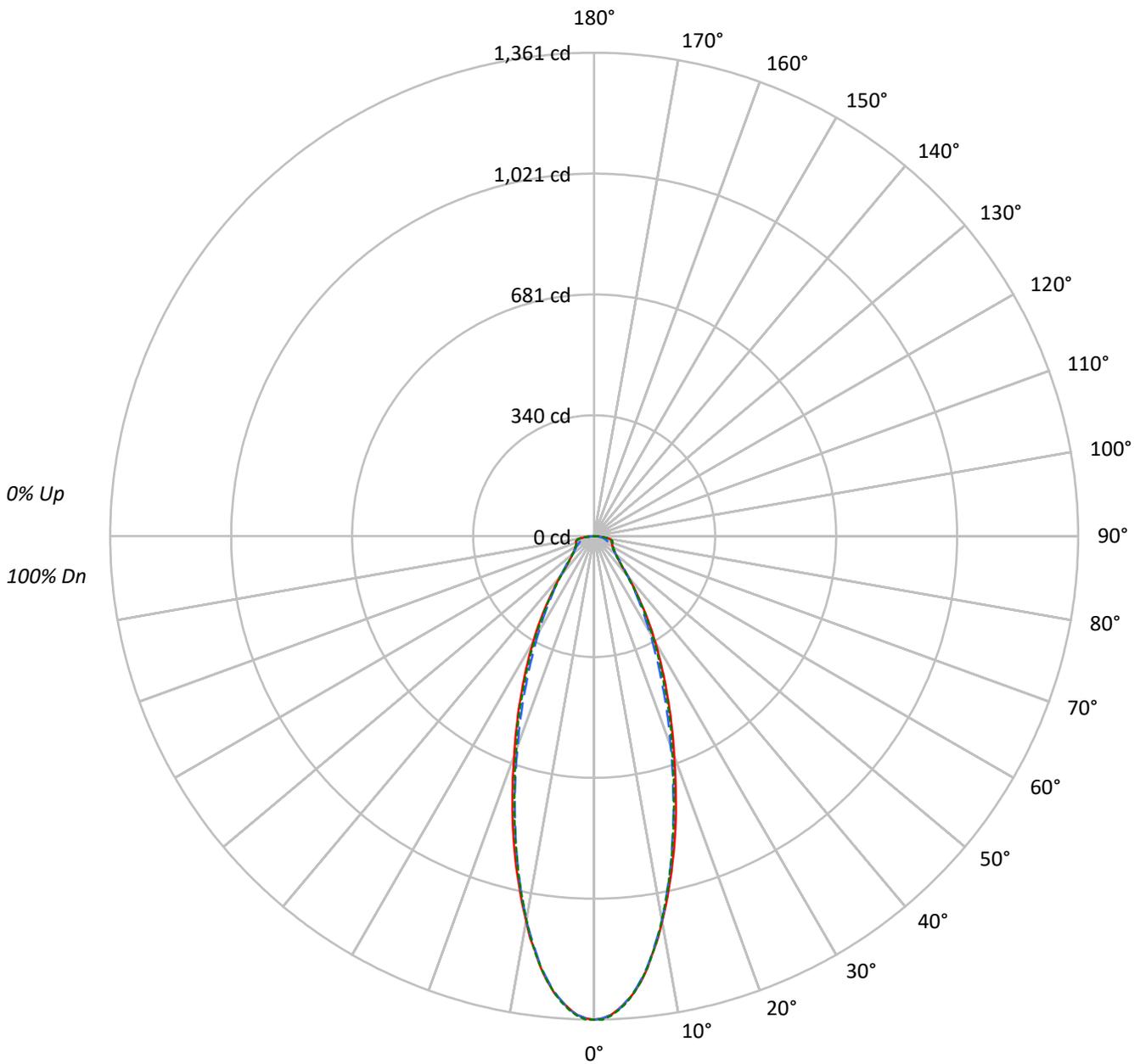
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 960.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	234447	234447	234447
5°	223068	222497	223068
10°	192577	191983	191685
15°	156296	152677	153283
20°	120412	115152	117315
25°	91460	84733	88894
30°	67853	61807	65825
35°	47936	44740	47221
40°	33026	33026	32284
45°	24259	25501	24259
50°	21274	21274	21274
55°	20298	19787	20298
60°	20942	19186	20942
65°	22699	19275	22699
70°	27191	19538	27191
75°	34868	21360	34868
80°	43540	21819	41854
85°	33395	19958	36754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 43540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	12.2
10°-20°	238.4	24.8
20°-30°	212.9	22.2
30°-40°	139.7	14.6
40°-50°	81.2	8.5
50°-60°	60.3	6.3
60°-70°	50.9	5.3
70°-80°	42.1	4.4
80°-90°	17.5	1.8
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°	568.2	59.2
0°-40°	707.9	73.7
0°-60°	849.4	88.5
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1290	1289	1287	1289	1290	117
15°	877	868	856	858	860	242
25°	481	468	446	458	468	222
35°	228	221	213	220	225	145
45°	100	101	105	101	100	80
55°	68	66	66	66	68	61
65°	56	51	47	51	56	56
75°	52	39	32	39	52	54
85°	17	19	10	19	19	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1361.3	1361.3	1361.3	1361.3	1361.3
1°	1357.9	1359.6	1357.9	1359.6	1361.3
2°	1349.5	1351.1	1349.5	1349.5	1351.1
3°	1332.6	1334.3	1334.3	1334.3	1335.9
4°	1312.3	1314.0	1312.3	1314.0	1315.7
5°	1290.3	1288.7	1287.0	1288.7	1290.3
6°	1259.9	1258.2	1256.6	1258.2	1259.9
7°	1226.2	1224.5	1222.8	1222.8	1224.5
8°	1183.9	1185.6	1180.6	1183.9	1185.6
9°	1146.8	1143.4	1140.0	1140.0	1143.4
10°	1101.2	1097.8	1097.8	1096.1	1096.1
12.5°	989.7	983.0	977.9	977.9	979.6
15°	876.6	868.1	856.3	858.0	859.7
17.5°	763.4	753.3	738.1	741.4	744.8
20°	657.0	646.9	628.3	635.0	640.1
22.5°	565.8	550.6	533.7	538.8	555.7
25°	481.3	467.8	445.9	457.7	467.8
27.5°	407.0	391.8	373.3	385.1	395.2
30°	341.2	327.7	310.8	320.9	331.0
32.5°	282.1	270.2	258.4	265.2	273.6
35°	228.0	221.2	212.8	219.6	224.6
37.5°	184.1	180.7	177.3	180.7	179.0
40°	146.9	148.6	146.9	146.9	143.6
42.5°	116.5	121.6	123.3	119.9	116.5
45°	99.6	101.3	104.7	101.3	99.6
47.5°	87.8	87.8	89.5	87.8	86.1
50°	79.4	79.4	79.4	79.4	79.4
52.5°	72.6	72.6	70.9	72.6	72.6
55°	67.6	65.9	65.9	65.9	67.6
57.5°	64.2	62.5	60.8	62.5	64.2
60°	60.8	57.4	55.7	57.4	60.8
62.5°	57.4	54.0	52.4	54.0	57.4
65°	55.7	50.7	47.3	50.7	55.7
67.5°	54.0	47.3	43.9	47.3	55.7
70°	54.0	43.9	38.8	45.6	54.0
72.5°	52.4	42.2	35.5	42.2	52.4
75°	52.4	38.8	32.1	38.8	52.4
77.5°	49.0	35.5	27.0	35.5	49.0
80°	43.9	32.1	22.0	32.1	42.2
82.5°	32.1	27.0	16.9	27.0	32.1
85°	16.9	18.6	10.1	18.6	18.6
87.5°	1.7	6.8	3.4	10.1	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)