

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: P1316870

Luminaire Tested: LDSQA3D20R209740D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316870
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: LDSQA3D20R209740D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

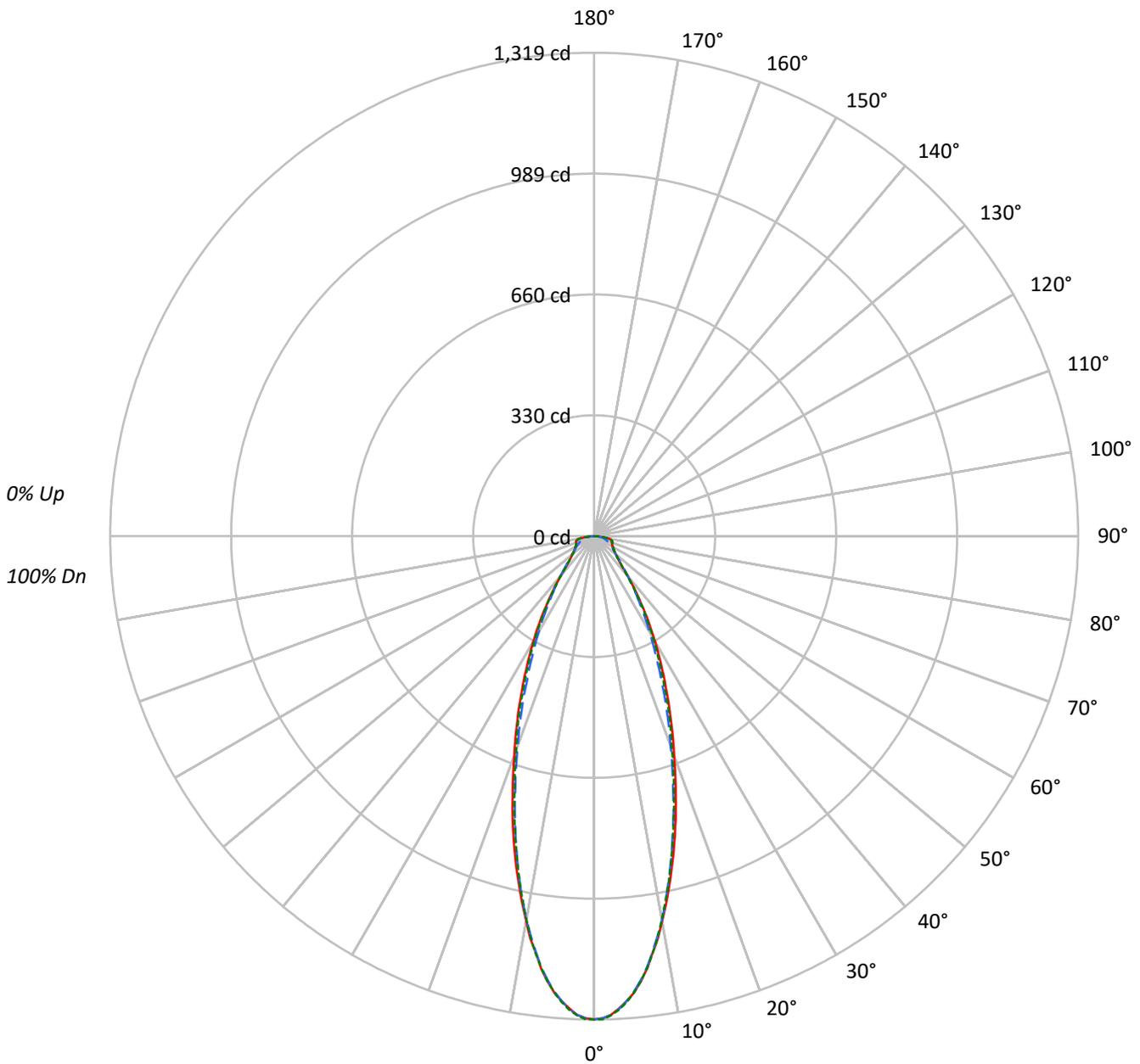
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 930.0 lumens
Efficiency: N/A
Efficacy: 32.3 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 (A_{in}): 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				
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	57	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°	227110	227110	227110
5°	216101	215530	216101
10°	186561	185984	185704
15°	151411	147898	148487
20°	116655	111541	113649
25°	88609	82073	86120
30°	65725	59878	63776
35°	46443	43353	45749
40°	31992	31992	31273
45°	23504	24697	23504
50°	20604	20604	20604
55°	19637	19157	19637
60°	20288	18600	20288
65°	22006	18664	22006
70°	26386	18933	26386
75°	33737	20694	33737
80°	42151	21125	40564
85°	32407	19365	35569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 42151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	12.2
10°-20°	231.0	24.8
20°-30°	206.3	22.2
30°-40°	135.3	14.6
40°-50°	78.7	8.5
50°-60°	58.4	6.3
60°-70°	49.4	5.3
70°-80°	40.8	4.4
80°-90°	17.0	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°	550.4	59.2
0°-40°	685.8	73.7
0°-60°	822.9	88.5
0°-90°	930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1319	1319	1319	1319	1319	
5°	1250	1248	1247	1248	1250	113
15°	849	841	830	831	833	235
25°	466	453	432	443	453	215
35°	221	214	206	213	218	140
45°	96	98	101	98	96	78
55°	65	64	64	64	65	59
65°	54	49	46	49	54	54
75°	51	38	31	38	51	52
85°	16	18	10	18	18	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.7	1318.7	1318.7	1318.7	1318.7
1°	1315.5	1317.1	1315.5	1317.1	1318.7
2°	1307.3	1308.9	1307.3	1307.3	1308.9
3°	1290.9	1292.6	1292.6	1292.6	1294.2
4°	1271.3	1272.9	1271.3	1272.9	1274.6
5°	1250.0	1248.4	1246.7	1248.4	1250.0
6°	1220.6	1218.9	1217.3	1218.9	1220.6
7°	1187.8	1186.2	1184.6	1184.6	1186.2
8°	1146.9	1148.6	1143.7	1146.9	1148.6
9°	1110.9	1107.7	1104.4	1104.4	1107.7
10°	1066.8	1063.5	1063.5	1061.9	1061.9
12.5°	958.8	952.2	947.3	947.3	949.0
15°	849.2	841.0	829.5	831.2	832.8
17.5°	739.5	729.7	715.0	718.3	721.5
20°	636.5	626.6	608.6	615.2	620.1
22.5°	548.1	533.4	517.0	521.9	538.3
25°	466.3	453.2	431.9	443.4	453.2
27.5°	394.3	379.6	361.6	373.0	382.9
30°	330.5	317.4	301.1	310.9	320.7
32.5°	273.2	261.8	250.3	256.9	265.1
35°	220.9	214.3	206.2	212.7	217.6
37.5°	178.3	175.1	171.8	175.1	173.4
40°	142.3	144.0	142.3	142.3	139.1
42.5°	112.9	117.8	119.4	116.2	112.9
45°	96.5	98.2	101.4	98.2	96.5
47.5°	85.1	85.1	86.7	85.1	83.4
50°	76.9	76.9	76.9	76.9	76.9
52.5°	70.4	70.4	68.7	70.4	70.4
55°	65.4	63.8	63.8	63.8	65.4
57.5°	62.2	60.5	58.9	60.5	62.2
60°	58.9	55.6	54.0	55.6	58.9
62.5°	55.6	52.4	50.7	52.4	55.6
65°	54.0	49.1	45.8	49.1	54.0
67.5°	52.4	45.8	42.5	45.8	54.0
70°	52.4	42.5	37.6	44.2	52.4
72.5°	50.7	40.9	34.4	40.9	50.7
75°	50.7	37.6	31.1	37.6	50.7
77.5°	47.4	34.4	26.2	34.4	47.4
80°	42.5	31.1	21.3	31.1	40.9
82.5°	31.1	26.2	16.4	26.2	31.1
85°	16.4	18.0	9.8	18.0	18.0
87.5°	1.6	6.5	3.3	9.8	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)