

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: P1320374

Luminaire Tested: LDSQA3D20R209840D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320374  
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: LDSQA3D20R209840D010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

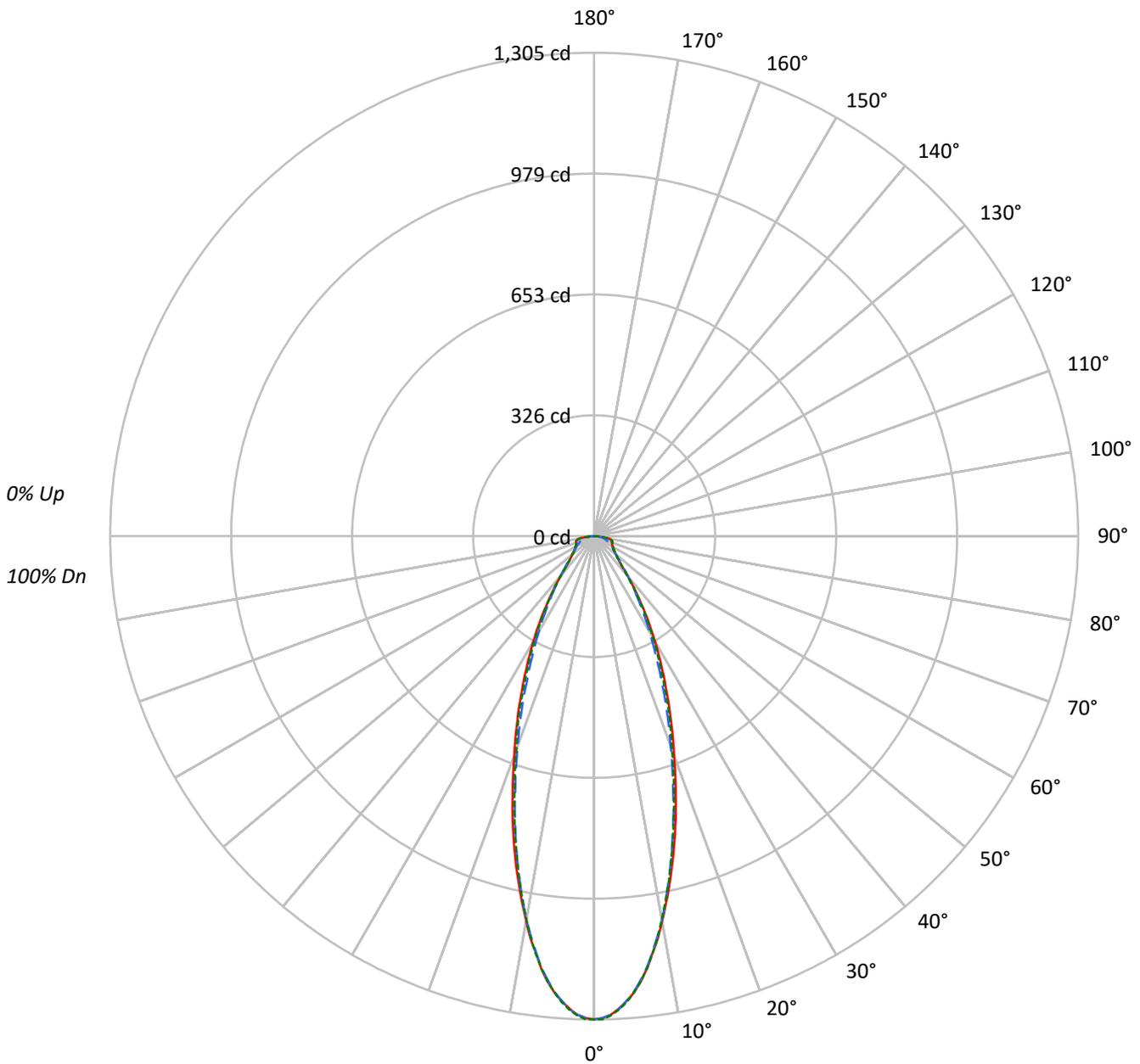
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 920.0 lumens  
Efficiency: N/A  
Efficacy: 33.6 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): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	224682	224682	224682
5°	213784	213214	213784
10°	184550	183991	183693
15°	149770	146311	146882
20°	115390	110350	112421
25°	87659	81198	85189
30°	65009	59222	63080
35°	45939	42869	45266
40°	31655	31655	30935
45°	23260	24453	23260
50°	20390	20390	20390
55°	19427	18946	19427
60°	20081	18393	20081
65°	21761	18460	21761
70°	26084	18732	26084
75°	33404	20495	33404
80°	41754	20828	40168
85°	32012	19168	35173

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 41754 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	12.2
10°-20°	228.5	24.8
20°-30°	204.0	22.2
30°-40°	133.9	14.6
40°-50°	77.9	8.5
50°-60°	57.8	6.3
60°-70°	48.8	5.3
70°-80°	40.3	4.4
80°-90°	16.8	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°	544.5	59.2
0°-40°	678.4	73.7
0°-60°	814.0	88.5
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1305	1305	1305	1305	1305	
5°	1237	1235	1233	1235	1237	112
15°	840	832	821	822	824	232
25°	461	448	427	439	448	212
35°	218	212	204	210	215	139
45°	96	97	100	97	96	77
55°	65	63	63	63	65	59
65°	53	49	45	49	53	53
75°	50	37	31	37	50	51
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°	1304.6	1304.6	1304.6	1304.6	1304.6
1°	1301.3	1302.9	1301.3	1302.9	1304.6
2°	1293.2	1294.8	1293.2	1293.2	1294.8
3°	1277.0	1278.7	1278.7	1278.7	1280.3
4°	1257.6	1259.2	1257.6	1259.2	1260.9
5°	1236.6	1235.0	1233.3	1235.0	1236.6
6°	1207.4	1205.8	1204.2	1205.8	1207.4
7°	1175.1	1173.5	1171.8	1171.8	1173.5
8°	1134.6	1136.2	1131.4	1134.6	1136.2
9°	1099.0	1095.8	1092.5	1092.5	1095.8
10°	1055.3	1052.1	1052.1	1050.4	1050.4
12.5°	948.5	942.0	937.1	937.1	938.8
15°	840.0	831.9	820.6	822.2	823.8
17.5°	731.6	721.9	707.3	710.5	713.8
20°	629.6	619.9	602.1	608.6	613.4
22.5°	542.2	527.6	511.5	516.3	532.5
25°	461.3	448.3	427.3	438.6	448.3
27.5°	390.1	375.5	357.7	369.0	378.7
30°	326.9	314.0	297.8	307.5	317.2
32.5°	270.3	259.0	247.6	254.1	262.2
35°	218.5	212.0	203.9	210.4	215.3
37.5°	176.4	173.2	169.9	173.2	171.6
40°	140.8	142.4	140.8	140.8	137.6
42.5°	111.7	116.5	118.2	114.9	111.7
45°	95.5	97.1	100.4	97.1	95.5
47.5°	84.2	84.2	85.8	84.2	82.5
50°	76.1	76.1	76.1	76.1	76.1
52.5°	69.6	69.6	68.0	69.6	69.6
55°	64.7	63.1	63.1	63.1	64.7
57.5°	61.5	59.9	58.3	59.9	61.5
60°	58.3	55.0	53.4	55.0	58.3
62.5°	55.0	51.8	50.2	51.8	55.0
65°	53.4	48.6	45.3	48.6	53.4
67.5°	51.8	45.3	42.1	45.3	53.4
70°	51.8	42.1	37.2	43.7	51.8
72.5°	50.2	40.5	34.0	40.5	50.2
75°	50.2	37.2	30.8	37.2	50.2
77.5°	46.9	34.0	25.9	34.0	46.9
80°	42.1	30.8	21.0	30.8	40.5
82.5°	30.8	25.9	16.2	25.9	30.8
85°	16.2	17.8	9.7	17.8	17.8
87.5°	1.6	6.5	3.2	9.7	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)