

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: P1309377

Luminaire Tested: LDSQA3D17R209030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

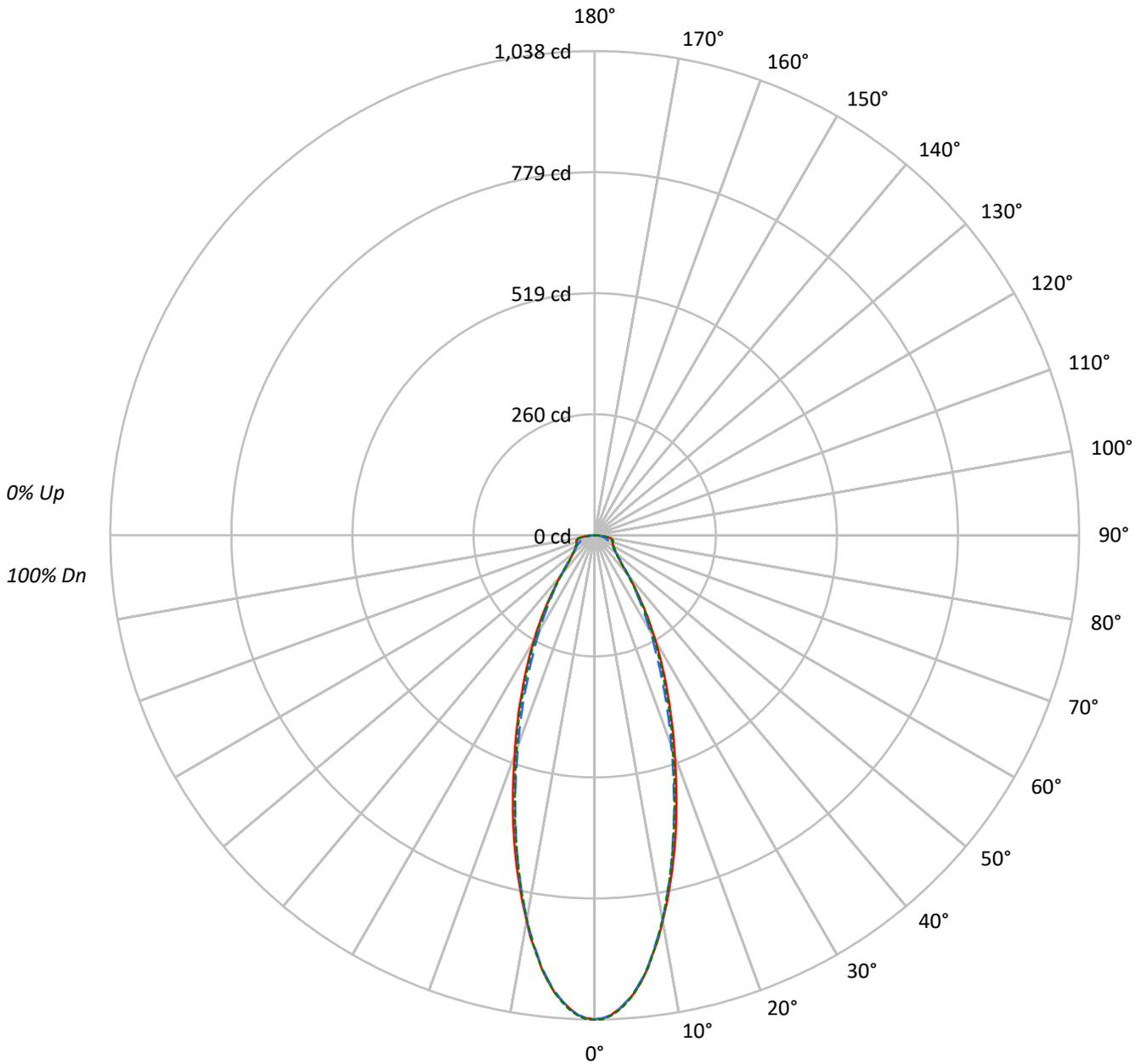
Test Method: LM-79-2019  
Report Number: P1309377  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209030DE010 3LSQPHRLP1MW  
Description: 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: 732.0 lumens  
Efficiency: N/A  
Efficacy: 34.5 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): 21.2  
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	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°	178767	178767	178767
5°	170097	169648	170097
10°	146829	146392	146164
15°	119174	116411	116874
20°	91821	87807	89457
25°	69740	64609	67783
30°	51725	47131	50194
35°	36562	34123	36015
40°	25180	25180	24618
45°	18511	19436	18511
50°	16210	16210	16210
55°	15463	15073	15463
60°	15982	14639	15982
65°	17319	14711	17319
70°	20746	14905	20746
75°	26550	16303	26550
80°	33225	16563	31936
85°	25491	15215	28060

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 33225 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	12.2
10°-20°	181.8	24.8
20°-30°	162.4	22.2
30°-40°	106.5	14.6
40°-50°	62.0	8.5
50°-60°	46.0	6.3
60°-70°	38.9	5.3
70°-80°	32.1	4.4
80°-90°	13.4	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°	433.2	59.2
0°-40°	539.8	73.7
0°-60°	647.7	88.5
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	984	983	981	983	984	89
15°	668	662	653	654	656	185
25°	367	357	340	349	357	169
35°	174	169	162	167	171	111
45°	76	77	80	77	76	61
55°	52	50	50	50	52	47
65°	42	39	36	39	42	42
75°	40	30	24	30	40	41
85°	13	14	8	14	14	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1038.0	1038.0	1038.0	1038.0	1038.0
1°	1035.4	1036.7	1035.4	1036.7	1038.0
2°	1029.0	1030.2	1029.0	1029.0	1030.2
3°	1016.1	1017.4	1017.4	1017.4	1018.7
4°	1000.6	1001.9	1000.6	1001.9	1003.2
5°	983.9	982.6	981.3	982.6	983.9
6°	960.7	959.4	958.1	959.4	960.7
7°	934.9	933.7	932.4	932.4	933.7
8°	902.8	904.0	900.2	902.8	904.0
9°	874.4	871.8	869.3	869.3	871.8
10°	839.6	837.1	837.1	835.8	835.8
12.5°	754.7	749.5	745.6	745.6	746.9
15°	668.4	661.9	652.9	654.2	655.5
17.5°	582.1	574.4	562.8	565.3	567.9
20°	501.0	493.2	479.1	484.2	488.1
22.5°	431.4	419.8	406.9	410.8	423.7
25°	367.0	356.7	340.0	349.0	356.7
27.5°	310.4	298.8	284.6	293.6	301.3
30°	260.1	249.8	237.0	244.7	252.4
32.5°	215.1	206.0	197.0	202.2	208.6
35°	173.9	168.7	162.3	167.4	171.3
37.5°	140.4	137.8	135.2	137.8	136.5
40°	112.0	113.3	112.0	112.0	109.5
42.5°	88.9	92.7	94.0	91.4	88.9
45°	76.0	77.3	79.8	77.3	76.0
47.5°	67.0	67.0	68.3	67.0	65.7
50°	60.5	60.5	60.5	60.5	60.5
52.5°	55.4	55.4	54.1	55.4	55.4
55°	51.5	50.2	50.2	50.2	51.5
57.5°	48.9	47.6	46.4	47.6	48.9
60°	46.4	43.8	42.5	43.8	46.4
62.5°	43.8	41.2	39.9	41.2	43.8
65°	42.5	38.6	36.1	38.6	42.5
67.5°	41.2	36.1	33.5	36.1	42.5
70°	41.2	33.5	29.6	34.8	41.2
72.5°	39.9	32.2	27.0	32.2	39.9
75°	39.9	29.6	24.5	29.6	39.9
77.5°	37.3	27.0	20.6	27.0	37.3
80°	33.5	24.5	16.7	24.5	32.2
82.5°	24.5	20.6	12.9	20.6	24.5
85°	12.9	14.2	7.7	14.2	14.2
87.5°	1.3	5.2	2.6	7.7	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)