

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: P1312724

Luminaire Tested: LDSQA3D17R309050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309050DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

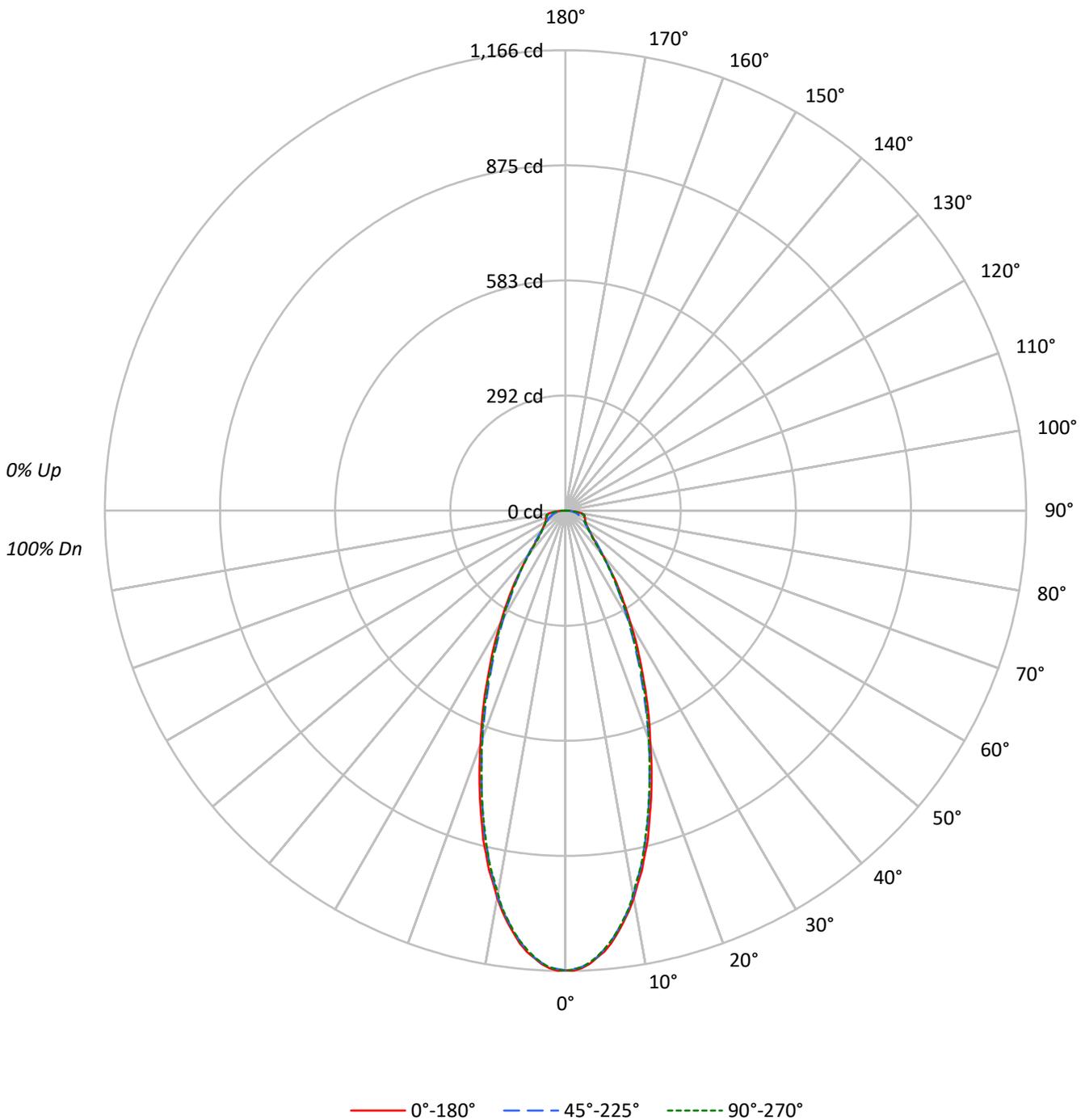
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 918.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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





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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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	200484	200484	200484
5°	193955	192987	192987
10°	174075	173096	172361
15°	145901	143637	143387
20°	115189	112861	112861
25°	88172	84695	86291
30°	65427	62066	63458
35°	47305	45224	45518
40°	32554	33184	31610
45°	24307	25330	23284
50°	21086	20711	20711
55°	19847	19007	19427
60°	20322	18876	19840
65°	22332	18909	21761
70°	26184	19135	25479
75°	33670	20561	32739
80°	41854	22315	39077
85°	33395	22132	30629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 41854 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	11.2
10°-20°	223.2	24.3
20°-30°	208.0	22.7
30°-40°	138.0	15.0
40°-50°	80.3	8.8
50°-60°	58.5	6.4
60°-70°	49.4	5.4
70°-80°	40.9	4.5
80°-90°	17.0	1.9
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°	533.8	58.2
0°-40°	671.8	73.2
0°-60°	810.6	88.3
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1122	1120	1116	1116	1116	103
15°	818	810	806	804	804	226
25°	464	456	446	447	454	214
35°	225	221	215	216	216	141
45°	100	101	104	98	96	80
55°	66	65	63	65	65	60
65°	55	49	46	49	53	55
75°	51	38	31	38	49	52
85°	17	20	11	18	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.1	1164.1	1164.1	1164.1	1164.1
1°	1165.5	1164.1	1161.3	1162.7	1162.7
2°	1159.9	1158.5	1157.1	1157.1	1157.1
3°	1150.1	1148.7	1147.2	1147.2	1147.2
4°	1136.0	1134.6	1134.6	1133.2	1133.2
5°	1121.9	1120.5	1116.3	1116.3	1116.3
6°	1102.3	1100.9	1098.0	1096.6	1096.6
7°	1078.4	1078.4	1074.1	1072.7	1074.1
8°	1053.1	1051.6	1048.8	1047.4	1047.4
9°	1026.3	1022.1	1022.1	1017.9	1020.7
10°	995.4	992.6	989.8	987.0	985.6
11°	960.3	958.9	954.6	951.8	950.4
12°	930.7	923.7	920.9	916.7	919.5
13°	892.8	888.6	881.5	880.1	881.5
14°	860.4	852.0	846.4	843.6	842.2
15°	818.3	809.8	805.6	804.2	804.2
17.5°	724.1	718.4	707.2	707.2	707.2
20°	628.5	622.8	615.8	614.4	615.8
22.5°	545.5	535.7	524.4	525.8	534.3
25°	464.0	455.5	445.7	447.1	454.1
27.5°	395.1	383.8	374.0	376.8	381.0
30°	329.0	322.0	312.1	314.9	319.1
32.5°	272.8	268.5	257.3	260.1	264.3
35°	225.0	220.7	215.1	216.5	216.5
37.5°	180.0	180.0	178.6	177.1	175.7
40°	144.8	147.6	147.6	143.4	140.6
42.5°	118.1	120.9	123.7	118.1	113.9
45°	99.8	101.2	104.0	98.4	95.6
47.5°	87.2	87.2	90.0	85.8	84.4
50°	78.7	78.7	77.3	75.9	77.3
52.5°	71.7	70.3	68.9	70.3	70.3
55°	66.1	64.7	63.3	64.7	64.7
57.5°	61.9	60.5	59.0	59.0	60.5
60°	59.0	56.2	54.8	56.2	57.6
62.5°	56.2	52.0	50.6	52.0	54.8
65°	54.8	49.2	46.4	49.2	53.4
67.5°	53.4	46.4	42.2	46.4	52.0
70°	52.0	43.6	38.0	43.6	50.6
72.5°	50.6	40.8	35.1	40.8	50.6
75°	50.6	38.0	30.9	38.0	49.2
77.5°	47.8	35.1	26.7	35.1	46.4
80°	42.2	32.3	22.5	30.9	39.4
82.5°	30.9	28.1	16.9	26.7	29.5
85°	16.9	19.7	11.2	18.3	15.5
87.5°	2.8	4.2	2.8	8.4	5.6



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)