

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: P1312869

Luminaire Tested: LDSQA3D20R309050D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309050D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

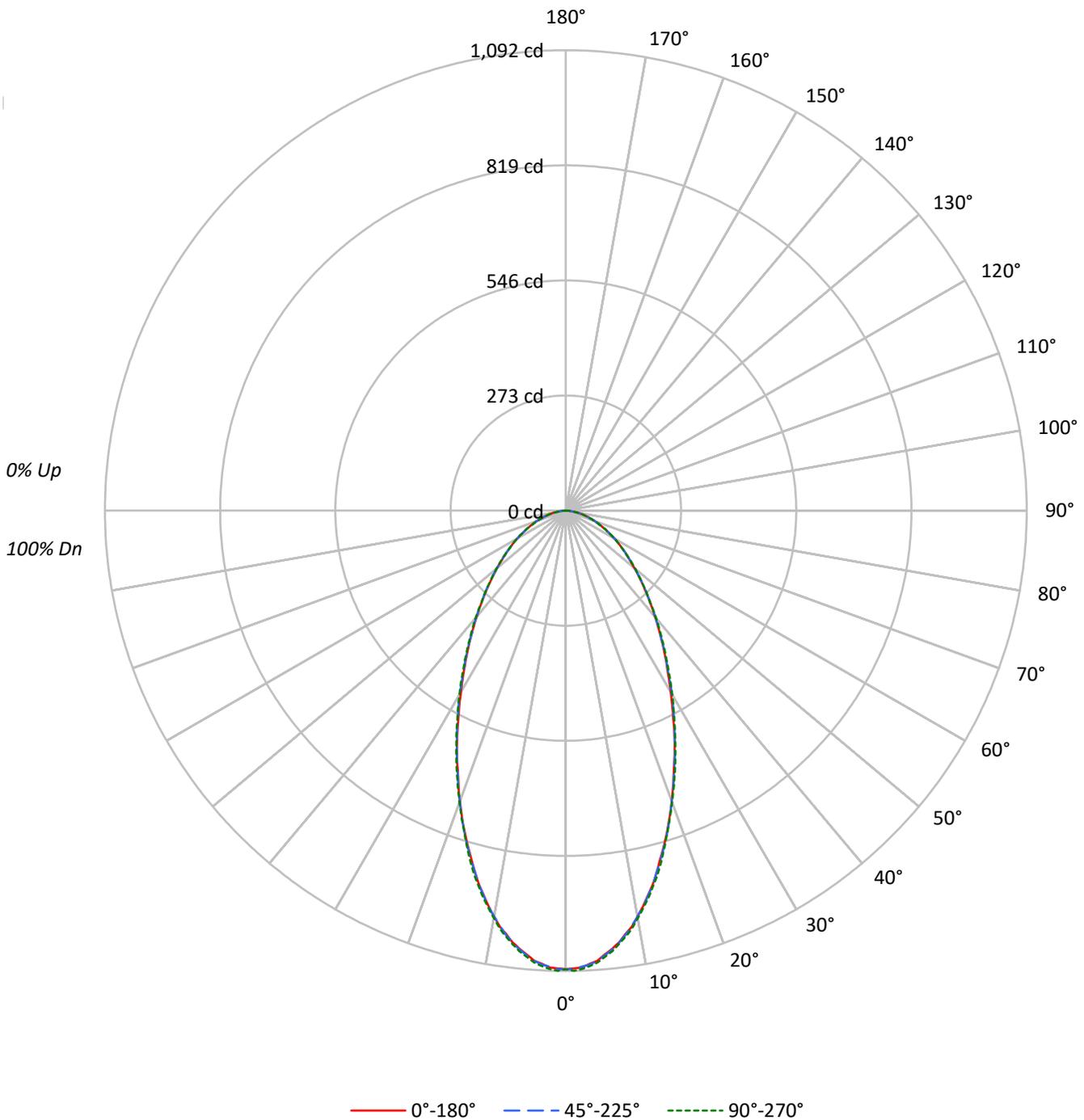
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187378	187378	187378
5°	182735	183080	183737
10°	170997	170997	171679
15°	153318	153675	154709
20°	134579	134579	134946
25°	116030	116030	116771
30°	98757	99910	100308
35°	85317	85717	86137
40°	73854	74281	74730
45°	64470	64957	64957
50°	56962	56962	57471
55°	51074	51074	51074
60°	45915	45915	45915
65°	40955	40955	40955
70°	36960	36960	36960
75°	33404	32140	32140
80°	28762	26878	26878
85°	19168	19168	19168

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 64957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	7.1
10°-20°	240.2	17.2
20°-30°	280.6	20.1
30°-40°	255.3	18.3
40°-50°	206.2	14.8
50°-60°	152.3	10.9
60°-70°	100.3	7.2
70°-80°	51.8	3.7
80°-90°	11.8	0.8
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°	619.3	44.3
0°-40°	874.6	62.6
0°-60°	1233.1	88.3
0°-90°	1397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1057	1057	1059	1059	1063	98
15°	860	862	862	862	868	240
25°	611	609	611	611	614	280
35°	406	404	408	408	410	254
45°	265	267	267	267	267	206
55°	170	168	170	168	170	153
65°	100	100	100	100	100	101
75°	50	48	48	48	48	53
85°	10	10	10	10	10	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.0	1088.0	1088.0	1088.0	1088.0
1°	1086.0	1086.0	1088.0	1086.0	1091.8
2°	1084.1	1082.2	1082.2	1082.2	1088.0
3°	1076.4	1076.4	1078.3	1076.4	1082.2
4°	1070.6	1068.6	1070.6	1068.6	1074.4
5°	1057.0	1057.0	1059.0	1059.0	1062.8
6°	1045.4	1045.4	1047.4	1045.4	1051.2
7°	1031.9	1031.9	1031.9	1031.9	1035.8
8°	1014.5	1014.5	1016.5	1016.5	1020.3
9°	999.1	997.1	997.1	997.1	1002.9
10°	977.8	977.8	977.8	977.8	981.7
11°	956.6	956.6	956.6	956.6	960.4
12°	933.4	933.4	935.3	933.4	939.2
13°	912.1	912.1	912.1	912.1	916.0
14°	887.0	885.1	887.0	887.0	892.8
15°	859.9	861.9	861.9	861.9	867.7
17.5°	798.1	798.1	800.0	796.2	800.0
20°	734.3	732.4	734.3	734.3	736.3
22.5°	668.6	670.6	670.6	670.6	674.4
25°	610.6	608.7	610.6	610.6	614.5
27.5°	550.7	552.7	554.6	552.7	556.5
30°	496.6	500.5	502.4	498.6	504.4
32.5°	448.3	448.3	450.3	452.2	454.1
35°	405.8	403.9	407.7	407.7	409.7
37.5°	365.2	365.2	365.2	367.2	369.1
40°	328.5	328.5	330.4	330.4	332.4
42.5°	295.7	293.7	295.7	295.7	295.7
45°	264.7	266.7	266.7	266.7	266.7
47.5°	237.7	237.7	239.6	237.7	239.6
50°	212.6	212.6	212.6	212.6	214.5
52.5°	189.4	189.4	189.4	189.4	191.3
55°	170.1	168.1	170.1	168.1	170.1
57.5°	150.7	150.7	150.7	150.7	150.7
60°	133.3	131.4	133.3	131.4	133.3
62.5°	115.9	115.9	115.9	115.9	115.9
65°	100.5	100.5	100.5	100.5	100.5
67.5°	87.0	87.0	87.0	85.0	85.0
70°	73.4	73.4	73.4	73.4	73.4
72.5°	61.8	59.9	59.9	59.9	59.9
75°	50.2	48.3	48.3	48.3	48.3
77.5°	38.6	38.6	36.7	36.7	38.6
80°	29.0	27.1	27.1	27.1	27.1
82.5°	17.4	17.4	17.4	17.4	17.4
85°	9.7	9.7	9.7	9.7	9.7
87.5°	1.9	1.9	1.9	3.9	3.9



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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)