

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: P1311792

Luminaire Tested: LDSQA3D20R309040D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

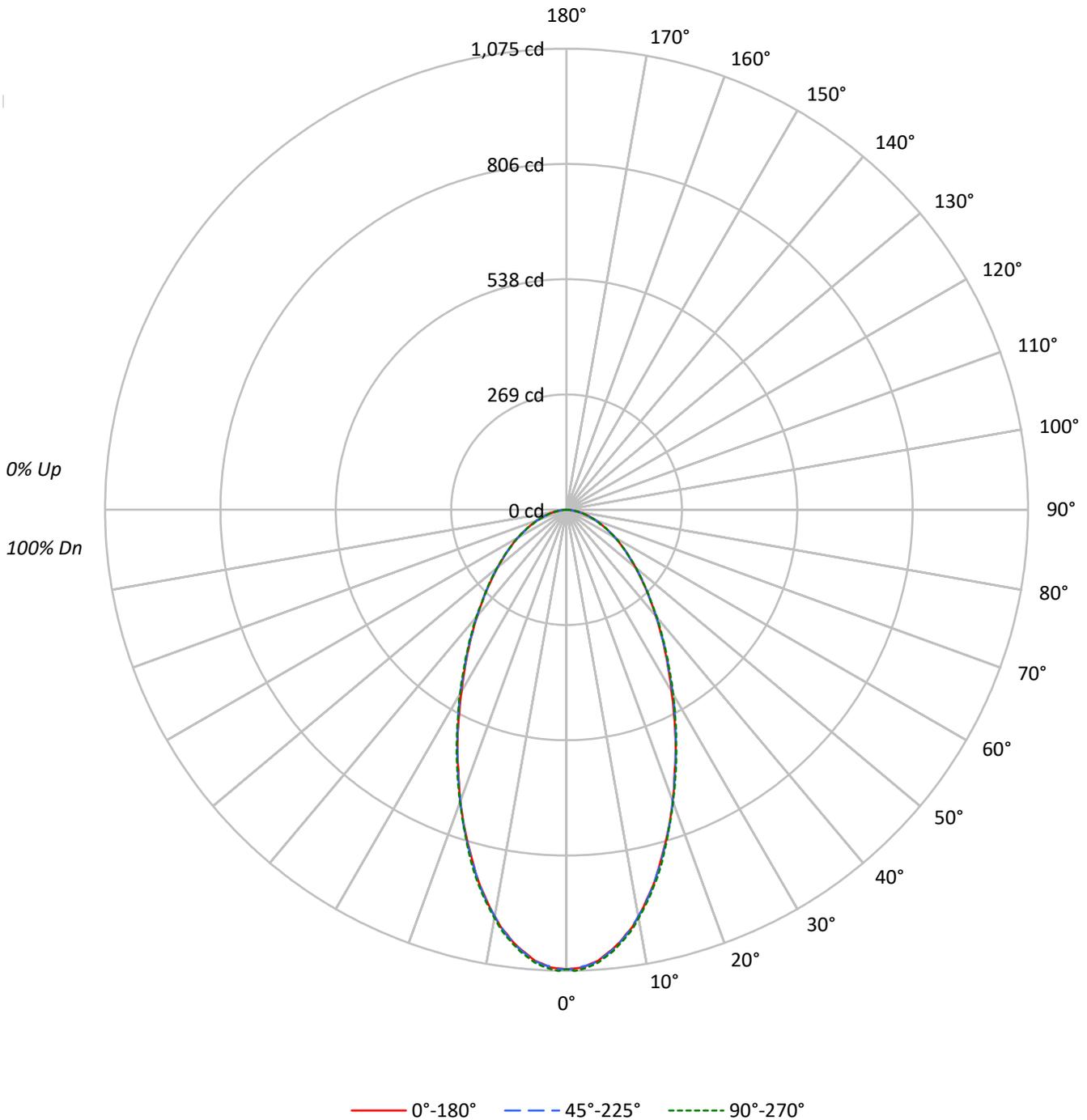
Test Method: LM-79-2019  
Report Number: P1311792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309040D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1376.0 lumens  
Efficiency: N/A  
Efficacy: 47.8 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	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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	184554	184554	184554
5°	180003	180332	180989
10°	168426	168426	169091
15°	151018	151357	152373
20°	132563	132563	132911
25°	114301	114301	115023
30°	97285	98419	98796
35°	84035	84434	84834
40°	72752	73179	73606
45°	63520	63983	63983
50°	56105	56105	56614
55°	50294	50294	50294
60°	45226	45226	45226
65°	40344	40344	40344
70°	36406	36406	36406
75°	32938	31674	31674
80°	28365	26382	26382
85°	18772	18772	18772

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 63983 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.0	7.1
10°-20°	236.6	17.2
20°-30°	276.4	20.1
30°-40°	251.4	18.3
40°-50°	203.1	14.8
50°-60°	150.0	10.9
60°-70°	98.8	7.2
70°-80°	51.1	3.7
80°-90°	11.6	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°	610.0	44.3
0°-40°	861.4	62.6
0°-60°	1214.6	88.3
0°-90°	1376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1376.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1041	1041	1043	1043	1047	97
15°	847	849	849	849	855	236
25°	602	600	602	602	605	276
35°	400	398	402	402	404	250
45°	261	263	263	263	263	203
55°	168	166	168	166	168	150
65°	99	99	99	99	99	99
75°	50	48	48	48	48	52
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°	1071.6	1071.6	1071.6	1071.6	1071.6
1°	1069.7	1069.7	1071.6	1069.7	1075.4
2°	1067.8	1065.9	1065.9	1065.9	1071.6
3°	1060.2	1060.2	1062.1	1060.2	1065.9
4°	1054.5	1052.6	1054.5	1052.6	1058.3
5°	1041.2	1041.2	1043.1	1043.1	1046.9
6°	1029.7	1029.7	1031.6	1029.7	1035.4
7°	1016.4	1016.4	1016.4	1016.4	1020.2
8°	999.3	999.3	1001.2	1001.2	1005.0
9°	984.0	982.1	982.1	982.1	987.9
10°	963.1	963.1	963.1	963.1	966.9
11°	942.2	942.2	942.2	942.2	946.0
12°	919.3	919.3	921.2	919.3	925.0
13°	898.4	898.4	898.4	898.4	902.2
14°	873.7	871.7	873.7	873.7	879.4
15°	847.0	848.9	848.9	848.9	854.6
17.5°	786.1	786.1	788.0	784.2	788.0
20°	723.3	721.4	723.3	723.3	725.2
22.5°	658.6	660.5	660.5	660.5	664.3
25°	601.5	599.6	601.5	601.5	605.3
27.5°	542.5	544.4	546.3	544.4	548.2
30°	489.2	493.0	494.9	491.1	496.8
32.5°	441.6	441.6	443.5	445.4	447.3
35°	399.7	397.8	401.6	401.6	403.5
37.5°	359.7	359.7	359.7	361.6	363.5
40°	323.6	323.6	325.5	325.5	327.4
42.5°	291.2	289.3	291.2	291.2	291.2
45°	260.8	262.7	262.7	262.7	262.7
47.5°	234.1	234.1	236.0	234.1	236.0
50°	209.4	209.4	209.4	209.4	211.3
52.5°	186.5	186.5	186.5	186.5	188.4
55°	167.5	165.6	167.5	165.6	167.5
57.5°	148.5	148.5	148.5	148.5	148.5
60°	131.3	129.4	131.3	129.4	131.3
62.5°	114.2	114.2	114.2	114.2	114.2
65°	99.0	99.0	99.0	99.0	99.0
67.5°	85.7	85.7	85.7	83.7	83.7
70°	72.3	72.3	72.3	72.3	72.3
72.5°	60.9	59.0	59.0	59.0	59.0
75°	49.5	47.6	47.6	47.6	47.6
77.5°	38.1	38.1	36.2	36.2	38.1
80°	28.6	26.6	26.6	26.6	26.6
82.5°	17.1	17.1	17.1	17.1	17.1
85°	9.5	9.5	9.5	9.5	9.5
87.5°	1.9	1.9	1.9	3.8	3.8



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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)