

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: P1320338

Luminaire Tested: LDSQA3D17R709840DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709840DE010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

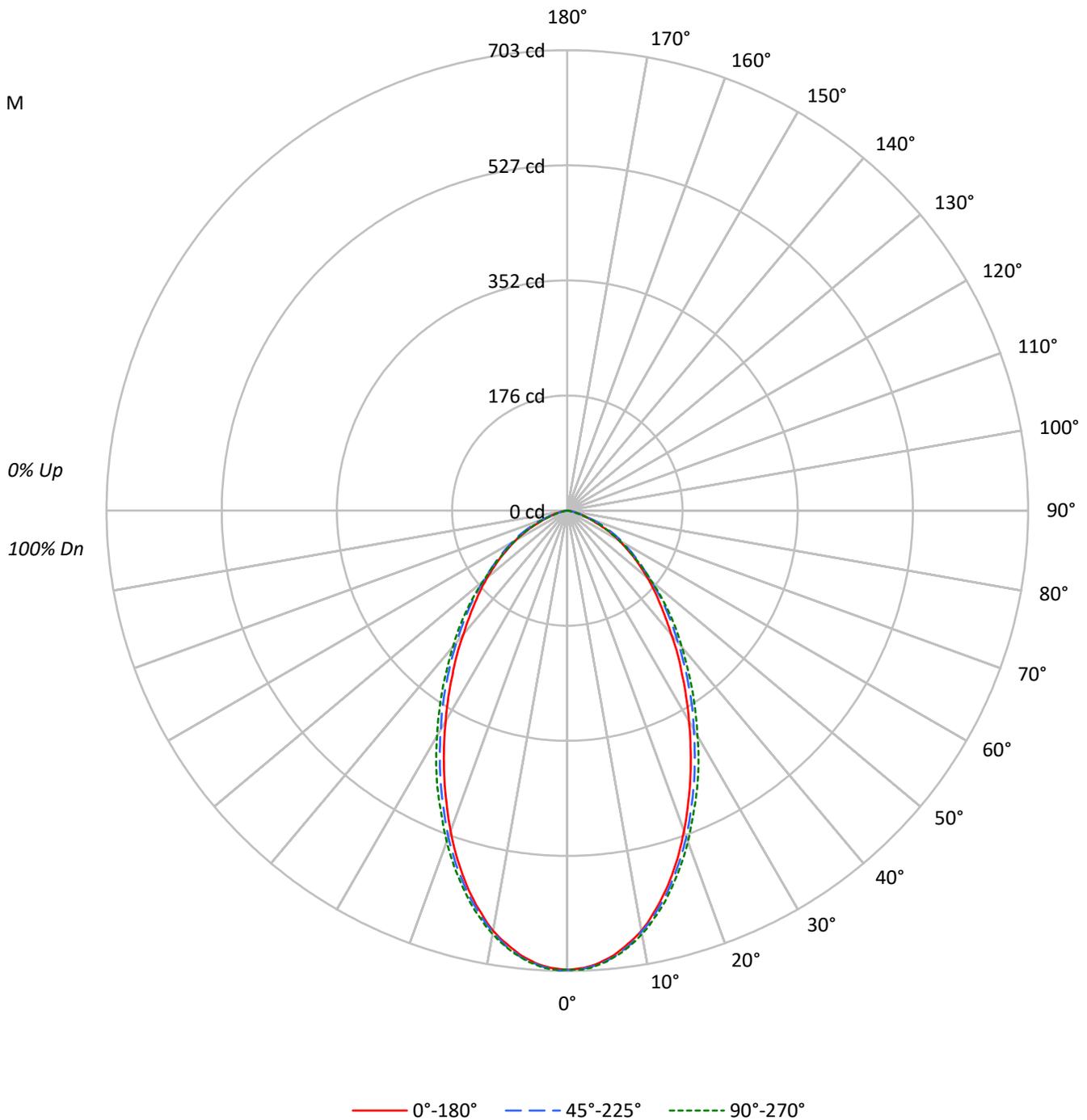
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1004.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120780	120780	120780
5°	118873	119305	119530
10°	113934	114144	114808
15°	105713	106604	107496
20°	95432	97264	98621
25°	84505	86880	89008
30°	73819	76802	79029
35°	64167	67573	69675
40°	55441	59083	61061
45°	48541	51878	53388
50°	42708	44718	44718
55°	37022	38914	37773
60°	31310	33480	31758
65°	24369	27915	25388
70°	17574	20696	17574
75°	13242	12443	9915
80°	8629	6149	2479
85°	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 53388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	6.4
10°-20°	166.9	16.6
20°-30°	209.5	20.9
30°-40°	200.1	19.9
40°-50°	162.7	16.2
50°-60°	113.9	11.3
60°-70°	64.3	6.4
70°-80°	20.4	2.0
80°-90°	1.6	0.2
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°	441.1	43.9
0°-40°	641.2	63.9
0°-60°	917.7	91.4
0°-90°	1004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	701	701	701	701	701	
5°	688	689	690	689	691	64
15°	593	594	598	599	603	165
25°	445	450	457	465	468	204
35°	305	310	321	328	331	191
45°	199	204	213	217	219	155
55°	123	125	130	127	126	110
65°	60	64	68	65	62	60
75°	20	20	19	16	15	21
85°	1	1	0	0	0	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	701.3	701.3	701.3	701.3	701.3
1°	700.1	701.3	702.6	700.1	701.3
2°	698.8	700.1	700.1	698.8	701.3
3°	696.3	697.6	697.6	696.3	698.8
4°	692.6	693.8	693.8	692.6	695.1
5°	687.6	688.9	690.1	688.9	691.4
6°	682.6	683.9	685.1	683.9	685.1
7°	675.2	677.7	677.7	677.7	680.1
8°	667.7	670.2	671.4	670.2	672.7
9°	660.2	661.5	662.7	662.7	665.2
10°	651.5	652.7	652.7	654.0	656.5
11°	641.5	641.5	644.0	644.0	647.8
12°	629.1	630.3	632.8	634.1	636.5
13°	617.9	619.1	621.6	622.8	626.6
14°	605.4	607.9	610.4	611.6	615.4
15°	592.9	594.2	597.9	599.2	602.9
17.5°	558.1	559.3	565.5	568.0	571.8
20°	520.7	524.4	530.7	534.4	538.1
22.5°	482.1	485.8	493.3	499.5	502.0
25°	444.7	449.7	457.2	464.6	468.4
27.5°	407.3	412.3	421.0	428.5	433.5
30°	371.2	376.2	386.2	392.4	397.4
32.5°	337.6	342.6	353.8	360.0	363.7
35°	305.2	310.2	321.4	327.6	331.4
37.5°	276.5	281.5	291.5	297.7	300.2
40°	246.6	252.9	262.8	269.1	271.6
42.5°	221.7	226.7	236.7	241.7	245.4
45°	199.3	204.3	213.0	216.7	219.2
47.5°	179.4	181.9	189.3	190.6	193.1
50°	159.4	161.9	166.9	168.2	166.9
52.5°	140.8	143.3	147.0	145.7	145.7
55°	123.3	124.6	129.6	127.1	125.8
57.5°	105.9	108.4	113.4	109.6	108.4
60°	90.9	93.4	97.2	94.7	92.2
62.5°	76.0	77.2	83.5	78.5	76.0
65°	59.8	63.5	68.5	64.8	62.3
67.5°	44.8	51.1	56.1	51.1	48.6
70°	34.9	37.4	41.1	38.6	34.9
72.5°	26.2	27.4	28.7	26.2	23.7
75°	19.9	19.9	18.7	16.2	14.9
77.5°	13.7	13.7	11.2	7.5	7.5
80°	8.7	8.7	6.2	2.5	2.5
82.5°	3.7	3.7	2.5	1.2	1.2
85°	1.2	1.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)