

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: P1320278

Luminaire Tested: LDSQA3D17R359840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

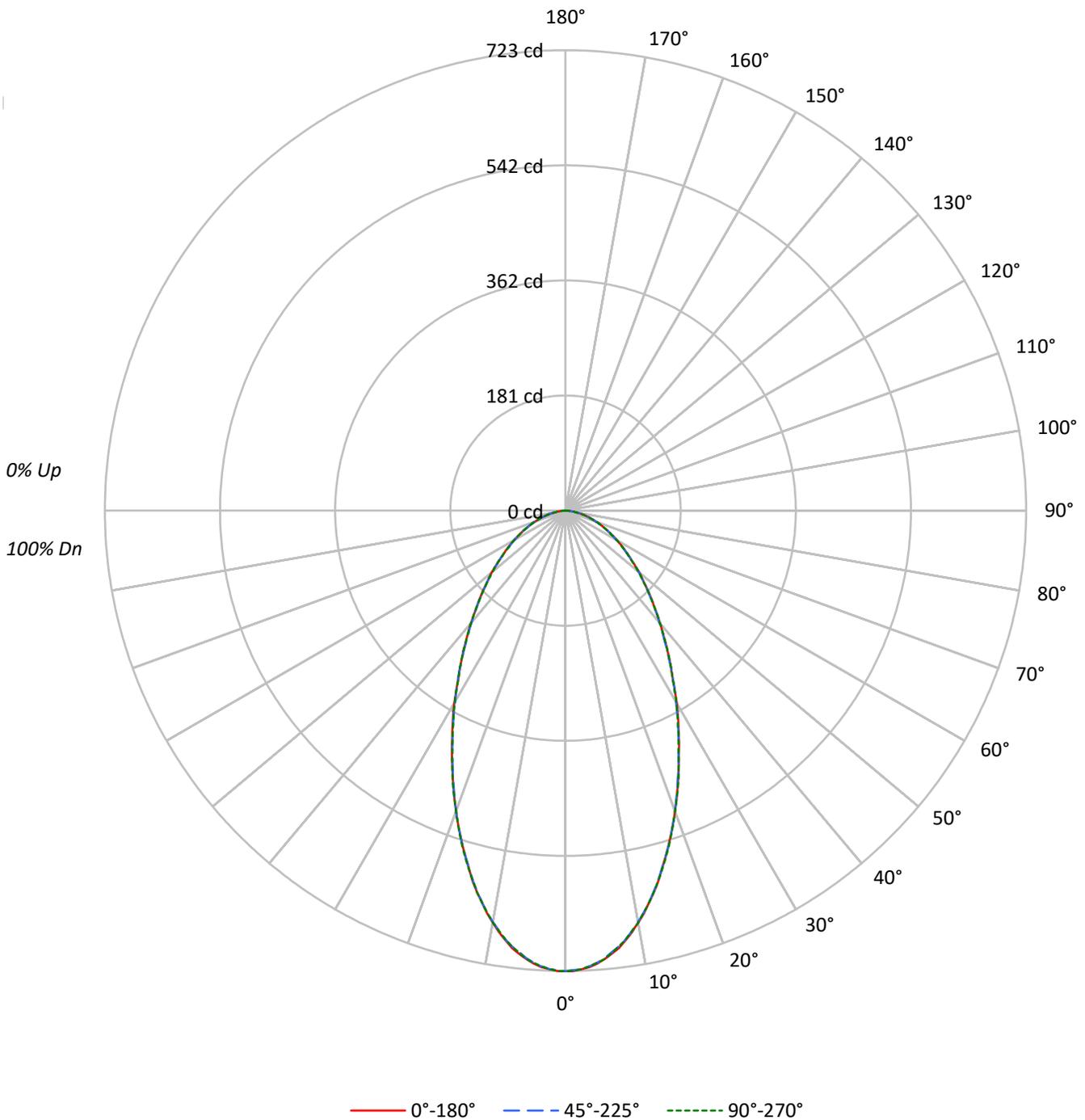
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 966.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77	77	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68	68	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41	41	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	124534	124534	124534
5°	122209	121984	122209
10°	114896	114686	114896
15°	104037	104037	104251
20°	92078	92078	92078
25°	80077	79830	79830
30°	69424	68927	69165
35°	59752	59499	59752
40°	51844	51574	51844
45°	45546	45253	45253
50°	40431	40082	40082
55°	35551	35551	35551
60°	32206	31792	32206
65°	28974	28974	28974
70°	25731	25731	25731
75°	23223	22425	23223
80°	19737	19737	19737
85°	12251	12251	12251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45546 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	6.8
10°-20°	162.8	16.8
20°-30°	193.4	20.0
30°-40°	177.7	18.4
40°-50°	144.3	14.9
50°-60°	106.8	11.1
60°-70°	70.6	7.3
70°-80°	36.6	3.8
80°-90°	8.2	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°	421.9	43.7
0°-40°	599.6	62.1
0°-60°	850.7	88.1
0°-90°	966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	707	706	706	706	707	66
15°	584	584	584	584	585	163
25°	421	420	420	421	420	194
35°	284	283	283	284	284	178
45°	187	186	186	186	186	145
55°	118	118	118	118	118	107
65°	71	71	71	71	71	71
75°	35	35	34	35	35	37
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	723.1	723.1	723.1	723.1	723.1
1°	723.1	721.8	721.8	721.8	723.1
2°	720.6	720.6	720.6	720.6	720.6
3°	718.1	716.9	716.9	716.9	716.9
4°	713.1	711.9	711.9	711.9	711.9
5°	706.9	705.6	705.6	705.6	706.9
6°	699.4	698.2	696.9	696.9	698.2
7°	691.9	689.4	689.4	689.4	689.4
8°	680.7	679.5	679.5	679.5	679.5
9°	669.5	667.0	668.2	668.2	668.2
10°	657.0	655.8	655.8	655.8	657.0
11°	644.5	643.3	643.3	642.1	643.3
12°	629.6	629.6	629.6	629.6	629.6
13°	615.9	614.6	614.6	614.6	615.9
14°	600.9	599.7	599.7	599.7	599.7
15°	583.5	583.5	583.5	583.5	584.7
17.5°	543.6	542.3	543.6	543.6	544.8
20°	502.4	501.2	502.4	502.4	502.4
22.5°	461.3	461.3	460.0	461.3	462.5
25°	421.4	420.1	420.1	421.4	420.1
27.5°	384.0	382.7	382.7	382.7	382.7
30°	349.1	346.6	346.6	347.8	347.8
32.5°	312.9	312.9	314.2	312.9	312.9
35°	284.2	283.0	283.0	284.2	284.2
37.5°	255.6	254.3	254.3	255.6	255.6
40°	230.6	230.6	229.4	230.6	230.6
42.5°	207.0	207.0	207.0	207.0	207.0
45°	187.0	185.8	185.8	185.8	185.8
47.5°	167.1	167.1	167.1	165.8	167.1
50°	150.9	149.6	149.6	149.6	149.6
52.5°	133.4	133.4	133.4	133.4	133.4
55°	118.4	118.4	118.4	118.4	118.4
57.5°	106.0	104.7	104.7	104.7	104.7
60°	93.5	93.5	92.3	93.5	93.5
62.5°	81.0	81.0	81.0	81.0	81.0
65°	71.1	71.1	71.1	71.1	71.1
67.5°	61.1	61.1	61.1	61.1	61.1
70°	51.1	51.1	51.1	51.1	51.1
72.5°	43.6	42.4	42.4	42.4	42.4
75°	34.9	34.9	33.7	34.9	34.9
77.5°	26.2	26.2	26.2	26.2	26.2
80°	19.9	19.9	19.9	18.7	19.9
82.5°	12.5	12.5	12.5	12.5	12.5
85°	6.2	6.2	6.2	6.2	6.2
87.5°	1.2	1.2	1.2	2.5	2.5



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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)