

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: P1316763

Luminaire Tested: LDSQA3D17R359740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316763
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: LDSQA3D17R359740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

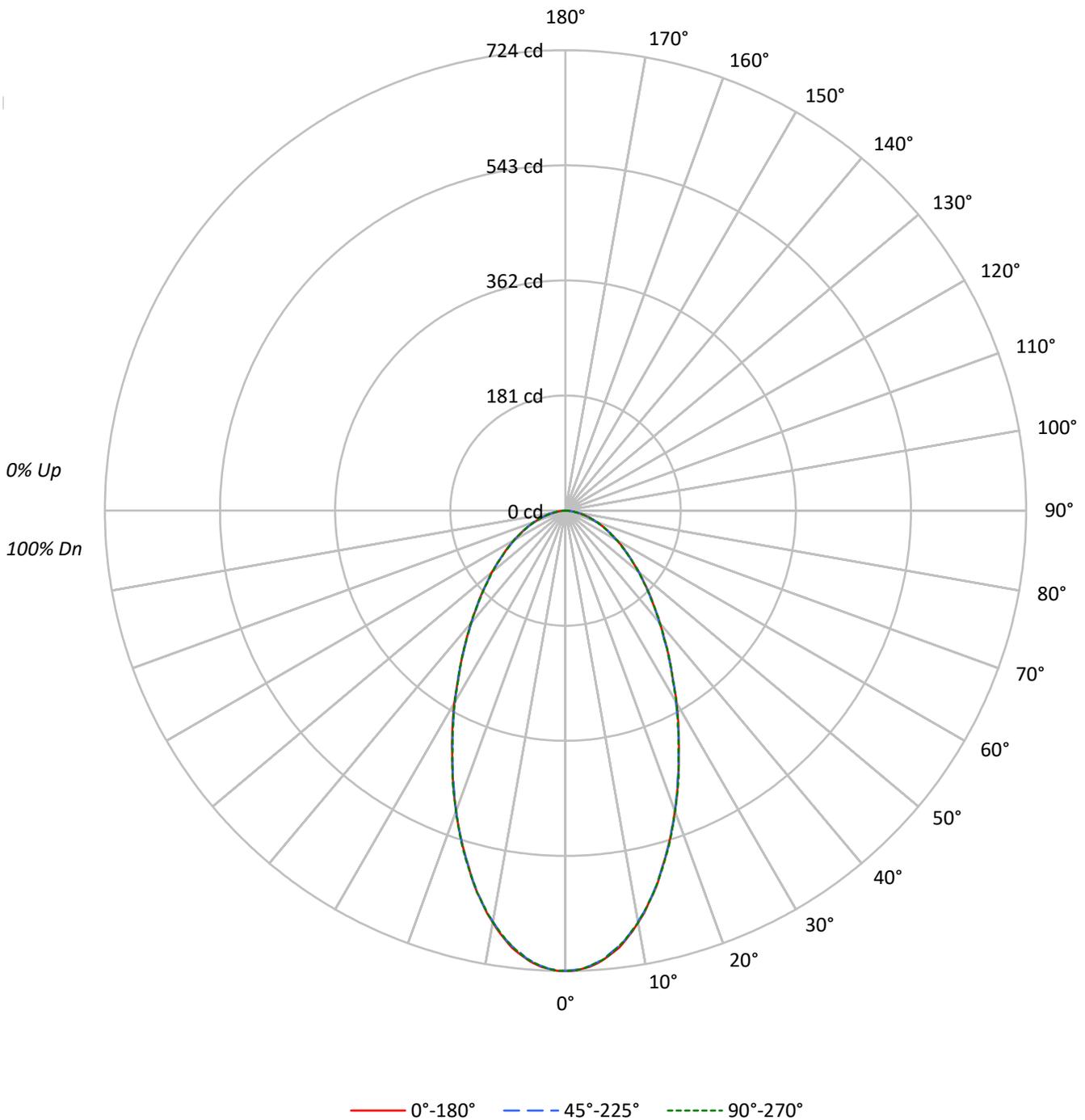
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 967.0 lumens
Efficiency: N/A
Efficacy: 45.6 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): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	124655	124655	124655
5°	122330	122123	122330
10°	115018	114791	115018
15°	104144	104144	104358
20°	92169	92169	92169
25°	80153	79925	79925
30°	69484	68986	69245
35°	59815	59562	59815
40°	51911	51619	51911
45°	45594	45302	45302
50°	40458	40136	40136
55°	35611	35611	35611
60°	32240	31827	32240
65°	28974	28974	28974
70°	25782	25782	25782
75°	23223	22425	23223
80°	19836	19836	19836
85°	12251	12251	12251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45594 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	6.8
10°-20°	162.9	16.8
20°-30°	193.6	20.0
30°-40°	177.9	18.4
40°-50°	144.5	14.9
50°-60°	106.9	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°	422.3	43.7
0°-40°	600.2	62.1
0°-60°	851.6	88.1
0°-90°	967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	708	706	706	706	708	66
15°	584	584	584	584	585	163
25°	422	421	421	422	421	194
35°	284	283	283	284	284	178
45°	187	186	186	186	186	145
55°	119	119	119	119	119	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°	723.8	723.8	723.8	723.8	723.8
1°	723.8	722.6	722.6	722.6	723.8
2°	721.3	721.3	721.3	721.3	721.3
3°	718.8	717.6	717.6	717.6	717.6
4°	713.9	712.6	712.6	712.6	712.6
5°	707.6	706.4	706.4	706.4	707.6
6°	700.1	698.9	697.6	697.6	698.9
7°	692.6	690.1	690.1	690.1	690.1
8°	681.4	680.2	680.2	680.2	680.2
9°	670.2	667.7	668.9	668.9	668.9
10°	657.7	656.4	656.4	656.4	657.7
11°	645.2	644.0	644.0	642.7	644.0
12°	630.2	630.2	630.2	630.2	630.2
13°	616.5	615.3	615.3	615.3	616.5
14°	601.5	600.3	600.3	600.3	600.3
15°	584.1	584.1	584.1	584.1	585.3
17.5°	544.1	542.9	544.1	544.1	545.4
20°	502.9	501.7	502.9	502.9	502.9
22.5°	461.8	461.8	460.5	461.8	463.0
25°	421.8	420.6	420.6	421.8	420.6
27.5°	384.4	383.1	383.1	383.1	383.1
30°	349.4	346.9	346.9	348.2	348.2
32.5°	313.2	313.2	314.5	313.2	313.2
35°	284.5	283.3	283.3	284.5	284.5
37.5°	255.8	254.6	254.6	255.8	255.8
40°	230.9	230.9	229.6	230.9	230.9
42.5°	207.2	207.2	207.2	207.2	207.2
45°	187.2	186.0	186.0	186.0	186.0
47.5°	167.2	167.2	167.2	166.0	167.2
50°	151.0	149.8	149.8	149.8	149.8
52.5°	133.5	133.5	133.5	133.5	133.5
55°	118.6	118.6	118.6	118.6	118.6
57.5°	106.1	104.8	104.8	104.8	104.8
60°	93.6	93.6	92.4	93.6	93.6
62.5°	81.1	81.1	81.1	81.1	81.1
65°	71.1	71.1	71.1	71.1	71.1
67.5°	61.2	61.2	61.2	61.2	61.2
70°	51.2	51.2	51.2	51.2	51.2
72.5°	43.7	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°	20.0	20.0	20.0	18.7	20.0
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)