

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: P1316600

Luminaire Tested: LDSQA3D13R309740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316600
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: LDSQA3D13R309740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

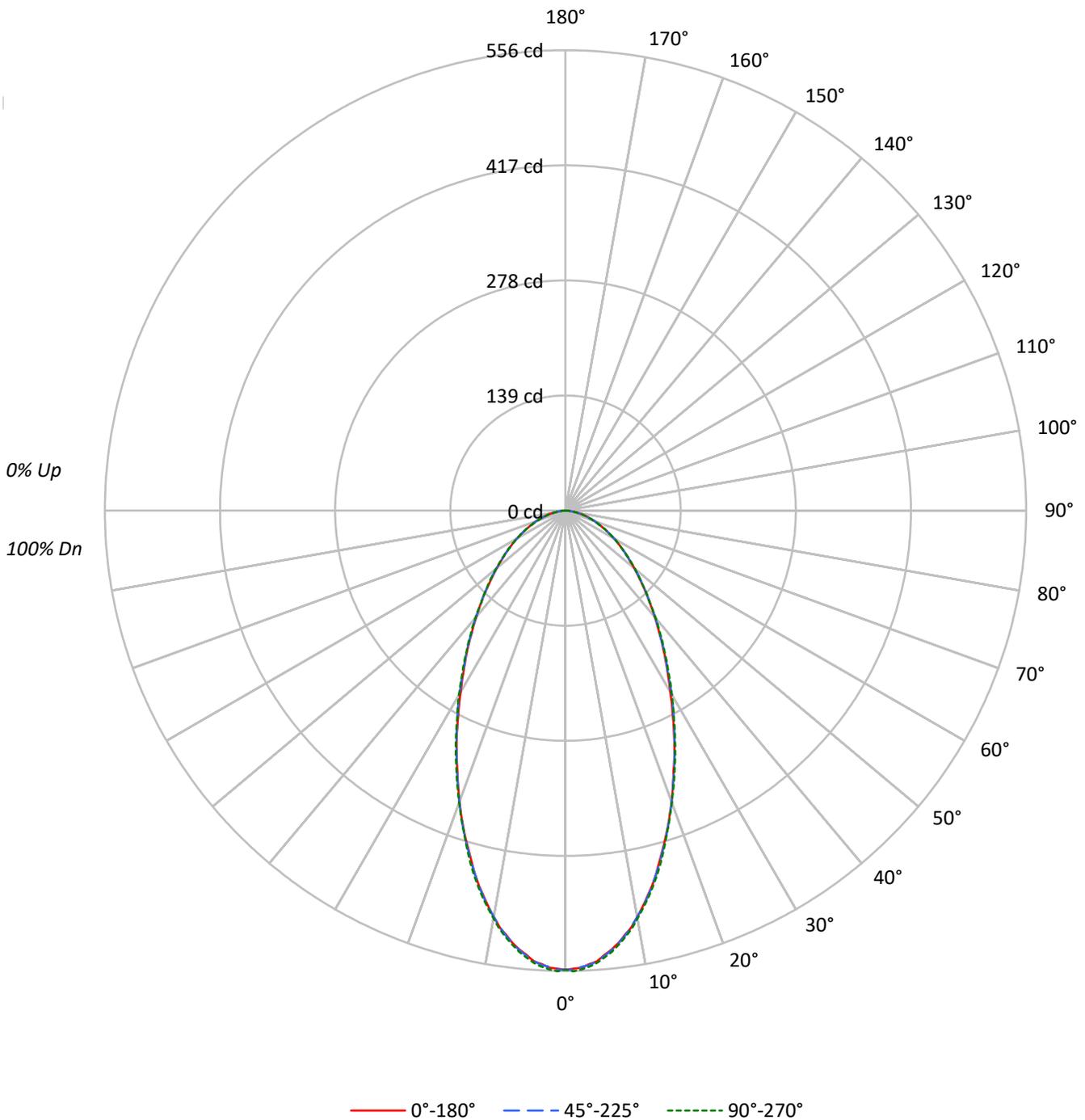
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 712.0 lumens
Efficiency: N/A
Efficacy: 48.8 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): 14.6
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°	95497	95497	95497
5°	93131	93304	93649
10°	87160	87160	87492
15°	78148	78326	78843
20°	68600	68600	68765
25°	59136	59136	59516
30°	50333	50929	51128
35°	43479	43689	43899
40°	37635	37860	38085
45°	32856	33100	33100
50°	29017	29017	29285
55°	26033	26033	26033
60°	23422	23422	23422
65°	20865	20865	20865
70°	18833	18833	18833
75°	17035	16369	16369
80°	14679	13687	13687
85°	9683	9683	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 33100 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	7.1
10°-20°	122.4	17.2
20°-30°	143.0	20.1
30°-40°	130.1	18.3
40°-50°	105.1	14.8
50°-60°	77.6	10.9
60°-70°	51.1	7.2
70°-80°	26.4	3.7
80°-90°	6.0	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°	315.6	44.3
0°-40°	445.7	62.6
0°-60°	628.4	88.3
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	554	554	554	554	554	
5°	539	539	540	540	542	50
15°	438	439	439	439	442	122
25°	311	310	311	311	313	143
35°	207	206	208	208	209	130
45°	135	136	136	136	136	105
55°	87	86	87	86	87	78
65°	51	51	51	51	51	51
75°	26	25	25	25	25	27
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	554.5	554.5	554.5	554.5	554.5
1°	553.5	553.5	554.5	553.5	556.5
2°	552.5	551.5	551.5	551.5	554.5
3°	548.6	548.6	549.6	548.6	551.5
4°	545.6	544.6	545.6	544.6	547.6
5°	538.7	538.7	539.7	539.7	541.7
6°	532.8	532.8	533.8	532.8	535.8
7°	525.9	525.9	525.9	525.9	527.9
8°	517.1	517.1	518.1	518.1	520.0
9°	509.2	508.2	508.2	508.2	511.2
10°	498.4	498.4	498.4	498.4	500.3
11°	487.5	487.5	487.5	487.5	489.5
12°	475.7	475.7	476.7	475.7	478.7
13°	464.9	464.9	464.9	464.9	466.8
14°	452.1	451.1	452.1	452.1	455.0
15°	438.3	439.3	439.3	439.3	442.2
17.5°	406.8	406.8	407.7	405.8	407.7
20°	374.3	373.3	374.3	374.3	375.2
22.5°	340.8	341.8	341.8	341.8	343.7
25°	311.2	310.2	311.2	311.2	313.2
27.5°	280.7	281.7	282.7	281.7	283.6
30°	253.1	255.1	256.1	254.1	257.1
32.5°	228.5	228.5	229.5	230.5	231.4
35°	206.8	205.8	207.8	207.8	208.8
37.5°	186.1	186.1	186.1	187.1	188.1
40°	167.4	167.4	168.4	168.4	169.4
42.5°	150.7	149.7	150.7	150.7	150.7
45°	134.9	135.9	135.9	135.9	135.9
47.5°	121.1	121.1	122.1	121.1	122.1
50°	108.3	108.3	108.3	108.3	109.3
52.5°	96.5	96.5	96.5	96.5	97.5
55°	86.7	85.7	86.7	85.7	86.7
57.5°	76.8	76.8	76.8	76.8	76.8
60°	68.0	67.0	68.0	67.0	68.0
62.5°	59.1	59.1	59.1	59.1	59.1
65°	51.2	51.2	51.2	51.2	51.2
67.5°	44.3	44.3	44.3	43.3	43.3
70°	37.4	37.4	37.4	37.4	37.4
72.5°	31.5	30.5	30.5	30.5	30.5
75°	25.6	24.6	24.6	24.6	24.6
77.5°	19.7	19.7	18.7	18.7	19.7
80°	14.8	13.8	13.8	13.8	13.8
82.5°	8.9	8.9	8.9	8.9	8.9
85°	4.9	4.9	4.9	4.9	4.9
87.5°	1.0	1.0	1.0	2.0	2.0



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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)