

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: P1316617

Luminaire Tested: LDSQA3D13R359740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316617
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: LDSQA3D13R359740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

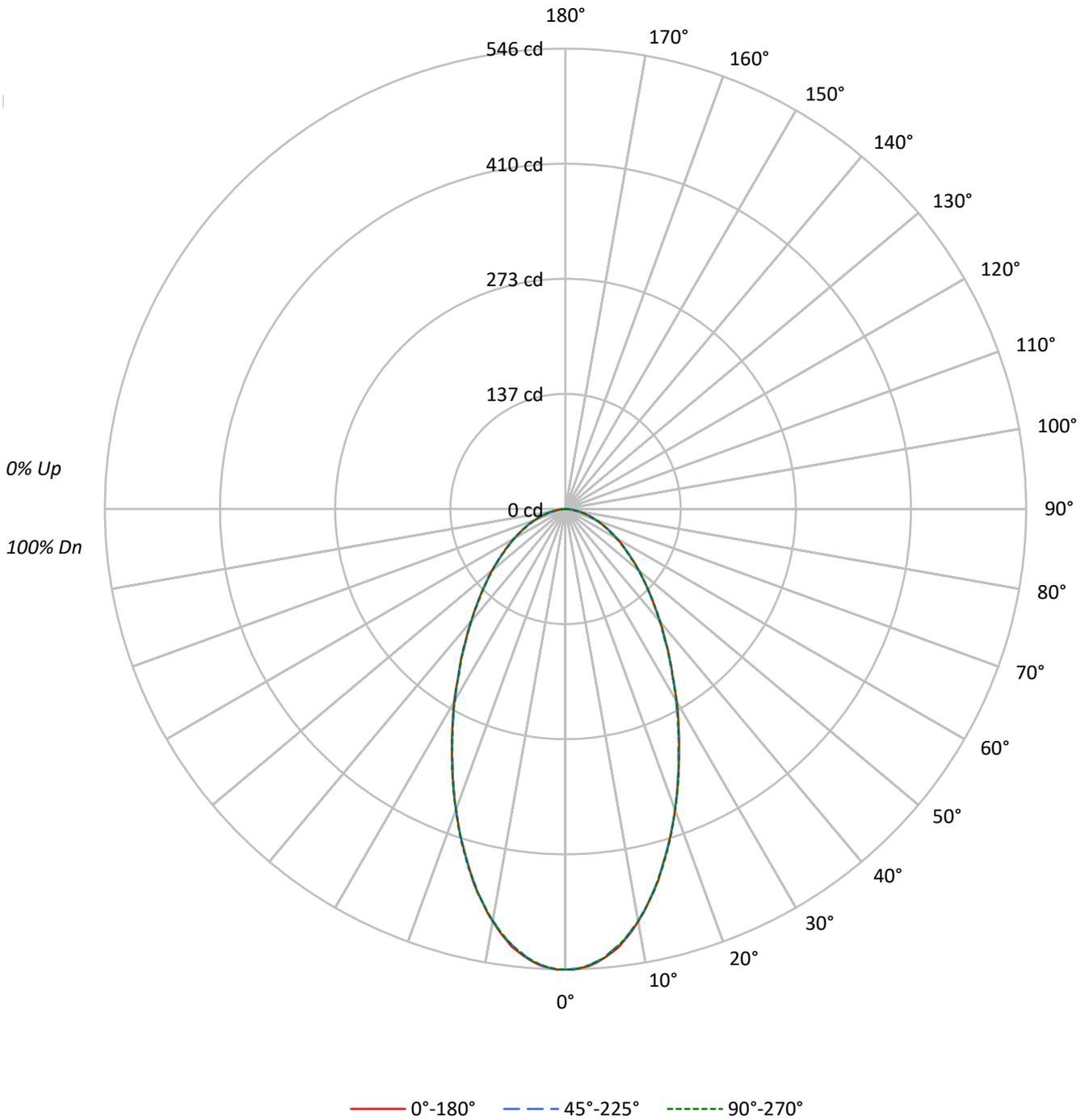
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 730.0 lumens
Efficiency: N/A
Efficacy: 50.0 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): 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
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°	94102	94102	94102
5°	92353	92180	92353
10°	86828	86670	86828
15°	78612	78612	78790
20°	69590	69590	69590
25°	60504	60333	60333
30°	52461	52083	52282
35°	45161	44971	45161
40°	39186	38984	39186
45°	34415	34196	34196
50°	30544	30303	30303
55°	26873	26873	26873
60°	24352	24008	24352
65°	21883	21883	21883
70°	19437	19437	19437
75°	17567	16902	17567
80°	14976	14976	14976
85°	9287	9287	9287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	6.8
10°-20°	123.0	16.8
20°-30°	146.1	20.0
30°-40°	134.3	18.4
40°-50°	109.0	14.9
50°-60°	80.7	11.1
60°-70°	53.3	7.3
70°-80°	27.6	3.8
80°-90°	6.2	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°	318.8	43.7
0°-40°	453.1	62.1
0°-60°	642.9	88.1
0°-90°	730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	546	546	546	546	546	
5°	534	533	533	533	534	50
15°	441	441	441	441	442	123
25°	318	318	318	318	318	146
35°	215	214	214	215	215	135
45°	141	140	140	140	140	109
55°	90	90	90	90	90	81
65°	54	54	54	54	54	53
75°	26	26	25	26	26	28
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°	546.4	546.4	546.4	546.4	546.4
1°	546.4	545.5	545.5	545.5	546.4
2°	544.5	544.5	544.5	544.5	544.5
3°	542.7	541.7	541.7	541.7	541.7
4°	538.9	538.0	538.0	538.0	538.0
5°	534.2	533.2	533.2	533.2	534.2
6°	528.5	527.6	526.6	526.6	527.6
7°	522.9	521.0	521.0	521.0	521.0
8°	514.4	513.5	513.5	513.5	513.5
9°	505.9	504.0	505.0	505.0	505.0
10°	496.5	495.6	495.6	495.6	496.5
11°	487.1	486.1	486.1	485.2	486.1
12°	475.8	475.8	475.8	475.8	475.8
13°	465.4	464.5	464.5	464.5	465.4
14°	454.1	453.2	453.2	453.2	453.2
15°	440.9	440.9	440.9	440.9	441.9
17.5°	410.8	409.8	410.8	410.8	411.7
20°	379.7	378.7	379.7	379.7	379.7
22.5°	348.6	348.6	347.6	348.6	349.5
25°	318.4	317.5	317.5	318.4	317.5
27.5°	290.2	289.2	289.2	289.2	289.2
30°	263.8	261.9	261.9	262.9	262.9
32.5°	236.5	236.5	237.4	236.5	236.5
35°	214.8	213.9	213.9	214.8	214.8
37.5°	193.1	192.2	192.2	193.1	193.1
40°	174.3	174.3	173.4	174.3	174.3
42.5°	156.4	156.4	156.4	156.4	156.4
45°	141.3	140.4	140.4	140.4	140.4
47.5°	126.2	126.2	126.2	125.3	126.2
50°	114.0	113.1	113.1	113.1	113.1
52.5°	100.8	100.8	100.8	100.8	100.8
55°	89.5	89.5	89.5	89.5	89.5
57.5°	80.1	79.1	79.1	79.1	79.1
60°	70.7	70.7	69.7	70.7	70.7
62.5°	61.2	61.2	61.2	61.2	61.2
65°	53.7	53.7	53.7	53.7	53.7
67.5°	46.2	46.2	46.2	46.2	46.2
70°	38.6	38.6	38.6	38.6	38.6
72.5°	33.0	32.0	32.0	32.0	32.0
75°	26.4	26.4	25.4	26.4	26.4
77.5°	19.8	19.8	19.8	19.8	19.8
80°	15.1	15.1	15.1	14.1	15.1
82.5°	9.4	9.4	9.4	9.4	9.4
85°	4.7	4.7	4.7	4.7	4.7
87.5°	0.9	0.9	0.9	1.9	1.9



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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)