

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: P1310450

Luminaire Tested: LDSQA3D13R709035DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709035DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

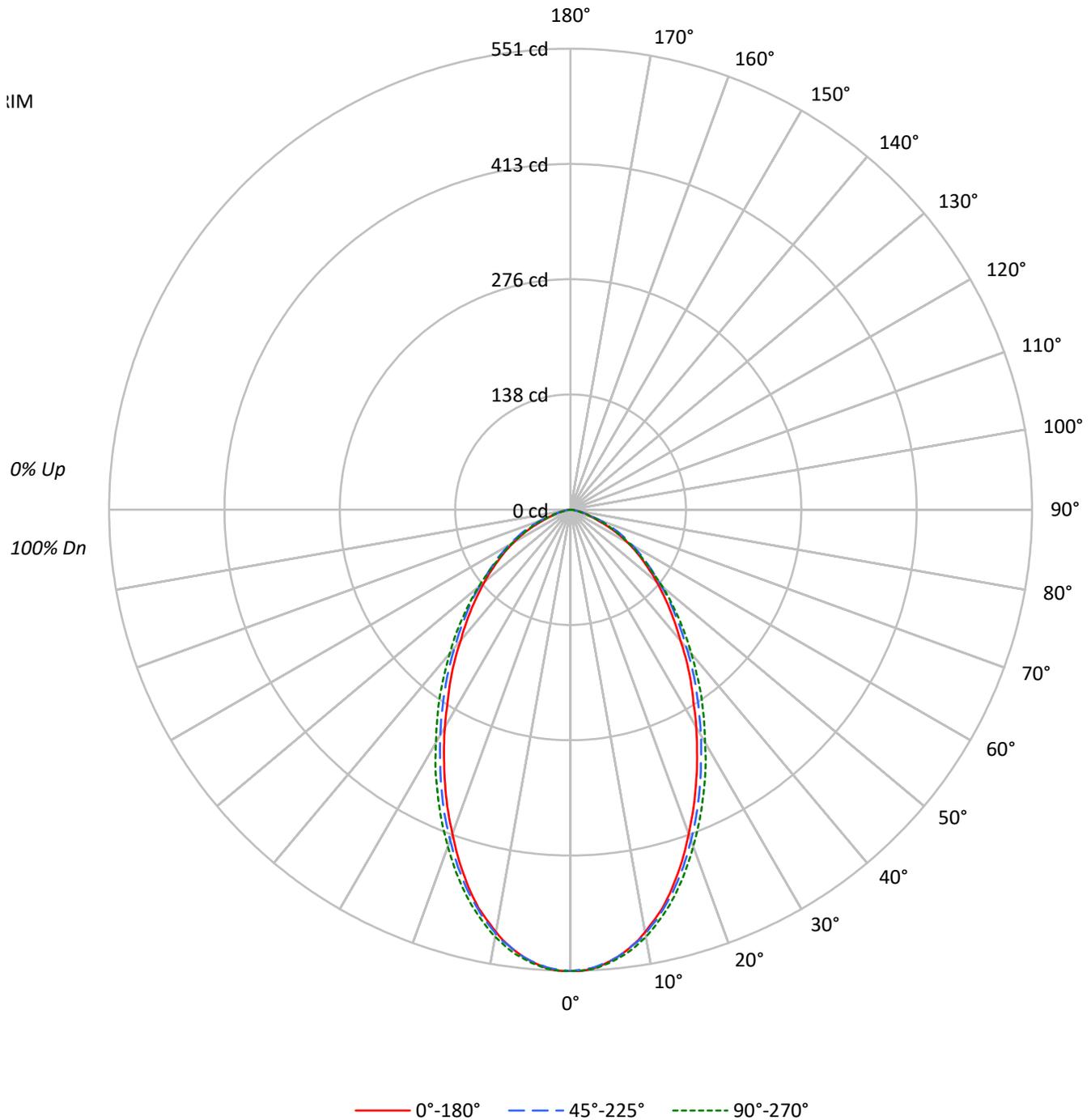
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 828.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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 (A_{in}): 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		
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78		
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68		
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61		
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54		
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	94964	94964	94964
5°	93598	93598	93943
10°	89608	89958	90658
15°	83515	84228	85298
20°	75564	77031	78497
25°	67516	69417	71317
30°	59699	61887	63896
35°	52603	54916	57229
40°	45908	48381	50405
45°	40699	42891	44352
50°	35930	37805	38341
55°	31557	33359	32458
60°	27246	29312	27935
65°	21598	25266	22821
70°	15610	19638	17121
75°	11978	12643	10647
80°	7934	7934	5951
85°	3952	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 44352 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	6.1
10°-20°	132.0	15.9
20°-30°	167.7	20.3
30°-40°	163.1	19.7
40°-50°	135.6	16.4
50°-60°	97.8	11.8
60°-70°	57.5	6.9
70°-80°	20.4	2.5
80°-90°	3.0	0.4
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°	350.5	42.3
0°-40°	513.6	62.0
0°-60°	747.1	90.2
0°-90°	828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	551	551	551	551	551	
5°	541	540	541	541	543	51
15°	468	468	472	475	478	131
25°	355	359	365	372	375	163
35°	250	253	261	268	272	156
45°	167	170	176	180	182	129
55°	105	108	111	110	108	94
65°	53	57	62	59	56	53
75°	18	19	19	17	16	20
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	551.4	551.4	551.4	551.4	551.4
1°	551.4	550.4	550.4	550.4	551.4
2°	550.4	549.4	549.4	549.4	550.4
3°	548.4	547.4	547.4	547.4	549.4
4°	545.4	543.4	544.4	544.4	546.4
5°	541.4	540.4	541.4	541.4	543.4
6°	537.4	536.4	537.4	537.4	539.4
7°	532.4	531.4	532.4	533.4	535.4
8°	526.4	525.4	526.4	527.4	530.4
9°	520.4	519.4	521.4	522.4	524.4
10°	512.4	512.4	514.4	515.4	518.4
11°	504.4	504.4	506.4	508.4	511.4
12°	496.4	496.4	499.4	501.4	503.4
13°	488.4	487.4	490.4	492.4	495.4
14°	478.4	477.4	481.4	484.4	487.4
15°	468.4	468.4	472.4	475.4	478.4
17.5°	441.4	442.4	447.4	451.4	454.4
20°	412.3	415.3	420.3	425.3	428.3
22.5°	384.3	386.3	393.3	399.3	402.3
25°	355.3	359.3	365.3	372.3	375.3
27.5°	327.3	331.3	337.3	344.3	349.3
30°	300.2	303.2	311.2	318.3	321.3
32.5°	273.2	277.2	285.2	292.2	296.2
35°	250.2	253.2	261.2	268.2	272.2
37.5°	227.2	230.2	238.2	244.2	247.2
40°	204.2	209.2	215.2	221.2	224.2
42.5°	185.1	189.2	195.2	200.2	203.2
45°	167.1	170.1	176.1	180.1	182.1
47.5°	150.1	153.1	159.1	161.1	162.1
50°	134.1	137.1	141.1	142.1	143.1
52.5°	119.1	121.1	125.1	125.1	124.1
55°	105.1	108.1	111.1	110.1	108.1
57.5°	92.1	93.1	98.1	96.1	94.1
60°	79.1	81.1	85.1	83.1	81.1
62.5°	66.1	68.1	73.1	71.1	68.1
65°	53.0	57.0	62.0	59.0	56.0
67.5°	40.0	45.0	50.0	47.0	45.0
70°	31.0	35.0	39.0	36.0	34.0
72.5°	24.0	26.0	28.0	26.0	24.0
75°	18.0	19.0	19.0	17.0	16.0
77.5°	13.0	14.0	12.0	10.0	10.0
80°	8.0	9.0	8.0	6.0	6.0
82.5°	4.0	5.0	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	2.0
87.5°	1.0	1.0	1.0	1.0	1.0



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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)