

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: P1312477

Luminaire Tested: LDSQA3D09R709050DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312477
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: LDSQA3D09R709050DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

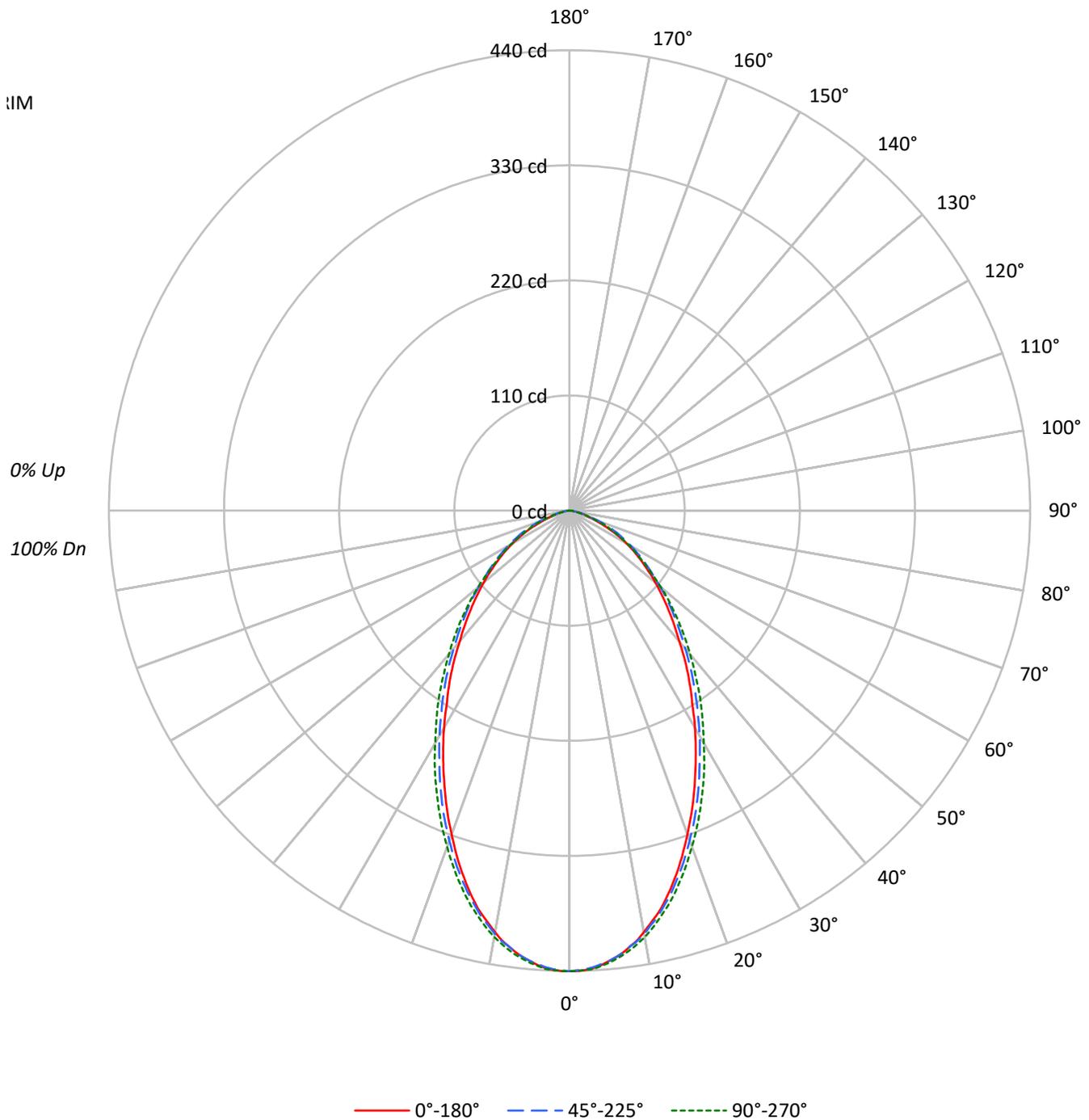
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 59.6 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): 11.1
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	100	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75812	75812	75812
5°	74719	74719	74996
10°	71543	71823	72383
15°	66666	67236	68092
20°	60334	61507	62662
25°	53892	55412	56932
30°	47668	49418	51009
35°	41986	43836	45686
40°	36646	38624	40243
45°	32491	34244	35414
50°	28695	30196	30598
55°	25192	26633	25913
60°	21734	23388	22286
65°	17238	20172	18216
70°	12488	15711	13696
75°	9582	10114	8517
80°	6347	6347	4761
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 35414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	6.1
10°-20°	105.4	15.9
20°-30°	133.9	20.3
30°-40°	130.2	19.7
40°-50°	108.3	16.4
50°-60°	78.1	11.8
60°-70°	45.9	6.9
70°-80°	16.3	2.5
80°-90°	2.4	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°	279.8	42.3
0°-40°	410.0	62.0
0°-60°	596.4	90.2
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	440	440	440	440	440	
5°	432	431	432	432	434	41
15°	374	374	377	380	382	104
25°	284	287	292	297	300	130
35°	200	202	208	214	217	125
45°	133	136	141	144	145	103
55°	84	86	89	88	86	75
65°	42	46	50	47	45	42
75°	14	15	15	14	13	16
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	440.2	440.2	440.2	440.2	440.2
1°	440.2	439.4	439.4	439.4	440.2
2°	439.4	438.6	438.6	438.6	439.4
3°	437.8	437.0	437.0	437.0	438.6
4°	435.4	433.8	434.6	434.6	436.2
5°	432.2	431.4	432.2	432.2	433.8
6°	429.0	428.2	429.0	429.0	430.6
7°	425.0	424.2	425.0	425.8	427.4
8°	420.2	419.4	420.2	421.0	423.4
9°	415.5	414.7	416.3	417.0	418.6
10°	409.1	409.1	410.7	411.5	413.9
11°	402.7	402.7	404.3	405.9	408.3
12°	396.3	396.3	398.7	400.3	401.9
13°	389.9	389.1	391.5	393.1	395.5
14°	381.9	381.1	384.3	386.7	389.1
15°	373.9	373.9	377.1	379.5	381.9
17.5°	352.3	353.1	357.1	360.3	362.7
20°	329.2	331.6	335.6	339.6	341.9
22.5°	306.8	308.4	314.0	318.8	321.2
25°	283.6	286.8	291.6	297.2	299.6
27.5°	261.3	264.5	269.2	274.8	278.8
30°	239.7	242.1	248.5	254.1	256.5
32.5°	218.1	221.3	227.7	233.3	236.5
35°	199.7	202.1	208.5	214.1	217.3
37.5°	181.4	183.8	190.1	194.9	197.3
40°	163.0	167.0	171.8	176.6	179.0
42.5°	147.8	151.0	155.8	159.8	162.2
45°	133.4	135.8	140.6	143.8	145.4
47.5°	119.8	122.2	127.0	128.6	129.4
50°	107.1	109.5	112.7	113.5	114.2
52.5°	95.1	96.7	99.9	99.9	99.1
55°	83.9	86.3	88.7	87.9	86.3
57.5°	73.5	74.3	78.3	76.7	75.1
60°	63.1	64.7	67.9	66.3	64.7
62.5°	52.7	54.3	58.3	56.7	54.3
65°	42.3	45.5	49.5	47.1	44.7
67.5°	32.0	36.0	39.9	37.6	36.0
70°	24.8	28.0	31.2	28.8	27.2
72.5°	19.2	20.8	22.4	20.8	19.2
75°	14.4	15.2	15.2	13.6	12.8
77.5°	10.4	11.2	9.6	8.0	8.0
80°	6.4	7.2	6.4	4.8	4.8
82.5°	3.2	4.0	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	0.8	0.8



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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)