

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: P1315039

Luminaire Tested: LDSQA3D20R709730D010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709730D010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

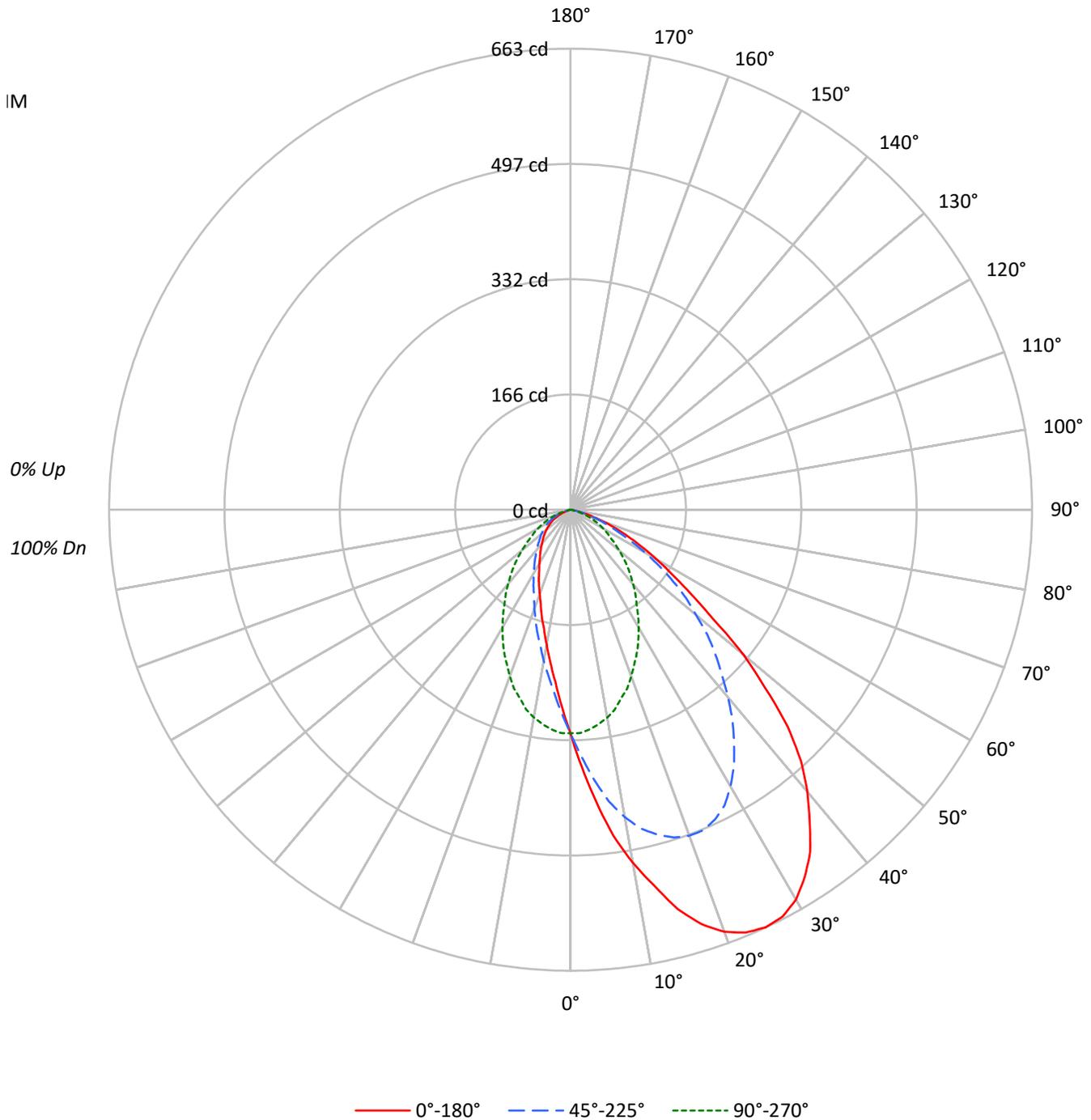
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55352	55352	55352	55352	55352
5°	72869	67372	54786	45865	42995
10°	90150	78486	53041	38718	34469
15°	105980	86243	50013	32718	28385
20°	118378	91418	46680	27785	23624
25°	125912	93360	42927	23905	20466
30°	128746	91359	38898	20801	17798
35°	126231	86074	34754	18817	15937
40°	118975	79092	31362	17041	14321
45°	107458	71655	28058	15515	13298
50°	86944	62964	24382	14629	12191
55°	63295	54167	20928	13662	10930
60°	49083	42815	18807	12538	9920
65°	37084	30890	15445	11125	7417
70°	25983	22156	11430	8409	4582
75°	15105	13109	6055	4059	998
80°	2975	4463	1488	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 107458 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	4.4
10°-20°	93.7	13.0
20°-30°	141.2	19.6
30°-40°	157.0	21.8
40°-50°	139.1	19.3
50°-60°	94.5	13.1
60°-70°	49.5	6.9
70°-80°	14.0	1.9
80°-90°	0.4	0.1
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°	266.4	36.9
0°-40°	423.4	58.7
0°-60°	657.0	91.1
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	321	321	321	321	321	
5°	422	390	317	265	249	43
15°	594	484	280	184	159	169
25°	663	491	226	126	108	304
35°	600	409	165	90	76	372
45°	441	294	115	64	55	334
55°	211	180	70	46	36	195
65°	91	76	38	27	18	92
75°	23	20	9	6	2	25
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4
2.5°	370.0	368.4	366.9	366.9	365.4	363.9	360.9	360.9	357.8	354.8	351.8
5°	421.5	421.5	421.5	417.0	417.0	410.9	407.9	401.8	395.7	389.7	382.1
7.5°	473.1	473.1	468.5	467.0	462.5	456.4	451.8	442.7	432.1	423.0	410.9
10°	515.5	515.5	511.0	507.9	498.8	492.8	483.7	473.1	462.5	448.8	433.6
12.5°	553.4	554.9	548.9	542.8	533.7	524.6	512.5	498.8	485.2	470.0	450.3
15°	594.4	592.9	585.3	577.7	567.1	553.4	538.3	520.1	501.9	483.7	462.5
17.5°	624.7	623.2	615.6	606.5	592.9	576.2	559.5	538.3	517.0	494.3	468.5
20°	645.9	644.4	636.8	624.7	611.1	592.9	573.1	548.9	526.1	498.8	470.0
22.5°	658.1	656.5	647.4	636.8	620.1	600.4	579.2	553.4	527.7	498.8	467.0
25°	662.6	659.6	650.5	638.3	621.7	600.4	576.2	548.9	521.6	491.3	457.9
27.5°	659.6	656.5	645.9	632.3	614.1	589.8	565.6	538.3	509.5	479.1	444.3
30°	647.4	642.9	633.8	620.1	600.4	576.2	550.4	521.6	491.3	459.4	424.6
32.5°	626.2	623.2	614.1	598.9	579.2	554.9	529.2	498.8	468.5	436.7	401.8
35°	600.4	594.4	585.3	571.6	551.9	527.7	501.9	470.0	441.2	409.4	376.0
37.5°	564.0	562.5	551.9	541.3	521.6	495.8	471.6	441.2	412.4	382.1	348.7
40°	529.2	526.1	517.0	504.9	485.2	462.5	436.7	409.4	380.6	351.8	321.4
42.5°	489.7	485.2	479.1	467.0	448.8	426.1	401.8	374.5	348.7	321.4	294.2
45°	441.2	439.7	432.1	426.1	409.4	389.7	365.4	341.2	315.4	294.2	272.9
47.5°	379.1	377.5	376.0	371.5	362.4	348.7	330.5	307.8	288.1	266.9	238.1
50°	324.5	323.0	319.9	318.4	310.8	303.3	289.6	276.0	259.3	235.0	212.3
52.5°	257.8	259.3	263.8	265.3	263.8	257.8	251.7	247.1	224.4	209.2	188.0
55°	210.8	210.8	209.2	210.8	212.3	215.3	215.3	209.2	194.1	180.4	162.2
57.5°	172.9	172.9	172.9	172.9	172.9	174.4	174.4	172.9	165.3	151.6	134.9
60°	142.5	141.0	141.0	142.5	141.0	141.0	142.5	142.5	134.9	124.3	109.2
62.5°	115.2	115.2	115.2	113.7	113.7	115.2	115.2	113.7	107.7	97.0	86.4
65°	91.0	91.0	91.0	91.0	91.0	92.5	91.0	89.5	83.4	75.8	68.2
67.5°	69.7	69.7	71.3	69.7	71.3	71.3	71.3	68.2	63.7	57.6	53.1
70°	51.6	51.6	51.6	53.1	54.6	54.6	53.1	50.0	47.0	44.0	39.4
72.5°	34.9	36.4	36.4	36.4	37.9	37.9	36.4	34.9	33.4	30.3	28.8
75°	22.7	21.2	22.7	22.7	24.3	24.3	22.7	22.7	21.2	19.7	18.2
77.5°	10.6	10.6	12.1	12.1	12.1	12.1	12.1	12.1	12.1	10.6	10.6
80°	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4
2.5°	348.7	344.2	338.1	321.4	306.3	292.6	285.1	283.5
5°	373.0	366.9	351.8	316.9	288.1	265.3	251.7	248.7
7.5°	398.8	386.6	365.4	310.8	269.9	241.1	225.9	221.4
10°	418.5	403.3	374.5	303.3	251.7	221.4	203.2	197.1
12.5°	432.1	413.9	382.1	294.2	236.5	200.1	182.0	175.9
15°	439.7	420.0	383.6	280.5	218.3	183.5	163.8	159.2
17.5°	442.7	420.0	380.6	269.9	201.7	166.8	148.6	142.5
20°	441.2	413.9	373.0	254.7	186.5	151.6	133.4	128.9
22.5°	435.2	404.8	360.9	239.6	171.3	136.5	121.3	118.3
25°	426.1	392.7	347.2	225.9	157.7	125.8	110.7	107.7
27.5°	410.9	377.5	329.0	210.8	145.6	115.2	101.6	97.0
30°	391.2	359.4	310.8	195.6	133.4	104.6	92.5	89.5
32.5°	370.0	338.1	292.6	180.4	122.8	97.0	84.9	81.9
35°	345.7	315.4	269.9	165.3	112.2	89.5	77.3	75.8
37.5°	321.4	291.1	250.2	153.1	103.1	81.9	71.3	69.7
40°	294.2	269.9	239.6	139.5	95.5	75.8	66.7	63.7
42.5°	277.5	244.1	206.2	127.4	87.9	69.7	60.7	59.1
45°	241.1	216.8	186.5	115.2	80.4	63.7	56.1	54.6
47.5°	216.8	195.6	166.8	103.1	74.3	59.1	51.6	50.0
50°	192.6	172.9	145.6	91.0	68.2	54.6	47.0	45.5
52.5°	168.3	148.6	124.3	80.4	60.7	50.0	42.5	40.9
55°	144.0	125.8	103.1	69.7	54.6	45.5	39.4	36.4
57.5°	118.3	103.1	87.9	62.2	48.5	40.9	34.9	31.8
60°	95.5	86.4	74.3	54.6	42.5	36.4	30.3	28.8
62.5°	77.3	69.7	62.2	47.0	37.9	31.8	27.3	22.7
65°	62.2	57.6	51.6	37.9	31.8	27.3	22.7	18.2
67.5°	48.5	45.5	40.9	31.8	25.8	22.7	16.7	13.6
70°	37.9	34.9	31.8	22.7	19.7	16.7	12.1	9.1
72.5°	27.3	24.3	22.7	16.7	13.6	12.1	7.6	4.5
75°	16.7	16.7	13.6	9.1	7.6	6.1	3.0	1.5
77.5°	9.1	9.1	7.6	4.5	4.5	1.5	0.0	0.0
80°	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
82.5°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)