

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: P1309636

Luminaire Tested: LDSQA3D20R709030D010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309636
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: LDSQA3D20R709030D010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

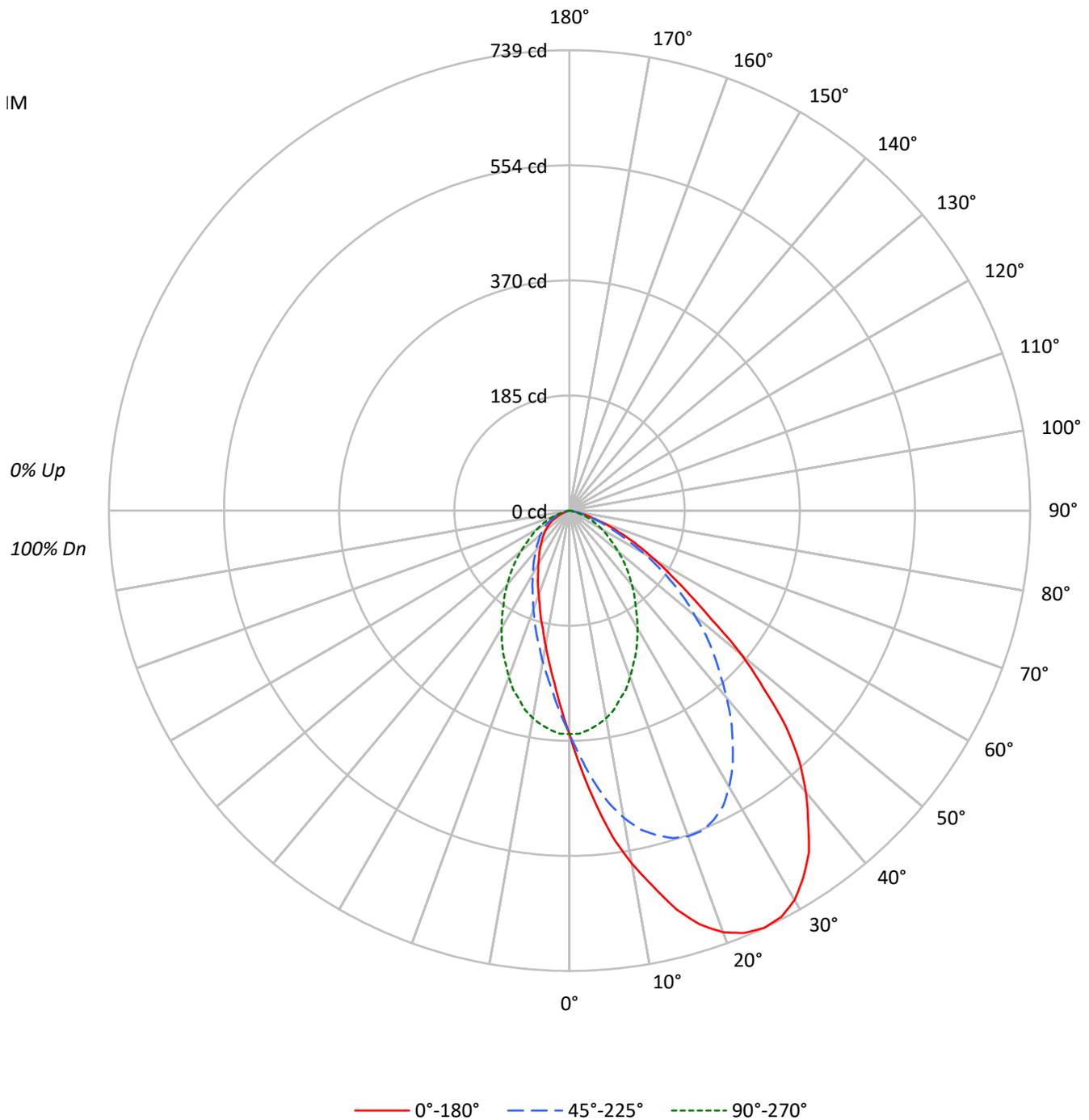
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 804.0 lumens
Efficiency: N/A
Efficacy: 27.9 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	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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	61725	61725	61725	61725	61725
5°	81254	75117	61096	51155	47940
10°	100538	87527	59144	43178	38439
15°	118176	96174	55772	36480	31648
20°	132013	101956	52069	30992	26337
25°	140411	104097	47868	26661	22803
30°	143581	101879	43373	23208	19847
35°	140780	95977	38748	20982	17766
40°	132667	88197	34982	18997	15962
45°	119831	79888	31297	17293	14833
50°	96937	70225	27168	16317	13584
55°	70561	60413	23360	15223	12191
60°	54732	47740	20977	13984	11057
65°	41322	34435	17238	12388	8273
70°	28954	24674	12790	9366	5086
75°	16902	14639	6721	4525	1131
80°	3372	5058	1686	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 119831 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	4.4
10°-20°	104.5	13.0
20°-30°	157.5	19.6
30°-40°	175.1	21.8
40°-50°	155.2	19.3
50°-60°	105.3	13.1
60°-70°	55.2	6.9
70°-80°	15.7	2.0
80°-90°	0.5	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°	297.1	36.9
0°-40°	472.1	58.7
0°-60°	732.6	91.1
0°-90°	804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	358	358	358	358	358	
5°	470	434	353	296	277	48
15°	663	539	313	205	178	188
25°	739	548	252	140	120	339
35°	670	456	184	100	84	415
45°	492	328	128	71	61	372
55°	235	201	78	51	41	217
65°	101	84	42	30	20	103
75°	25	22	10	7	2	28
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4
2.5°	412.6	410.9	409.2	409.2	407.5	405.8	402.4	402.4	399.0	395.6	392.3
5°	470.0	470.0	470.0	465.0	465.0	458.2	454.8	448.1	441.3	434.5	426.1
7.5°	527.5	527.5	522.5	520.8	515.7	508.9	503.9	493.7	481.9	471.7	458.2
10°	574.9	574.9	569.8	566.4	556.3	549.5	539.4	527.5	515.7	500.5	483.6
12.5°	617.1	618.8	612.1	605.3	595.2	585.0	571.5	556.3	541.1	524.1	502.2
15°	662.8	661.1	652.6	644.2	632.4	617.1	600.2	579.9	559.7	539.4	515.7
17.5°	696.6	694.9	686.5	676.3	661.1	642.5	623.9	600.2	576.6	551.2	522.5
20°	720.3	718.6	710.1	696.6	681.4	661.1	639.1	612.1	586.7	556.3	524.1
22.5°	733.8	732.1	722.0	710.1	691.5	669.6	645.9	617.1	588.4	556.3	520.8
25°	738.9	735.5	725.4	711.8	693.2	669.6	642.5	612.1	581.6	547.8	510.6
27.5°	735.5	732.1	720.3	705.1	684.8	657.7	630.7	600.2	568.1	534.3	495.4
30°	722.0	716.9	706.8	691.5	669.6	642.5	613.8	581.6	547.8	512.3	473.4
32.5°	698.3	694.9	684.8	667.9	645.9	618.8	590.1	556.3	522.5	487.0	448.1
35°	669.6	662.8	652.6	637.4	615.5	588.4	559.7	524.1	492.0	456.5	419.3
37.5°	629.0	627.3	615.5	603.6	581.6	552.9	525.8	492.0	459.9	426.1	388.9
40°	590.1	586.7	576.6	563.0	541.1	515.7	487.0	456.5	424.4	392.3	358.4
42.5°	546.1	541.1	534.3	520.8	500.5	475.1	448.1	417.6	388.9	358.4	328.0
45°	492.0	490.3	481.9	475.1	456.5	434.5	407.5	380.4	351.7	328.0	304.3
47.5°	422.7	421.0	419.3	414.2	404.1	388.9	368.6	343.2	321.3	297.6	265.5
50°	361.8	360.1	356.8	355.1	346.6	338.2	322.9	307.7	289.1	262.1	236.7
52.5°	287.4	289.1	294.2	295.9	294.2	287.4	280.7	275.6	250.2	233.3	209.7
55°	235.0	235.0	233.3	235.0	236.7	240.1	240.1	233.3	216.4	201.2	180.9
57.5°	192.8	192.8	192.8	192.8	192.8	194.4	194.4	192.8	184.3	169.1	150.5
60°	158.9	157.2	157.2	158.9	157.2	157.2	158.9	158.9	150.5	138.6	121.7
62.5°	128.5	128.5	128.5	126.8	126.8	128.5	128.5	126.8	120.0	108.2	96.4
65°	101.4	101.4	101.4	101.4	101.4	103.1	101.4	99.8	93.0	84.5	76.1
67.5°	77.8	77.8	79.5	77.8	79.5	79.5	79.5	76.1	71.0	64.3	59.2
70°	57.5	57.5	57.5	59.2	60.9	60.9	59.2	55.8	52.4	49.0	44.0
72.5°	38.9	40.6	40.6	40.6	42.3	42.3	40.6	38.9	37.2	33.8	32.1
75°	25.4	23.7	25.4	25.4	27.1	27.1	25.4	25.4	23.7	22.0	20.3
77.5°	11.8	11.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.8	11.8
80°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
82.5°	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4
2.5°	388.9	383.8	377.0	358.4	341.5	326.3	317.9	316.2
5°	415.9	409.2	392.3	353.4	321.3	295.9	280.7	277.3
7.5°	444.7	431.2	407.5	346.6	301.0	268.8	251.9	246.9
10°	466.7	449.8	417.6	338.2	280.7	246.9	226.6	219.8
12.5°	481.9	461.6	426.1	328.0	263.8	223.2	202.9	196.1
15°	490.3	468.4	427.8	312.8	243.5	204.6	182.6	177.5
17.5°	493.7	468.4	424.4	301.0	224.9	186.0	165.7	158.9
20°	492.0	461.6	415.9	284.1	208.0	169.1	148.8	143.7
22.5°	485.3	451.4	402.4	267.1	191.1	152.2	135.3	131.9
25°	475.1	437.9	387.2	251.9	175.8	140.3	123.4	120.0
27.5°	458.2	421.0	366.9	235.0	162.3	128.5	113.3	108.2
30°	436.2	400.7	346.6	218.1	148.8	116.7	103.1	99.8
32.5°	412.6	377.0	326.3	201.2	137.0	108.2	94.7	91.3
35°	385.5	351.7	301.0	184.3	125.1	99.8	86.2	84.5
37.5°	358.4	324.6	279.0	170.8	115.0	91.3	79.5	77.8
40°	328.0	301.0	267.1	155.6	106.5	84.5	74.4	71.0
42.5°	309.4	272.2	229.9	142.0	98.1	77.8	67.6	65.9
45°	268.8	241.8	208.0	128.5	89.6	71.0	62.6	60.9
47.5°	241.8	218.1	186.0	115.0	82.8	65.9	57.5	55.8
50°	214.7	192.8	162.3	101.4	76.1	60.9	52.4	50.7
52.5°	187.7	165.7	138.6	89.6	67.6	55.8	47.3	45.7
55°	160.6	140.3	115.0	77.8	60.9	50.7	44.0	40.6
57.5°	131.9	115.0	98.1	69.3	54.1	45.7	38.9	35.5
60°	106.5	96.4	82.8	60.9	47.3	40.6	33.8	32.1
62.5°	86.2	77.8	69.3	52.4	42.3	35.5	30.4	25.4
65°	69.3	64.3	57.5	42.3	35.5	30.4	25.4	20.3
67.5°	54.1	50.7	45.7	35.5	28.7	25.4	18.6	15.2
70°	42.3	38.9	35.5	25.4	22.0	18.6	13.5	10.1
72.5°	30.4	27.1	25.4	18.6	15.2	13.5	8.5	5.1
75°	18.6	18.6	15.2	10.1	8.5	6.8	3.4	1.7
77.5°	10.1	10.1	8.5	5.1	5.1	1.7	0.0	0.0
80°	5.1	3.4	3.4	1.7	1.7	0.0	0.0	0.0
82.5°	1.7	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)