

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: P1311571

Luminaire Tested: LDSQA3D13R709040DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

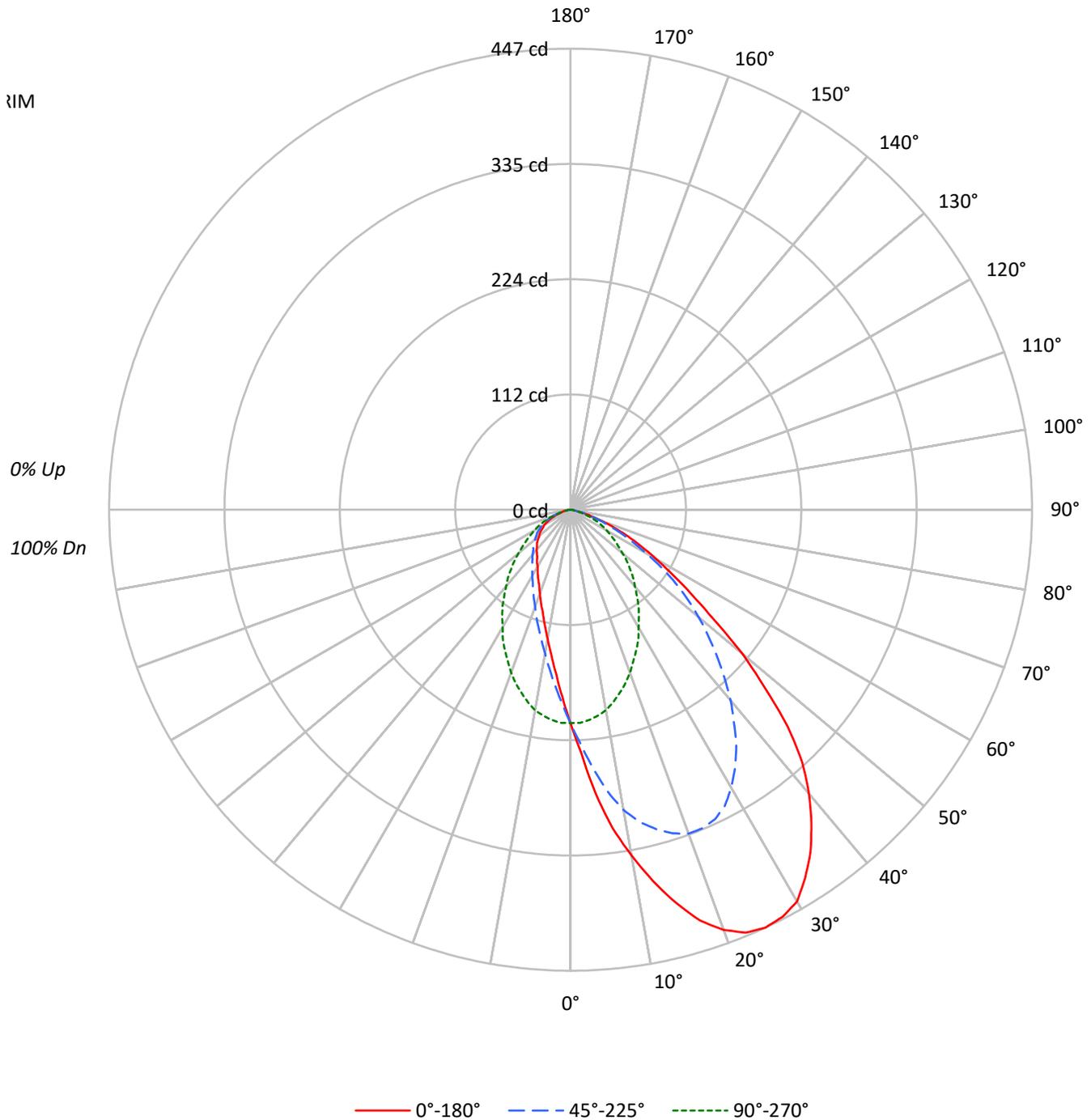
Test Method: LM-79-2019  
Report Number: P1311571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709040DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 505.0 lumens  
Efficiency: N/A  
Efficacy: 34.6 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66	66	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58	58	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51	51	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45	45	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40	40	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36	36	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33	33	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30	30	30	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	35616	35616	35616	35616	35616
5°	47663	43514	35389	29614	27626
10°	59529	51677	34521	24833	22280
15°	70374	57162	32771	21217	18436
20°	79432	61251	30809	18364	15890
25°	84923	62899	28580	16266	14081
30°	87222	61887	26171	14736	12668
35°	85191	58848	24157	13603	11858
40°	80756	54227	21830	12905	11511
45°	72483	48834	19850	12470	11179
50°	58195	43378	17630	12030	10637
55°	42967	37322	15674	11920	10359
60°	33101	29140	14019	11504	10058
65°	25103	21720	12348	10636	8925
70°	16818	15257	9467	9467	7352
75°	9050	9050	6255	6255	5590
80°	2083	4166	3075	4166	5157
85°	0	1976	1976	4150	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 72483 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.4	4.0
10°-20°	62.0	12.3
20°-30°	95.5	18.9
30°-40°	108.4	21.5
40°-50°	98.1	19.4
50°-60°	68.6	13.6
60°-70°	37.7	7.5
70°-80°	12.6	2.5
80°-90°	1.6	0.3
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°	177.9	35.2
0°-40°	286.3	56.7
0°-60°	453.0	89.7
0°-90°	505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	207	207	207	207	207	
5°	276	252	205	171	160	28
15°	395	321	184	119	103	112
25°	447	331	150	86	74	205
35°	405	280	115	65	56	252
45°	298	200	82	51	46	225
55°	143	124	52	40	34	132
65°	62	53	30	26	22	62
75°	14	14	9	9	8	16
85°	0	1	1	2	2	1
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°	206.8	206.8	206.8	206.8	206.8	206.8	206.8	206.8	206.8	206.8	206.8
2.5°	236.0	238.1	239.1	237.0	236.0	235.0	232.9	231.8	229.7	227.6	226.6
5°	275.7	275.7	275.7	273.6	270.5	268.4	264.2	261.1	255.8	251.7	247.5
7.5°	311.2	311.2	310.1	307.0	304.9	299.7	294.5	290.3	281.9	275.7	267.3
10°	340.4	340.4	339.4	334.2	331.0	324.8	319.5	312.2	303.9	295.5	286.1
12.5°	368.6	368.6	364.4	360.3	354.0	345.6	338.3	331.0	319.5	310.1	298.7
15°	394.7	394.7	392.6	385.3	377.0	367.6	357.1	346.7	333.1	320.6	308.1
17.5°	417.7	416.7	413.5	405.2	396.8	385.3	372.8	360.3	343.6	328.9	313.3
20°	433.4	433.4	429.2	419.8	410.4	397.9	384.3	369.7	351.9	334.2	315.4
22.5°	443.8	442.8	438.6	429.2	417.7	405.2	389.5	373.8	354.0	334.2	314.3
25°	446.9	445.9	441.7	431.3	419.8	406.2	389.5	372.8	351.9	331.0	309.1
27.5°	444.8	443.8	439.6	428.1	416.7	401.0	384.3	366.5	345.6	323.7	301.8
30°	438.6	435.5	431.3	420.8	408.3	392.6	374.9	355.0	334.2	311.2	289.3
32.5°	422.9	422.9	417.7	407.3	394.7	378.0	360.3	341.5	318.5	296.6	273.6
35°	405.2	404.1	399.9	388.5	377.0	361.3	343.6	323.7	301.8	279.9	257.9
37.5°	383.2	382.2	378.0	367.6	355.0	340.4	321.6	302.8	281.9	260.0	240.2
40°	359.2	357.1	351.9	343.6	333.1	316.4	299.7	280.9	261.1	241.2	221.4
42.5°	332.1	330.0	325.8	319.5	307.0	292.4	276.7	259.0	240.2	220.3	205.7
45°	297.6	297.6	295.5	289.3	279.9	268.4	251.7	236.0	218.2	200.5	184.8
47.5°	254.8	256.9	255.8	252.7	248.5	238.1	226.6	213.0	196.3	180.7	166.0
50°	217.2	218.2	219.3	217.2	214.1	206.8	199.5	191.1	176.5	161.9	148.3
52.5°	174.4	177.5	177.5	178.6	178.6	176.5	174.4	165.0	157.7	143.1	130.5
55°	143.1	143.1	143.1	145.2	146.2	147.2	145.2	143.1	134.7	124.3	112.8
57.5°	117.0	117.0	119.0	118.0	118.0	120.1	120.1	119.0	113.8	104.4	94.0
60°	96.1	96.1	96.1	96.1	97.1	97.1	97.1	97.1	92.9	84.6	76.2
62.5°	77.3	77.3	77.3	78.3	78.3	78.3	79.4	78.3	74.1	67.9	60.6
65°	61.6	60.6	61.6	61.6	62.7	62.7	62.7	61.6	57.4	53.3	48.0
67.5°	45.9	47.0	47.0	47.0	48.0	49.1	48.0	47.0	43.9	39.7	37.6
70°	33.4	34.5	34.5	34.5	35.5	36.5	35.5	34.5	32.4	30.3	28.2
72.5°	21.9	23.0	23.0	24.0	25.1	25.1	24.0	24.0	23.0	20.9	19.8
75°	13.6	13.6	14.6	14.6	15.7	15.7	15.7	14.6	14.6	13.6	13.6
77.5°	6.3	6.3	7.3	7.3	7.3	8.4	8.4	8.4	8.4	8.4	7.3
80°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	4.2	4.2	4.2
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	206.8	206.8	206.8	206.8	206.8	206.8	206.8	206.8
2.5°	224.5	221.4	217.2	206.8	196.3	188.0	182.7	181.7
5°	242.3	237.0	227.6	204.7	185.9	171.3	162.9	159.8
7.5°	260.0	250.6	237.0	201.5	173.3	155.6	146.2	142.0
10°	274.6	263.2	245.4	197.4	162.9	142.0	130.5	127.4
12.5°	286.1	272.5	250.6	191.1	152.5	129.5	118.0	114.9
15°	293.4	278.8	253.8	183.8	142.0	119.0	107.6	103.4
17.5°	296.6	278.8	252.7	176.5	132.6	109.6	98.2	95.0
20°	296.6	276.7	249.6	168.1	123.2	100.2	89.8	86.7
22.5°	293.4	272.5	242.3	158.7	114.9	92.9	82.5	79.4
25°	287.2	264.2	233.9	150.4	106.5	85.6	76.2	74.1
27.5°	277.8	254.8	223.5	142.0	99.2	79.4	71.0	68.9
30°	266.3	243.3	212.0	131.6	91.9	74.1	66.8	63.7
32.5°	251.7	229.7	199.5	123.2	85.6	68.9	62.7	60.6
35°	236.0	216.2	185.9	114.9	79.4	64.7	58.5	56.4
37.5°	220.3	199.5	174.4	105.5	74.1	60.6	55.3	53.3
40°	203.6	188.0	161.9	97.1	70.0	57.4	52.2	51.2
42.5°	186.9	170.2	144.1	89.8	64.7	53.3	49.1	48.0
45°	167.1	151.4	130.5	81.5	60.6	51.2	47.0	45.9
47.5°	150.4	135.8	117.0	74.1	56.4	48.0	43.9	42.8
50°	134.7	120.1	102.3	65.8	52.2	44.9	41.8	39.7
52.5°	117.0	104.4	88.8	58.5	48.0	41.8	38.6	37.6
55°	101.3	88.8	74.1	52.2	43.9	39.7	35.5	34.5
57.5°	83.5	73.1	62.7	45.9	39.7	35.5	33.4	31.3
60°	67.9	60.6	53.3	40.7	35.5	33.4	30.3	29.2
62.5°	55.3	50.1	44.9	35.5	31.3	29.2	27.2	25.1
65°	43.9	40.7	36.5	30.3	27.2	26.1	24.0	21.9
67.5°	34.5	32.4	29.2	24.0	23.0	21.9	19.8	17.8
70°	26.1	25.1	23.0	18.8	17.8	18.8	16.7	14.6
72.5°	18.8	17.8	16.7	13.6	13.6	13.6	12.5	10.4
75°	12.5	11.5	10.4	9.4	9.4	9.4	9.4	8.4
77.5°	7.3	7.3	6.3	5.2	6.3	6.3	7.3	7.3
80°	3.1	3.1	3.1	3.1	4.2	4.2	5.2	5.2
82.5°	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)