

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: P1324123

Luminaire Tested: LDSQA3D17R659030D2WDE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

**Test Information**

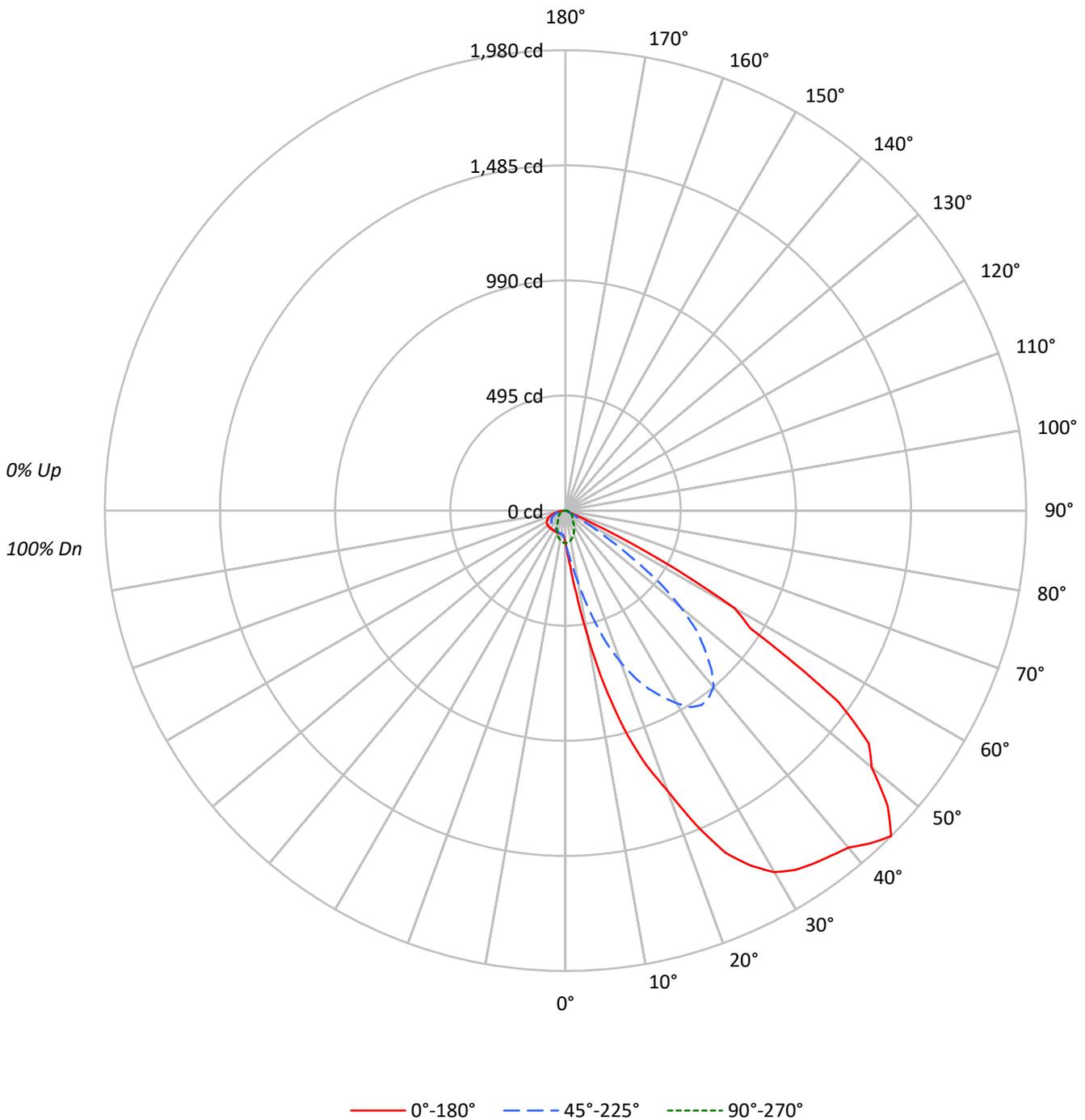
Test Method: LM-79-2019  
Report Number: P1324123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-82)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R659030D2WDE010 3LSQCA45R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,  
3LSQCA45R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1436.0 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.3  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87	87	87
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74	74	74
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62	62	62
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53	53	53
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45	45
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39	39	39
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34	34	34
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29	29	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	26	26	26
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	23	23

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

	0°	45°	90°	135°	180°
0°	24060	24060	24060	24060	24060
5°	42062	34351	23650	19172	18412
10°	95187	55402	22664	17628	17873
15°	173020	89078	21057	17705	18222
20°	234593	127193	19006	17686	18474
25°	308356	160611	16684	17235	18870
30°	357063	190414	14318	17182	19747
35°	389899	214618	12110	17555	20877
40°	425338	222707	10679	18458	22325
45°	482199	206563	10181	19631	24185
50°	460627	172440	10021	20845	26606
55°	429283	96834	10389	22490	29396
60°	289127	20839	10402	23801	31723
65°	44582	5298	9984	24655	34598
70°	5086	5086	9416	25379	36960
75°	4791	4791	8650	24887	37396
80°	4265	5752	8529	22811	37093
85°	2766	5730	8497	22724	34185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 482199 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.9	1.2
10°-20°	91.3	6.4
20°-30°	214.5	14.9
30°-40°	324.1	22.6
40°-50°	372.6	25.9
50°-60°	295.8	20.6
60°-70°	88.6	6.2
70°-80°	24.1	1.7
80°-90°	8.1	0.6
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°	322.8	22.5
0°-40°	646.9	45.0
0°-60°	1315.2	91.6
0°-90°	1436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1436.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	243	199	137	111	106	33
15°	970	500	118	99	102	279
25°	1623	845	88	91	99	741
35°	1854	1021	58	84	99	1164
45°	1980	848	42	81	99	1471
55°	1430	322	35	75	98	1178
65°	109	13	24	60	85	245
75°	7	7	13	37	56	8
85°	1	3	4	12	17	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
0°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	177.1	178.5	177.1	177.1	175.7	174.2	164.1	152.6	139.7	129.6	122.4
5°	243.3	244.8	240.5	240.5	237.6	233.3	198.7	165.6	136.8	120.9	110.9
7.5°	360.0	365.7	358.5	349.9	334.0	331.2	247.7	178.5	133.9	112.3	103.7
10°	544.3	539.9	532.7	515.5	488.1	475.1	316.8	191.5	129.6	106.5	100.8
12.5°	767.4	755.9	747.3	715.6	678.2	656.6	403.2	203.0	123.8	100.8	99.3
15°	970.4	961.8	941.6	911.4	865.3	848.1	499.6	210.2	118.1	96.5	99.3
17.5°	1141.8	1133.1	1121.6	1091.4	1043.9	1018.0	607.6	214.5	110.9	93.6	97.9
20°	1280.0	1274.2	1258.4	1233.9	1186.4	1161.9	694.0	214.5	103.7	90.7	96.5
22.5°	1458.5	1445.6	1425.4	1389.4	1330.4	1293.0	776.1	210.2	96.5	87.8	93.6
25°	1622.7	1614.0	1588.1	1544.9	1481.6	1444.1	845.2	201.6	87.8	83.5	90.7
27.5°	1720.6	1714.8	1690.4	1645.7	1575.2	1546.4	902.8	188.6	79.2	79.2	89.3
30°	1795.5	1783.9	1759.5	1716.3	1644.3	1609.7	957.5	172.8	72.0	74.9	86.4
32.5°	1832.9	1828.6	1807.0	1769.5	1699.0	1660.1	1002.1	152.6	63.4	72.0	84.9
35°	1854.5	1850.2	1832.9	1796.9	1730.7	1693.2	1020.8	133.9	57.6	69.1	83.5
37.5°	1871.8	1867.5	1845.9	1809.9	1743.6	1704.8	1012.2	113.7	51.8	66.2	82.1
40°	1891.9	1876.1	1843.0	1807.0	1746.5	1709.1	990.6	95.0	47.5	64.8	82.1
42.5°	1940.9	1886.2	1834.3	1801.2	1743.6	1700.4	928.7	74.9	43.2	61.9	80.6
45°	1979.8	1883.3	1817.1	1791.1	1732.1	1683.2	848.1	54.7	41.8	60.5	80.6
47.5°	1877.5	1818.5	1788.3	1773.9	1710.5	1657.2	764.5	37.4	40.3	59.0	79.2
50°	1719.2	1712.0	1700.4	1701.9	1644.3	1601.1	643.6	25.9	37.4	57.6	77.8
52.5°	1642.8	1634.2	1614.0	1599.6	1542.1	1504.6	509.7	20.2	36.0	56.2	76.3
55°	1429.7	1435.5	1413.9	1422.5	1405.3	1386.6	322.5	18.7	34.6	53.3	74.9
57.5°	941.6	970.4	1020.8	1081.3	1136.0	1173.5	174.2	18.7	31.7	51.8	72.0
60°	839.4	832.2	830.8	842.3	866.8	886.9	60.5	17.3	30.2	47.5	69.1
62.5°	459.3	456.4	499.6	573.1	616.2	620.6	17.3	17.3	27.4	44.6	64.8
65°	109.4	113.7	126.7	158.4	187.2	205.9	13.0	15.8	24.5	41.8	60.5
67.5°	17.3	18.7	18.7	23.0	25.9	25.9	11.5	14.4	21.6	37.4	56.2
70°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.0	18.7	33.1	50.4
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	10.1	11.5	15.8	28.8	43.2
75°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	10.1	13.0	23.0	37.4
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	7.2	8.6	11.5	18.7	30.2
80°	4.3	4.3	4.3	4.3	4.3	4.3	5.8	7.2	8.6	14.4	23.0
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	4.3	5.8	7.2	11.5	17.3
85°	1.4	1.4	1.4	1.4	2.9	2.9	2.9	4.3	4.3	7.2	11.5
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	4.3	5.8
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):**

	157.5°	180°
0°	139.7	139.7
2.5°	118.1	116.6
5°	106.5	106.5
7.5°	102.2	102.2
10°	100.8	102.2
12.5°	100.8	102.2
15°	100.8	102.2
17.5°	100.8	102.2
20°	99.3	100.8
22.5°	97.9	99.3
25°	96.5	99.3
27.5°	95.0	99.3
30°	95.0	99.3
32.5°	95.0	99.3
35°	93.6	99.3
37.5°	93.6	99.3
40°	93.6	99.3
42.5°	93.6	99.3
45°	93.6	99.3
47.5°	93.6	99.3
50°	93.6	99.3
52.5°	92.1	99.3
55°	92.1	97.9
57.5°	89.3	95.0
60°	86.4	92.1
62.5°	83.5	89.3
65°	79.2	84.9
67.5°	74.9	79.2
70°	67.7	73.4
72.5°	60.5	64.8
75°	51.8	56.2
77.5°	43.2	47.5
80°	34.6	37.4
82.5°	24.5	27.4
85°	15.8	17.3
87.5°	7.2	7.2
90°	0.0	0.0

(END OF REPORT)