

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: P1324115

Luminaire Tested: LDSQA3D17R609030D2WDE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

**Test Information**

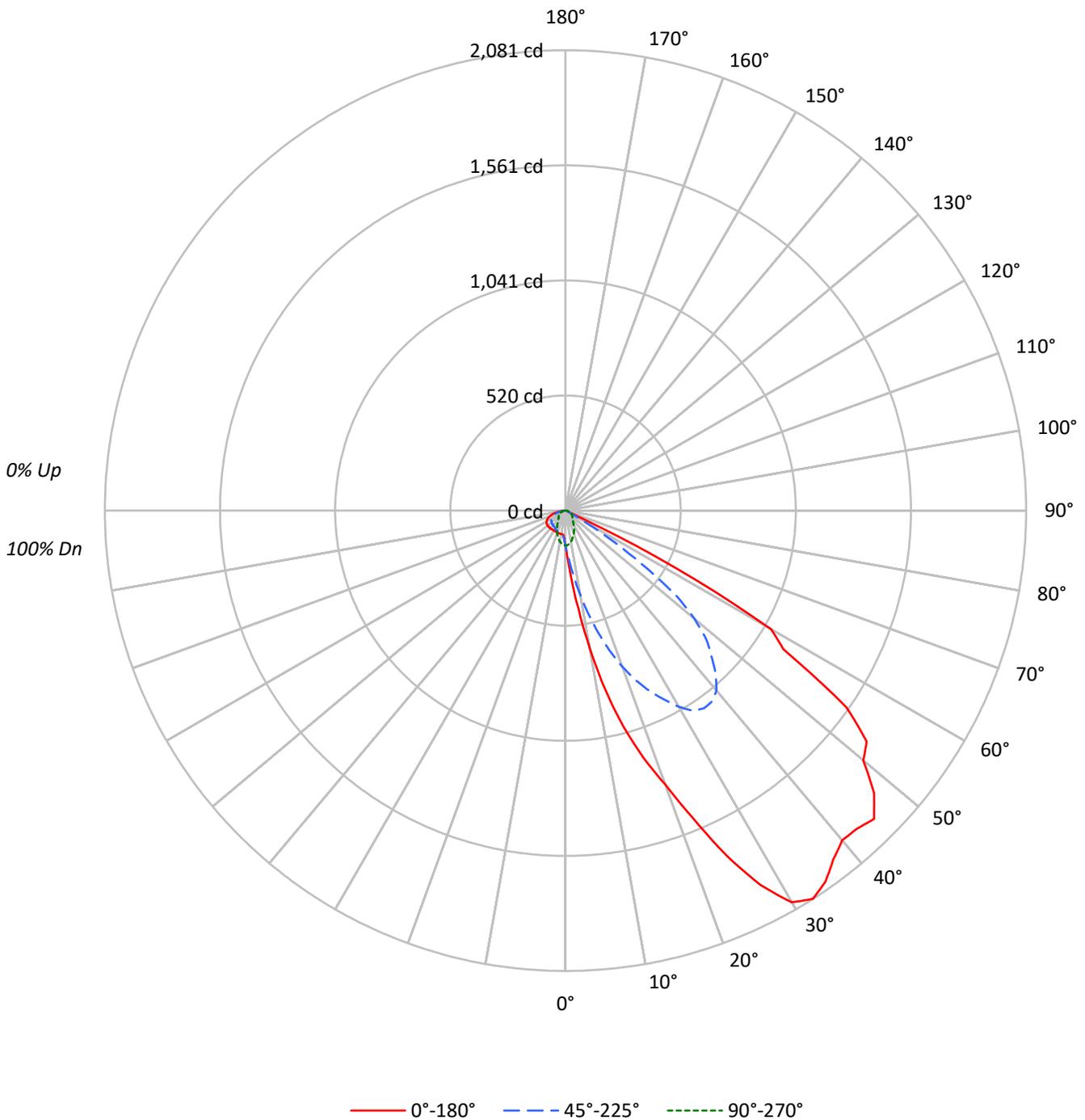
Test Method: LM-79-2019  
Report Number: P1324115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-81)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609030D2WDE010 3LSQCA45R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1584.0 lumens  
Efficiency: N/A  
Efficacy: 58.0 lumens/watt  
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07  
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	
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74	74	
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62	62	
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53	53	
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45	
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39	39	
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33	33	
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29	29	
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25	25	
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22	22	

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

	0°	45°	90°	135°	180°
0°	27022	27022	27022	27022	27022
5°	53264	41578	26641	20158	19172
10°	110034	67731	24920	18380	18642
15°	179974	101666	22341	18490	19007
20°	241465	137750	20050	18474	19262
25°	326694	171005	17520	18338	19972
30°	406601	203599	14597	18335	20901
35°	430477	229461	12404	18775	21802
40°	437344	238580	11331	19425	23629
45°	480105	227241	10863	20703	25598
50°	470647	203708	10798	21997	28160
55°	465194	124939	10809	23781	31137
60°	369004	29760	11401	25282	33721
65°	23473	5298	11166	25836	36391
70°	5086	5791	10877	26839	38421
75°	4791	5723	9582	25885	39260
80°	4265	5752	10017	25687	37093
85°	2766	5730	11461	22724	36952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 52.5°  
 Luminance: 506742 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.6	1.2
10°-20°	98.7	6.2
20°-30°	229.1	14.5
30°-40°	356.0	22.5
40°-50°	405.7	25.6
50°-60°	341.7	21.6
60°-70°	99.2	6.3
70°-80°	25.4	1.6
80°-90°	8.6	0.5
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°	347.4	21.9
0°-40°	703.4	44.4
0°-60°	1450.9	91.6
0°-90°	1584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1584.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	157	157	157	157	157	
5°	308	240	154	117	111	39
15°	1009	570	125	104	107	292
25°	1719	900	92	96	105	798
35°	2048	1091	59	89	104	1272
45°	1971	933	45	85	105	1482
55°	1549	416	36	79	104	1304
65°	58	13	27	63	89	285
75°	7	9	14	39	59	8
85°	1	3	6	12	19	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	211.7	210.2	210.2	208.8	207.3	205.9	201.6	200.1	191.5	174.2	156.9
5°	308.1	306.7	302.4	300.9	293.7	283.7	273.6	263.5	240.5	191.5	154.1
7.5°	446.4	449.2	446.4	430.5	420.4	404.6	374.4	352.8	306.7	208.8	148.3
10°	629.2	629.2	624.9	600.4	578.8	548.6	509.7	472.3	387.3	224.6	142.5
12.5°	827.9	832.2	810.7	790.5	751.6	714.2	660.9	604.7	479.5	237.6	135.3
15°	1009.4	1006.5	984.9	959.0	918.6	866.8	810.7	738.7	570.2	246.2	125.3
17.5°	1170.6	1164.9	1146.1	1117.3	1068.4	1010.8	938.8	861.0	663.8	253.4	118.1
20°	1317.5	1297.3	1275.7	1245.5	1198.0	1137.5	1062.6	974.8	751.6	253.4	109.4
22.5°	1503.2	1483.1	1452.8	1406.8	1343.4	1268.5	1180.7	1081.3	829.4	247.7	100.8
25°	1719.2	1703.4	1651.5	1592.5	1510.4	1421.2	1318.9	1185.0	899.9	239.0	92.2
27.5°	1907.8	1890.6	1838.7	1752.3	1653.0	1546.4	1438.4	1301.6	961.8	223.2	82.1
30°	2044.6	2023.0	1982.7	1900.6	1779.7	1650.1	1521.9	1390.9	1023.8	204.5	73.4
32.5°	2080.6	2077.7	2047.5	1987.0	1879.0	1736.5	1583.9	1441.3	1072.7	180.0	66.2
35°	2047.5	2051.8	2046.1	2015.8	1936.6	1797.0	1624.2	1468.7	1091.4	155.5	59.0
37.5°	1987.0	1992.8	2002.9	2007.2	1956.8	1833.0	1647.2	1480.2	1087.1	131.0	54.7
40°	1945.3	1942.4	1942.4	1971.2	1961.1	1848.8	1650.1	1471.6	1061.2	105.1	50.4
42.5°	1949.6	1917.9	1896.3	1942.4	1956.8	1841.6	1631.4	1448.5	1005.0	80.6	46.1
45°	1971.2	1903.5	1866.1	1925.1	1948.2	1817.1	1596.8	1414.0	933.0	56.2	44.6
47.5°	1890.6	1845.9	1840.2	1923.7	1932.3	1775.4	1543.5	1359.2	863.9	38.9	41.8
50°	1756.6	1749.5	1779.7	1866.1	1867.5	1706.3	1483.1	1259.9	760.3	27.4	40.3
52.5°	1714.9	1719.2	1746.6	1791.2	1749.5	1589.6	1373.6	1176.4	629.2	21.6	38.9
55°	1549.3	1556.5	1582.4	1609.8	1579.5	1447.1	1241.2	1075.6	416.1	20.2	36.0
57.5°	1166.3	1185.0	1232.5	1257.0	1259.9	1179.3	1124.5	927.3	234.7	20.2	34.6
60°	1071.3	1046.8	1025.2	974.8	928.7	918.6	924.4	695.5	86.4	18.7	33.1
62.5°	560.1	548.6	581.7	603.3	609.1	640.7	599.0	367.2	18.7	18.7	30.2
65°	57.6	57.6	70.6	93.6	155.5	207.3	197.3	106.6	13.0	17.3	27.4
67.5°	17.3	17.3	17.3	20.2	25.9	25.9	21.6	15.8	13.0	15.8	24.5
70°	10.1	10.1	10.1	10.1	10.1	10.1	11.5	10.1	11.5	14.4	21.6
72.5°	8.6	8.6	8.6	8.6	10.1	10.1	10.1	10.1	10.1	13.0	18.7
75°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.6	8.6	10.1	14.4
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	7.2	7.2	7.2	8.6	11.5
80°	4.3	4.3	4.3	4.3	4.3	5.8	5.8	5.8	5.8	7.2	10.1
82.5°	2.9	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3	5.8	7.2
85°	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	5.8
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3
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):**

	112.5°	135°	157.5°	180°
0°	156.9	156.9	156.9	156.9
2.5°	142.5	132.5	126.7	123.8
5°	129.6	116.6	112.3	110.9
7.5°	118.1	109.4	108.0	108.0
10°	110.9	105.1	106.6	106.6
12.5°	106.6	105.1	106.6	108.0
15°	102.2	103.7	106.6	106.6
17.5°	99.4	102.2	105.1	106.6
20°	95.0	100.8	105.1	105.1
22.5°	92.2	99.4	103.7	105.1
25°	89.3	96.5	102.2	105.1
27.5°	85.0	95.0	102.2	103.7
30°	80.6	92.2	100.8	105.1
32.5°	76.3	90.7	100.8	103.7
35°	73.4	89.3	100.8	103.7
37.5°	70.6	87.8	100.8	105.1
40°	69.1	86.4	99.4	105.1
42.5°	66.2	86.4	99.4	105.1
45°	64.8	85.0	99.4	105.1
47.5°	63.4	83.5	99.4	105.1
50°	60.5	82.1	97.9	105.1
52.5°	59.0	80.6	97.9	105.1
55°	56.2	79.2	96.5	103.7
57.5°	54.7	76.3	95.0	100.8
60°	51.8	73.4	92.2	97.9
62.5°	47.5	69.1	87.8	95.0
65°	43.2	63.4	83.5	89.3
67.5°	38.9	59.0	77.8	83.5
70°	34.6	53.3	70.6	76.3
72.5°	30.2	46.1	63.4	67.7
75°	25.9	38.9	53.3	59.0
77.5°	20.2	31.7	44.6	49.0
80°	15.8	25.9	34.6	37.4
82.5°	13.0	18.7	25.9	27.4
85°	8.6	11.5	15.8	18.7
87.5°	4.3	5.8	7.2	8.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)