

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P675579

Luminaire Tested: **CCW-SA-1D-760-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675579
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-760-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL3 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

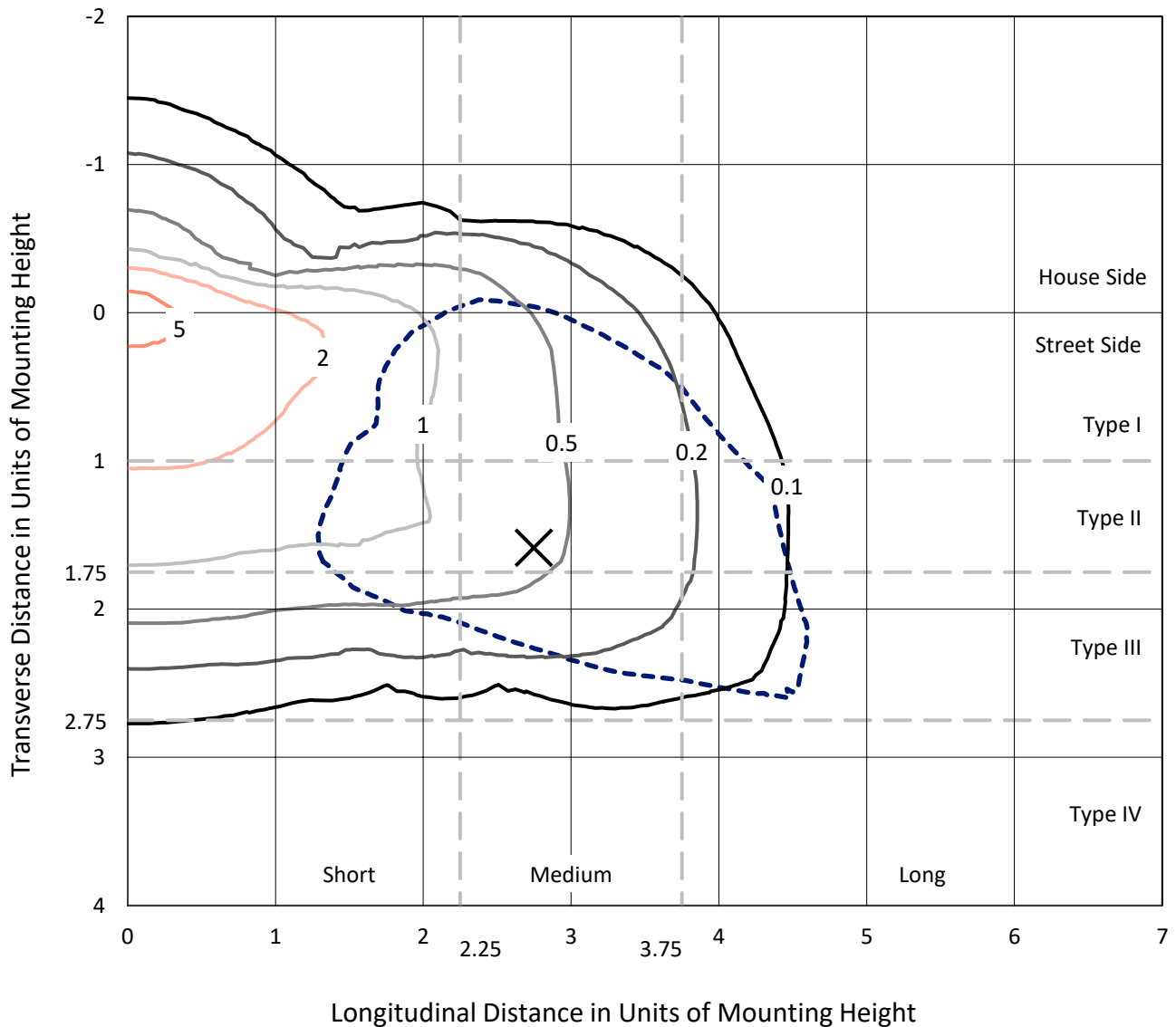
Lumens per Lamp: N/A
Luminaire Lumens: 5640.4 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
Input Voltage (V): 120
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

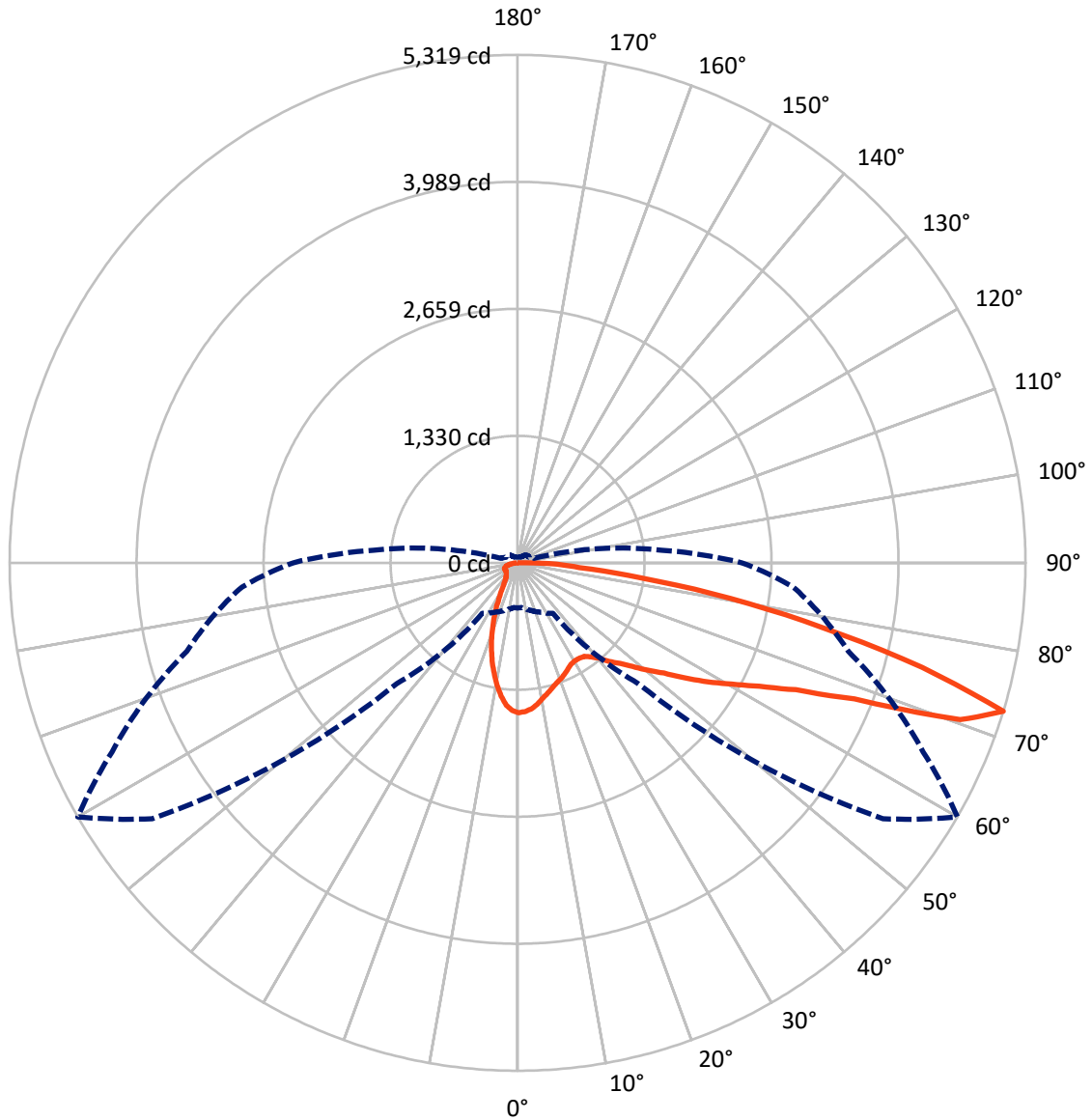
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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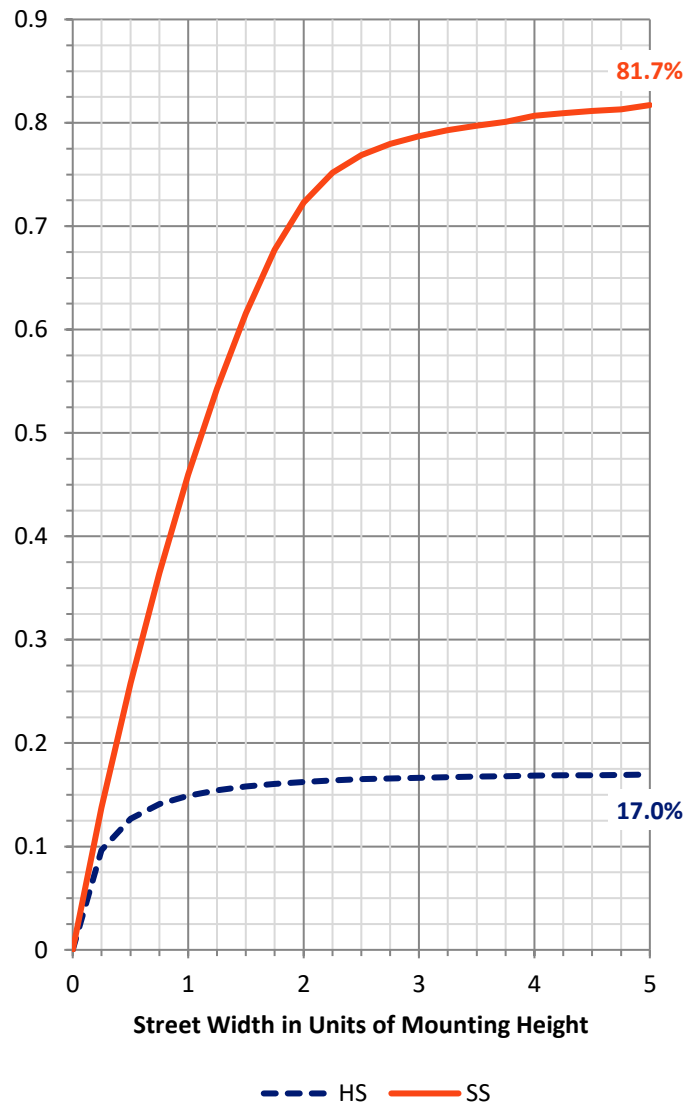
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	969.0	0.0	969.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4671.4	0.0	4671.4
	% Fixture	82.8	0.0	82.8
Total	Lumens	5640.4	0.0	5640.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	2.4
10°-20°	308.7	5.5
20°-30°	395.1	7.0
30°-40°	505.4	9.0
40°-50°	693.2	12.3
50°-60°	1002.6	17.8
60°-70°	1375.4	24.4
70°-80°	1032.1	18.3
80°-90°	191.8	3.4
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°-90°	5640.4	100.0
0°-180°	5640.4	100.0

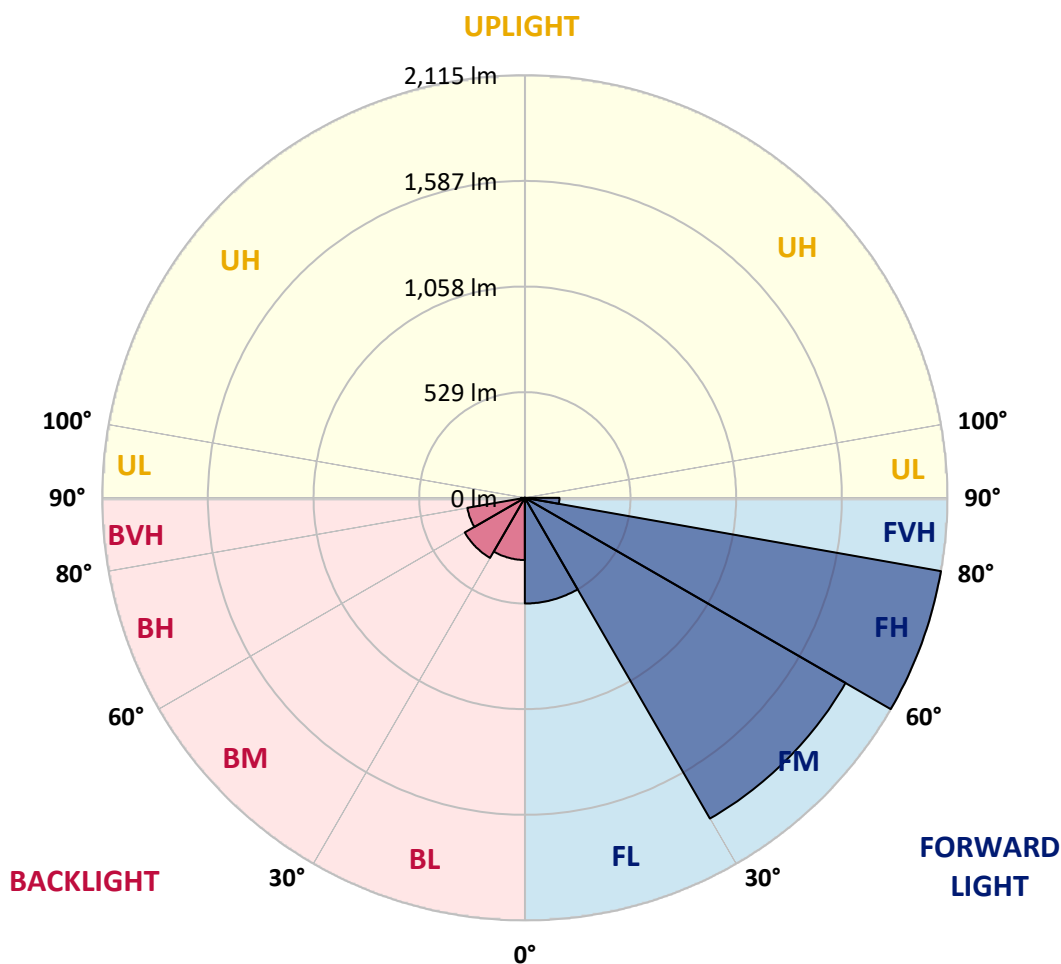


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	528.9	9.4			
FM (30°-60°)	1853.9	32.9			
FH (60°-80°)	2115.5	37.5			G2/5000
FVH (80°-90°)	173.1	3.1			G2/225
BL (0°-30°)	311.0	5.5	B1/500		
BM (30°-60°)	347.2	6.2	B1/1000		
BH (60°-80°)	292.0	5.2	B1/500		G1/500
BVH (80°-90°)	18.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6
2.5°	1537.0	1551.7	1555.9	1555.9	1568.5	1553.8	1574.8	1558.0	1562.2	1568.5	1564.3
5°	1463.5	1488.7	1474.0	1501.3	1490.8	1509.7	1534.9	1534.9	1528.6	1541.2	1530.7
7.5°	1392.1	1383.7	1408.9	1408.9	1425.7	1450.9	1471.9	1492.9	1495.0	1499.2	1497.1
10°	1295.5	1306.0	1318.6	1335.4	1356.4	1381.6	1425.7	1442.5	1446.7	1471.9	1465.6
12.5°	1215.7	1230.4	1238.8	1272.4	1291.3	1327.0	1377.4	1400.5	1402.6	1438.3	1438.3
15°	1156.9	1165.3	1184.2	1196.8	1238.8	1289.2	1337.5	1358.5	1381.6	1419.4	1408.9
17.5°	1117.0	1127.5	1135.9	1152.7	1192.6	1234.6	1310.2	1322.8	1350.1	1404.7	1392.1
20°	1093.9	1096.0	1108.6	1119.1	1154.8	1194.7	1261.9	1295.5	1331.2	1379.5	1366.9
22.5°	1098.1	1089.7	1087.6	1102.3	1108.6	1146.4	1228.3	1264.0	1314.4	1371.1	1350.1
25°	1106.5	1108.6	1104.4	1091.8	1093.9	1127.5	1182.1	1228.3	1285.0	1369.0	1327.0
27.5°	1127.5	1138.0	1121.2	1108.6	1096.0	1108.6	1165.3	1198.9	1261.9	1379.5	1324.9
30°	1148.5	1159.0	1154.8	1135.9	1110.7	1106.5	1146.4	1188.4	1249.3	1387.9	1324.9
32.5°	1180.0	1194.7	1180.0	1186.3	1156.9	1138.0	1152.7	1190.5	1261.9	1417.3	1327.0
35°	1215.7	1228.3	1232.5	1217.8	1211.5	1175.8	1184.2	1203.1	1274.5	1450.9	1348.0
37.5°	1255.6	1270.3	1282.9	1285.0	1264.0	1243.0	1238.8	1249.3	1306.0	1509.7	1371.1
40°	1282.9	1291.3	1316.5	1337.5	1343.8	1314.4	1312.3	1312.3	1362.7	1562.2	1413.1
42.5°	1329.1	1324.9	1360.6	1398.4	1408.9	1392.1	1396.3	1413.1	1442.5	1637.8	1480.3
45°	1352.2	1348.0	1390.0	1453.0	1501.3	1492.9	1497.1	1503.4	1530.7	1757.4	1593.7
47.5°	1383.7	1387.9	1448.8	1520.2	1570.6	1600.0	1623.1	1621.0	1642.0	1879.2	1719.6
50°	1415.2	1423.6	1497.1	1572.7	1660.8	1711.2	1744.8	1767.9	1788.9	2007.3	1864.5
52.5°	1476.1	1484.5	1566.4	1648.3	1761.6	1835.1	1919.1	1917.0	1919.1	2135.4	2009.4
55°	1564.3	1566.4	1614.7	1709.1	1862.4	1996.8	2112.3	2124.9	2089.2	2295.0	2175.3
57.5°	1665.0	1673.4	1715.4	1786.8	1942.2	2152.2	2328.5	2353.7	2257.2	2425.1	2326.4
60°	1759.5	1765.8	1830.9	1912.8	2080.8	2347.4	2546.9	2576.3	2471.3	2584.7	2483.9
62.5°	1652.5	1683.9	1799.4	1986.3	2324.3	2643.5	2824.1	2843.0	2679.2	2746.4	2651.9
65°	1322.8	1343.8	1509.7	1812.0	2341.1	3181.0	3252.4	3202.0	2964.8	2954.3	2906.0
67.5°	737.0	753.8	867.2	1184.2	1971.6	3382.6	4174.2	3804.6	3407.8	3267.1	3250.3
70°	581.6	585.8	600.5	665.6	1093.9	2981.5	4900.7	4917.5	4132.2	3697.5	3323.8
72.5°	472.4	470.3	514.4	571.1	646.7	1788.9	4671.8	5318.5	4686.5	3584.2	2895.5
75°	361.1	367.4	424.1	506.0	592.1	842.0	3485.5	4375.7	4390.4	3340.6	2441.9
77.5°	275.1	277.2	340.1	447.2	579.5	594.2	2274.0	3260.8	3275.5	2586.8	1345.9
80°	205.8	205.8	258.3	377.9	564.8	548.0	1400.5	2261.4	2047.2	909.2	294.0
82.5°	117.6	126.0	172.2	287.7	512.3	527.0	789.5	1295.5	865.1	247.8	136.5
85°	63.0	65.1	105.0	193.2	422.0	503.9	602.6	644.6	344.3	132.3	63.0
87.5°	23.1	23.1	48.3	98.7	266.7	373.7	478.7	411.5	197.4	60.9	31.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6	1570.6
2.5°	1568.5	1560.1	1553.8	1560.1	1537.0	1526.5	1539.1	1532.8	1520.2	1513.9	1509.7
5°	1537.0	1526.5	1516.0	1509.7	1484.5	1459.3	1446.7	1421.5	1400.5	1406.8	1394.2
7.5°	1503.4	1492.9	1461.4	1432.0	1381.6	1331.2	1308.1	1272.4	1259.8	1249.3	1243.0
10°	1461.4	1442.5	1394.2	1335.4	1261.9	1205.2	1146.4	1104.4	1060.3	1041.4	1047.7
12.5°	1408.9	1398.4	1322.8	1232.5	1129.6	1035.1	965.9	898.7	839.9	808.4	800.0
15°	1385.8	1354.3	1245.1	1125.4	995.2	877.7	774.8	657.2	587.9	554.3	554.3
17.5°	1360.6	1301.8	1171.6	1007.8	858.8	707.6	562.7	455.6	401.0	382.1	382.1
20°	1320.7	1255.6	1085.5	896.6	716.0	533.3	403.1	344.3	327.6	315.0	317.1
22.5°	1291.3	1211.5	1005.7	787.4	566.9	396.8	317.1	298.2	291.9	287.7	289.8
25°	1257.7	1159.0	921.8	669.8	445.1	312.9	275.1	266.7	270.9	273.0	273.0
27.5°	1230.4	1114.9	835.7	543.8	335.9	264.6	247.8	245.7	254.1	258.3	260.4
30°	1211.5	1075.0	751.7	428.3	268.8	235.2	226.8	226.8	237.3	241.5	243.6
32.5°	1192.6	1041.4	661.4	327.6	228.9	210.0	207.9	210.0	216.3	216.3	218.4
35°	1198.9	1009.9	575.3	264.6	205.8	193.2	193.2	193.2	195.3	197.4	197.4
37.5°	1211.5	1001.5	482.9	222.6	189.0	180.6	180.6	178.5	180.6	178.5	180.6
40°	1224.1	989.0	398.9	197.4	178.5	172.2	170.1	165.9	163.8	163.8	165.9
42.5°	1276.6	1005.7	327.6	180.6	170.1	165.9	159.6	155.4	153.3	153.3	153.3
45°	1343.8	1037.2	270.9	172.2	163.8	153.3	149.1	147.0	142.8	144.9	147.0
47.5°	1444.6	1085.5	237.3	165.9	157.5	144.9	140.7	136.5	136.5	140.7	140.7
50°	1576.9	1165.3	216.3	159.6	151.2	138.6	132.3	130.2	130.2	136.5	136.5
52.5°	1719.6	1257.7	207.9	157.5	144.9	132.3	126.0	123.9	123.9	132.3	132.3
55°	1862.4	1371.1	214.2	157.5	140.7	126.0	119.7	115.5	117.6	123.9	123.9
57.5°	2019.9	1492.9	245.7	157.5	136.5	123.9	115.5	109.2	111.3	113.4	113.4
60°	2192.1	1652.5	300.3	157.5	134.4	119.7	109.2	100.8	100.8	102.9	102.9
62.5°	2366.3	1809.9	377.9	159.6	136.5	117.6	100.8	92.4	90.3	92.4	92.4
65°	2595.2	2061.9	455.6	159.6	142.8	113.4	94.5	84.0	81.9	81.9	84.0
67.5°	2916.5	2242.5	352.7	153.3	147.0	113.4	88.2	77.7	73.5	73.5	73.5
70°	2746.4	1891.8	224.7	142.8	140.7	117.6	84.0	71.4	67.2	65.1	65.1
72.5°	2351.6	1513.9	180.6	134.4	130.2	115.5	79.8	67.2	60.9	58.8	58.8
75°	1885.5	1194.7	157.5	121.8	113.4	96.6	73.5	60.9	56.7	52.5	52.5
77.5°	923.9	499.7	119.7	107.1	96.6	73.5	65.1	56.7	50.4	46.2	46.2
80°	231.0	174.3	88.2	84.0	71.4	56.7	52.5	48.3	44.1	39.9	39.9
82.5°	123.9	102.9	63.0	56.7	48.3	39.9	39.9	37.8	35.7	31.5	29.4
85°	63.0	60.9	42.0	37.8	31.5	25.2	27.3	27.3	25.2	18.9	18.9
87.5°	33.6	33.6	21.0	16.8	14.7	12.6	12.6	12.6	10.5	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)