

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: P676855

Luminaire Tested: **CCW-SA-1F-740-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676855
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-740-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

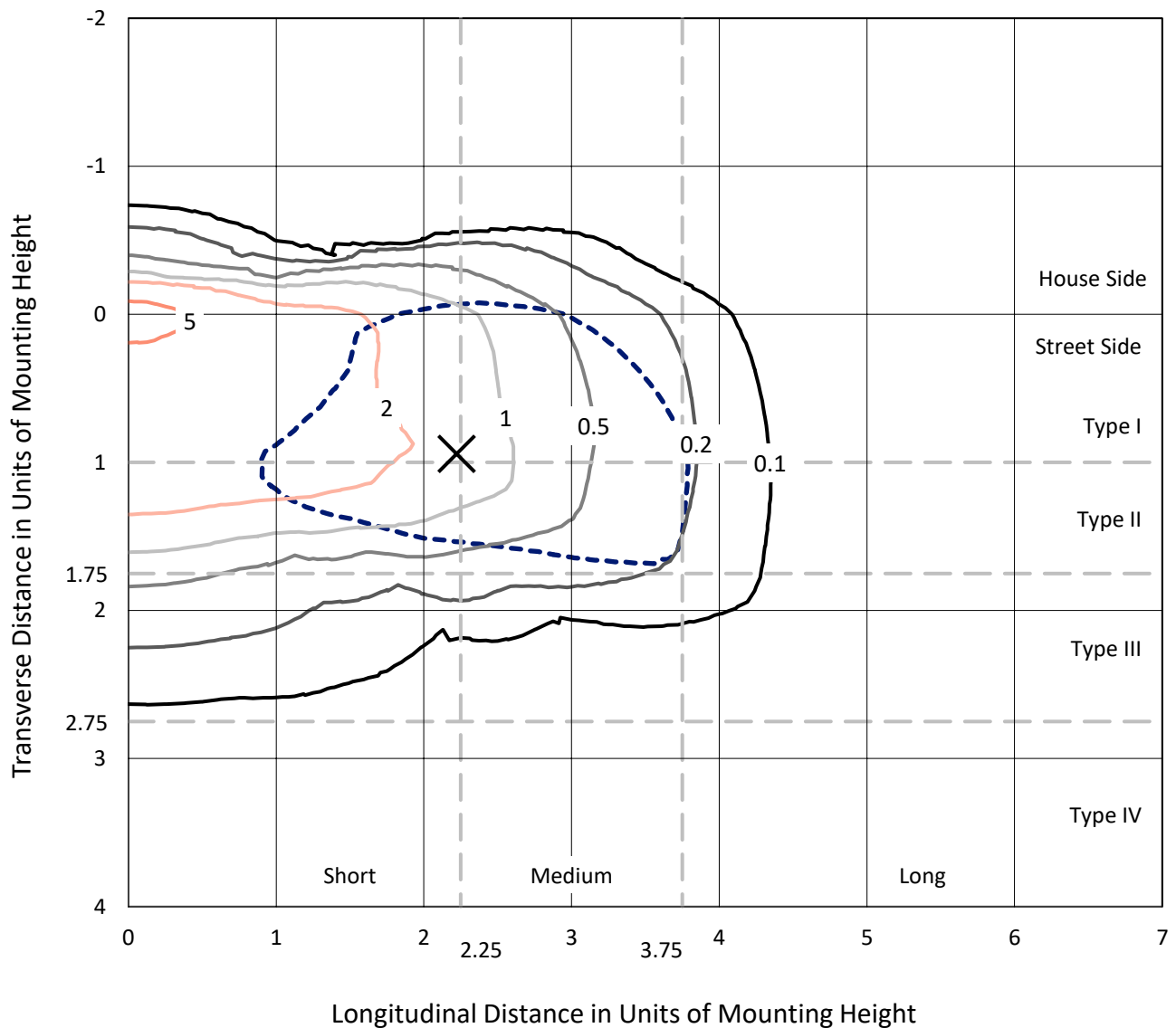
Lumens per Lamp: N/A
Luminaire Lumens: 6029.3 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

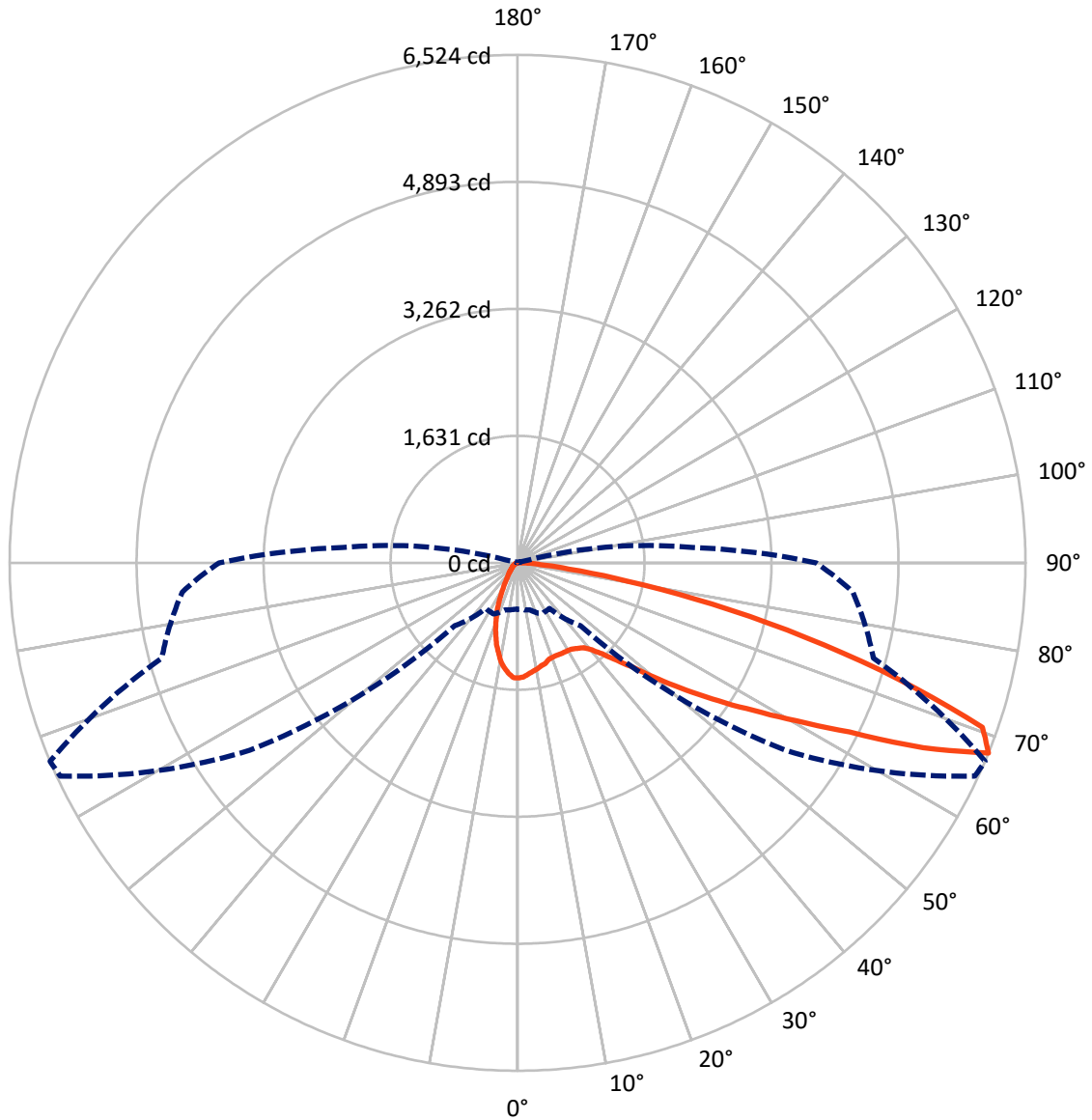
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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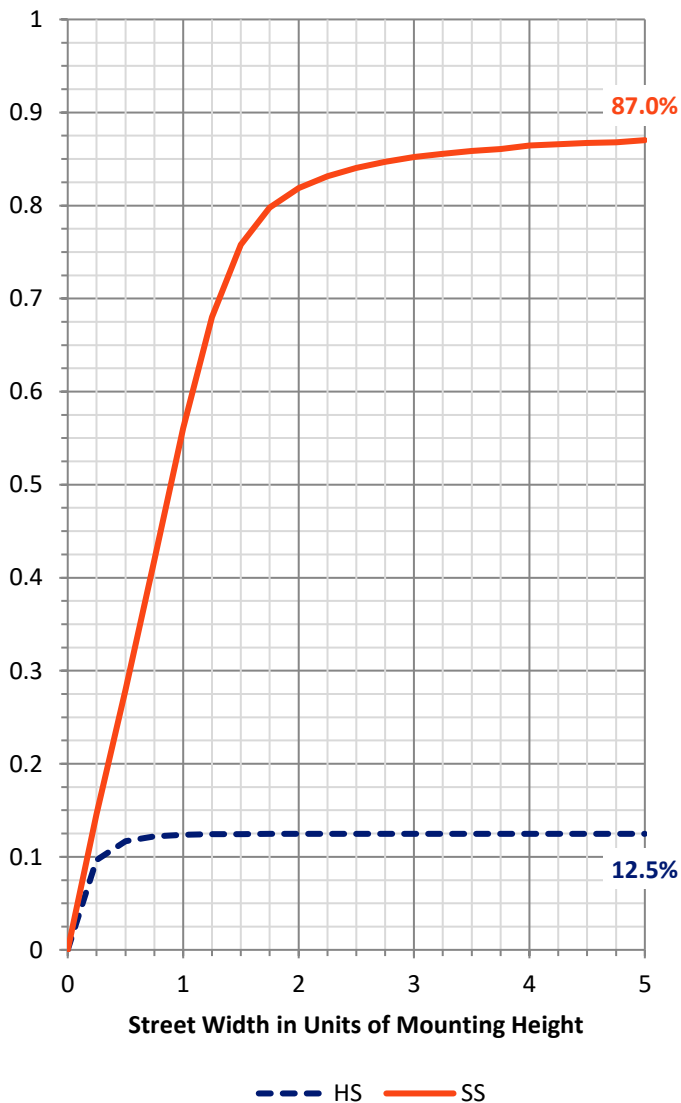
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.8	0.0	758.8
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	5270.5	0.0	5270.5
	% Fixture	87.4	0.0	87.4
Total	Lumens	6029.3	0.0	6029.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	2.1
10°-20°	276.8	4.6
20°-30°	393.6	6.5
30°-40°	573.1	9.5
40°-50°	887.0	14.7
50°-60°	1361.3	22.6
60°-70°	1475.7	24.5
70°-80°	832.5	13.8
80°-90°	104.6	1.7
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°	6029.3	100.0
0°-180°	6029.3	100.0

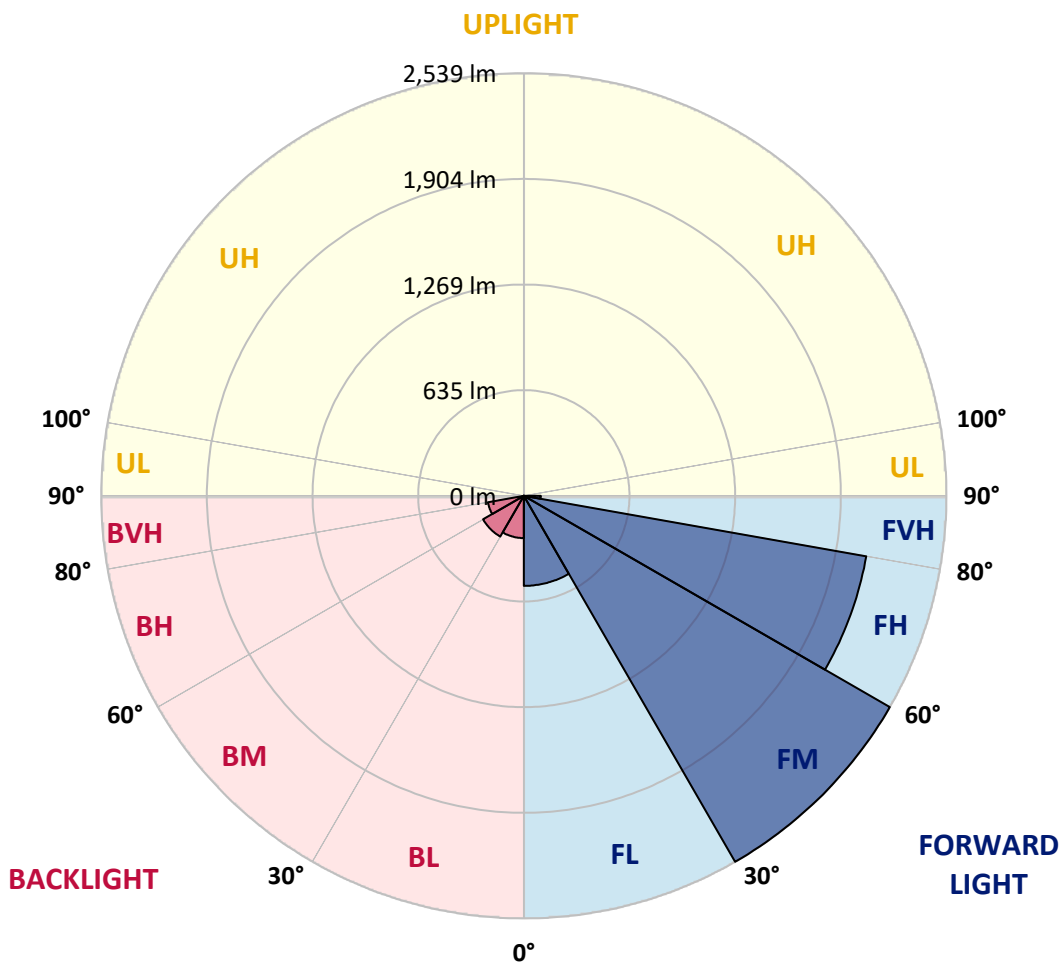


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.0	9.0			
FM (30°-60°)	2538.9	42.1			
FH (60°-80°)	2089.0	34.6			G2/5000
FVH (80°-90°)	101.6	1.7			G2/225
BL (0°-30°)	254.0	4.2	B1/500		
BM (30°-60°)	282.6	4.7	B1/1000		
BH (60°-80°)	219.2	3.6	B1/500		G1/500
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9
2.5°	1415.0	1422.2	1432.4	1446.9	1457.1	1451.3	1455.6	1480.3	1467.3	1478.9	1473.1
5°	1336.5	1343.8	1358.3	1356.8	1368.5	1390.3	1419.3	1451.3	1436.7	1471.6	1484.7
7.5°	1255.2	1252.3	1252.3	1282.8	1307.5	1338.0	1353.9	1406.2	1407.7	1438.2	1470.2
10°	1181.1	1189.8	1204.3	1215.9	1239.2	1282.8	1329.2	1369.9	1385.9	1446.9	1455.6
12.5°	1136.0	1140.4	1157.8	1168.0	1198.5	1240.6	1290.0	1342.3	1355.4	1417.9	1460.0
15°	1117.1	1127.3	1133.1	1152.0	1168.0	1207.2	1243.5	1303.1	1340.9	1390.3	1442.6
17.5°	1131.7	1127.3	1130.2	1136.0	1154.9	1189.8	1229.0	1288.6	1301.6	1384.4	1462.9
20°	1150.6	1152.0	1143.3	1140.4	1136.0	1169.4	1201.4	1278.4	1292.9	1384.4	1476.0
22.5°	1201.4	1185.4	1201.4	1178.2	1154.9	1169.4	1200.0	1279.9	1290.0	1383.0	1489.0
25°	1263.9	1266.8	1271.1	1221.7	1188.3	1178.2	1210.1	1284.2	1292.9	1394.6	1494.9
27.5°	1352.5	1365.6	1343.8	1319.1	1252.3	1201.4	1208.7	1281.3	1297.3	1388.8	1509.4
30°	1471.6	1461.4	1464.3	1407.7	1342.3	1262.4	1242.1	1288.6	1300.2	1396.1	1537.0
32.5°	1574.8	1563.1	1583.5	1563.1	1460.0	1349.6	1281.3	1303.1	1316.2	1413.5	1560.2
35°	1638.7	1653.2	1685.2	1707.0	1619.8	1462.9	1346.7	1342.3	1348.1	1422.2	1577.7
37.5°	1737.5	1763.6	1789.8	1845.0	1769.4	1602.4	1449.8	1393.2	1383.0	1464.3	1586.4
40°	1845.0	1837.7	1914.7	1980.1	1977.2	1798.5	1593.6	1483.2	1468.7	1531.2	1644.5
42.5°	1935.0	1927.8	2013.5	2121.0	2132.6	1987.3	1757.8	1611.1	1598.0	1634.3	1715.7
45°	2052.7	2058.5	2160.2	2288.0	2330.2	2237.2	1980.1	1794.1	1786.9	1775.2	1850.8
47.5°	2157.3	2189.3	2276.4	2427.5	2580.0	2495.8	2241.6	2061.4	2010.6	1984.4	2060.0
50°	2229.9	2259.0	2365.0	2526.3	2805.2	2859.0	2535.0	2346.2	2347.6	2283.7	2324.4
52.5°	2229.9	2228.5	2314.2	2526.3	2962.1	3238.1	2927.2	2705.0	2716.6	2649.8	2652.7
55°	2014.9	2010.6	2115.2	2340.3	2944.7	3602.8	3521.4	3159.7	3130.6	3001.3	3014.4
57.5°	1622.7	1632.9	1712.8	1983.0	2718.1	3772.7	4228.9	3671.0	3572.3	3305.0	3305.0
60°	1184.0	1175.3	1234.8	1423.7	2177.6	3708.8	4810.0	4273.9	4118.5	3556.3	3518.5
62.5°	900.7	899.2	915.2	979.1	1381.5	3233.8	5059.9	5041.0	4788.2	3803.2	3749.5
65°	727.8	730.7	752.5	797.5	844.0	2205.2	4927.7	5956.2	5725.2	4170.8	3995.0
67.5°	594.2	601.4	627.6	724.9	714.7	1141.8	4196.9	6480.6	6524.2	4731.5	4324.8
70°	457.6	469.2	499.7	637.7	688.6	759.8	2909.8	6219.1	6335.3	5080.2	4125.7
72.5°	310.9	309.4	374.8	517.2	695.9	695.9	1619.8	5009.0	5119.4	4683.6	3583.9
75°	168.5	178.7	248.4	390.8	637.7	672.6	922.5	3665.2	3820.7	3642.0	2771.8
77.5°	91.5	93.0	138.0	255.7	530.2	642.1	616.0	2492.9	2553.9	2196.5	1518.1
80°	47.9	49.4	72.6	167.1	366.1	595.6	512.8	1486.1	1428.0	842.6	501.2
82.5°	21.8	23.2	36.3	104.6	233.9	469.2	443.1	717.6	662.4	235.3	152.5
85°	8.7	8.7	16.0	62.5	136.6	231.0	379.2	360.3	300.7	71.2	75.5
87.5°	2.9	2.9	4.4	24.7	55.2	138.0	201.9	190.3	130.7	26.1	40.7
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°	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9	1478.9
2.5°	1467.3	1483.2	1478.9	1476.0	1448.4	1445.5	1442.6	1416.4	1425.1	1403.3	1417.9
5°	1476.0	1484.7	1461.4	1417.9	1378.6	1335.1	1301.6	1278.4	1236.3	1220.3	1217.4
7.5°	1467.3	1467.3	1419.3	1349.6	1272.6	1201.4	1111.3	1047.4	999.5	963.2	976.2
10°	1455.6	1438.2	1388.8	1265.3	1125.9	1018.4	889.1	794.6	723.5	700.2	685.7
12.5°	1455.6	1425.1	1314.7	1146.2	966.1	803.4	649.4	525.9	457.6	416.9	411.1
15°	1442.6	1397.5	1261.0	1034.3	810.6	589.8	414.0	308.0	249.9	233.9	228.1
17.5°	1445.5	1391.7	1181.1	902.1	629.0	392.2	252.8	194.7	180.1	172.9	174.3
20°	1451.3	1391.7	1109.9	772.9	453.3	244.1	174.3	164.2	156.9	154.0	155.4
22.5°	1470.2	1364.1	1037.2	640.7	306.5	175.8	154.0	143.8	138.0	133.7	132.2
25°	1473.1	1359.8	967.5	509.9	210.6	148.2	135.1	123.5	116.2	110.4	109.0
27.5°	1468.7	1340.9	870.2	379.2	158.3	132.2	114.8	103.1	93.0	88.6	87.2
30°	1484.7	1306.0	787.4	273.1	133.7	114.8	97.3	84.3	75.5	69.7	69.7
32.5°	1486.1	1275.5	695.9	194.7	122.0	101.7	82.8	68.3	59.6	56.7	56.7
35°	1487.6	1247.9	594.2	148.2	109.0	87.2	68.3	56.7	50.8	46.5	46.5
37.5°	1492.0	1227.6	501.2	124.9	97.3	74.1	56.7	46.5	40.7	39.2	39.2
40°	1500.7	1200.0	403.9	110.4	84.3	62.5	47.9	39.2	33.4	32.0	30.5
42.5°	1523.9	1192.7	322.5	98.8	75.5	52.3	39.2	32.0	27.6	24.7	23.2
45°	1619.8	1211.6	249.9	91.5	63.9	43.6	33.4	26.1	20.3	18.9	17.4
47.5°	1776.7	1274.0	197.6	81.4	53.8	36.3	27.6	20.3	16.0	14.5	13.1
50°	2014.9	1416.4	161.3	72.6	45.0	30.5	21.8	16.0	11.6	10.2	10.2
52.5°	2327.3	1608.2	139.5	63.9	36.3	26.1	17.4	11.6	8.7	7.3	7.3
55°	2646.9	1834.8	130.7	55.2	30.5	21.8	13.1	8.7	5.8	4.4	4.4
57.5°	2940.3	1981.5	126.4	45.0	26.1	16.0	10.2	5.8	2.9	1.5	1.5
60°	3123.4	2089.0	113.3	36.3	20.3	13.1	7.3	2.9	1.5	0.0	0.0
62.5°	3364.5	2198.0	93.0	27.6	14.5	8.7	4.4	1.5	0.0	0.0	0.0
65°	3682.7	2320.0	72.6	21.8	11.6	5.8	2.9	1.5	0.0	0.0	0.0
67.5°	3835.2	2256.1	49.4	16.0	7.3	2.9	1.5	0.0	0.0	0.0	0.0
70°	3530.1	1900.2	34.9	11.6	4.4	1.5	1.5	0.0	0.0	0.0	0.0
72.5°	2967.9	1489.0	26.1	7.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0
75°	2187.8	931.2	20.3	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1160.7	347.2	14.5	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	342.8	101.7	10.2	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	113.3	30.5	5.8	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	58.1	11.6	2.9	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.4	4.4	2.9	2.9	1.5	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

(END OF REPORT)