

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: P676443

Luminaire Tested: **CCW-SA-1D-760-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676443
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-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

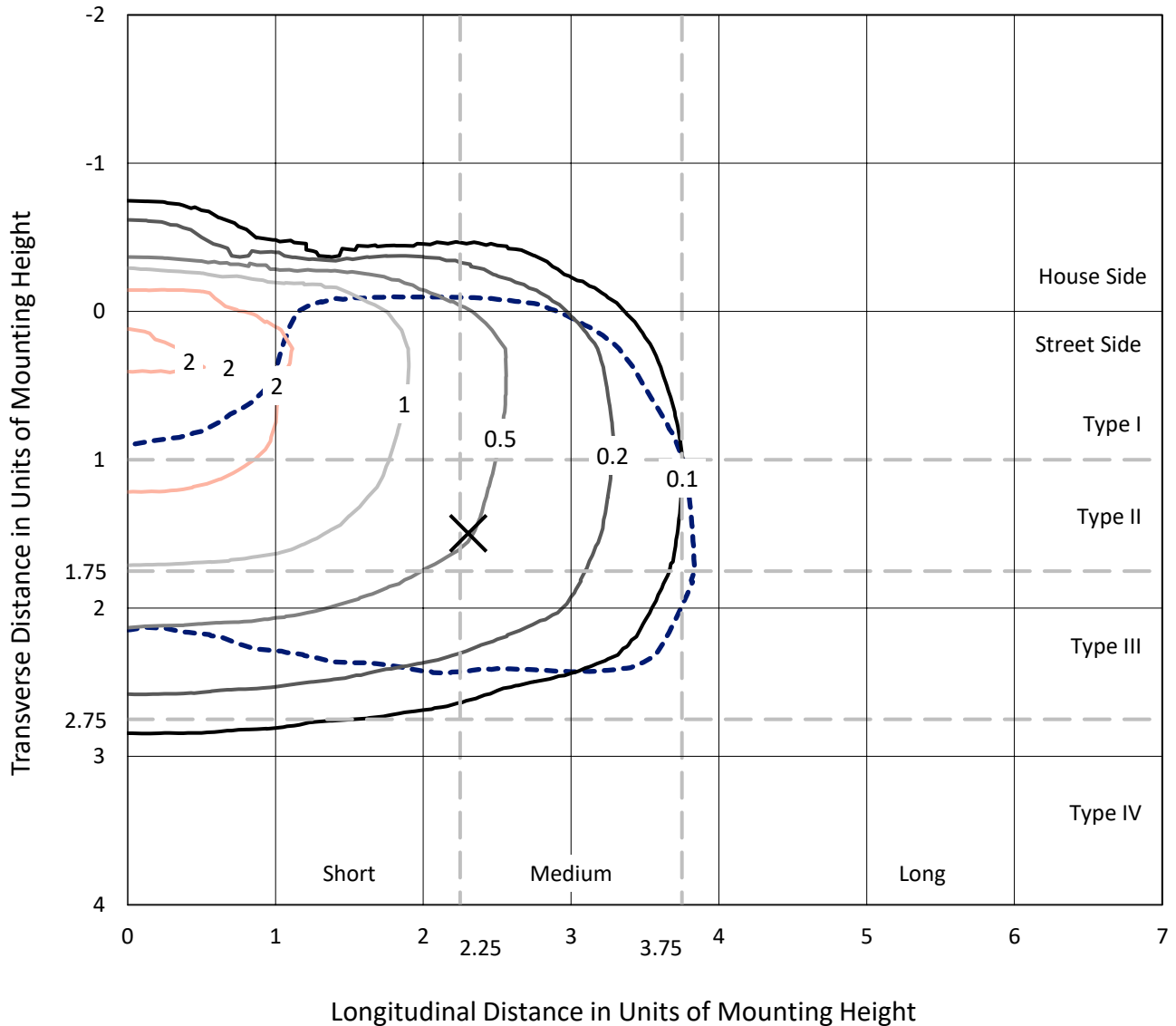
Lumens per Lamp: N/A
Luminaire Lumens: 4109.6 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

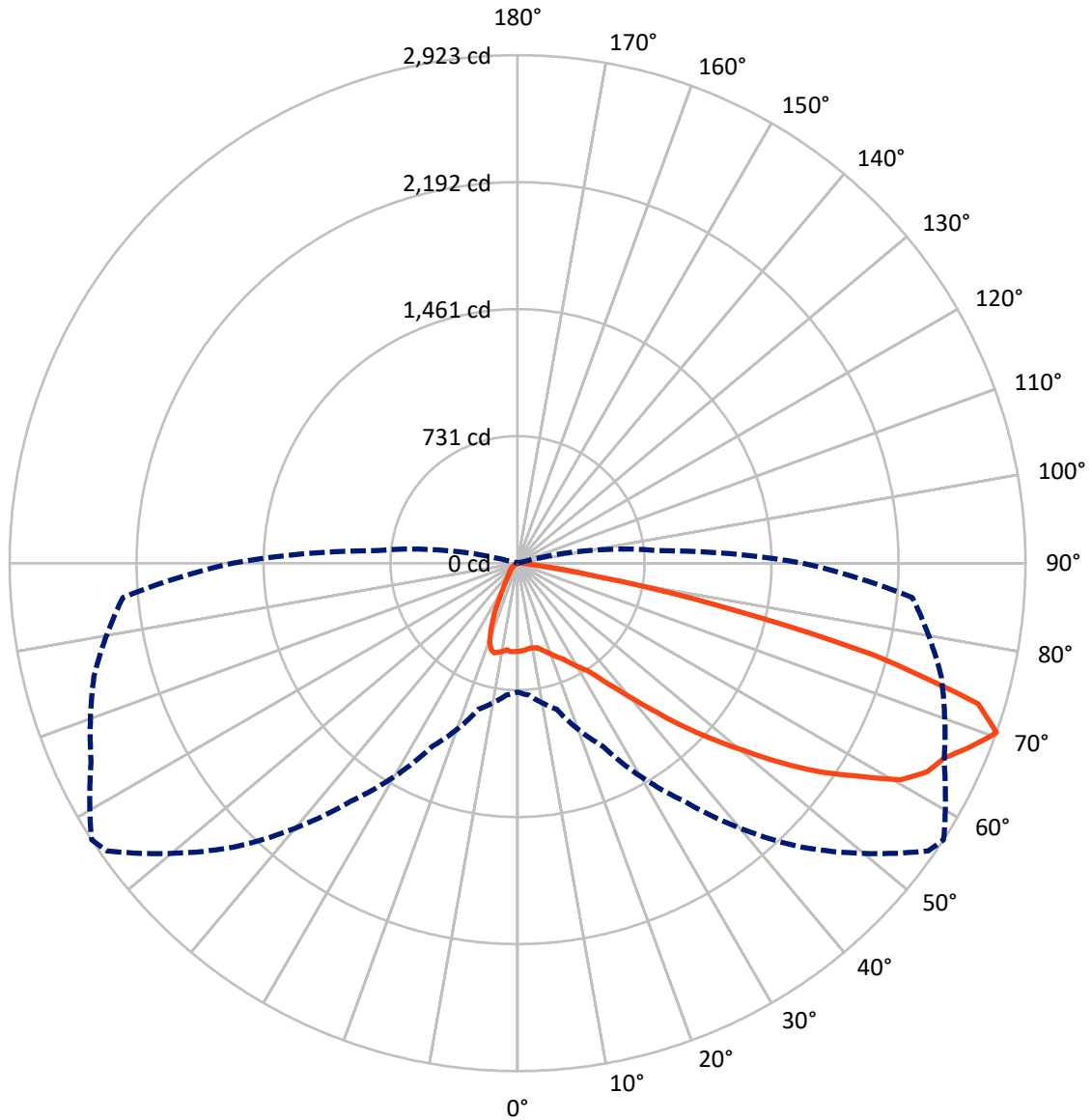
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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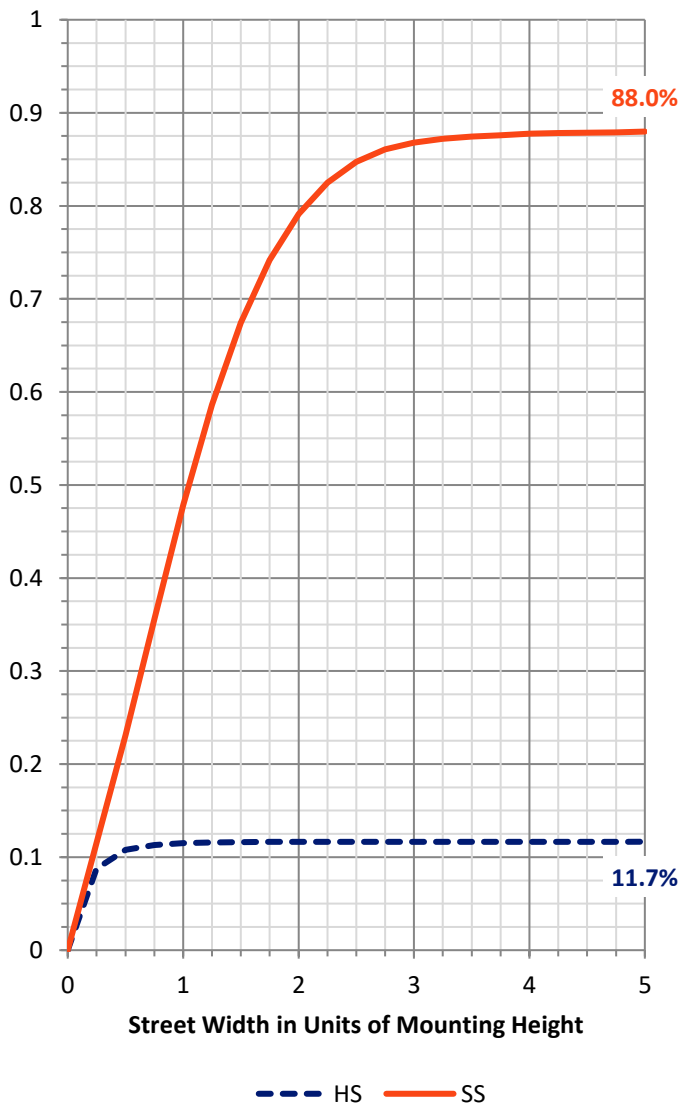
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	484.4	0.0	484.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3625.2	0.0	3625.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	4109.6	0.0	4109.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.2
10°-20°	132.5	3.2
20°-30°	223.2	5.4
30°-40°	381.9	9.3
40°-50°	641.3	15.6
50°-60°	984.4	24.0
60°-70°	1136.6	27.7
70°-80°	536.9	13.1
80°-90°	25.5	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°-90°	4109.6	100.0
0°-180°	4109.6	100.0

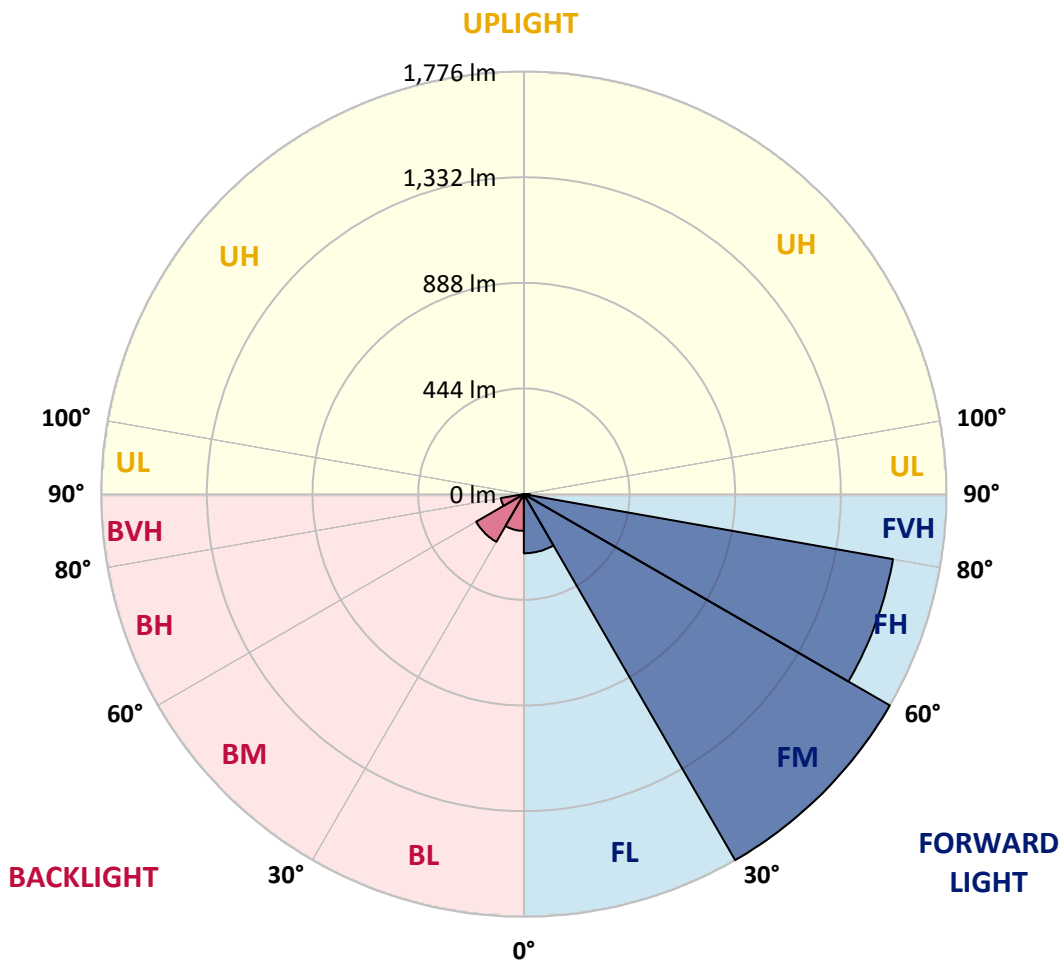


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.6	6.0			
FM (30°-60°)	1776.1	43.2			
FH (60°-80°)	1575.5	38.3			G1/1800
FVH (80°-90°)	25.0	0.6			G1/100
BL (0°-30°)	154.4	3.8	B1/500		
BM (30°-60°)	231.5	5.6	B1/1000		
BH (60°-80°)	98.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1
2.5°	499.7	496.6	499.7	503.9	499.7	502.9	501.8	505.0	500.8	500.8	503.9
5°	467.2	472.4	474.5	479.8	485.0	494.5	500.8	500.8	507.1	510.2	514.4
7.5°	455.6	447.2	455.6	459.8	465.1	480.8	490.3	494.5	502.9	514.4	520.7
10°	438.8	445.1	445.1	458.8	466.1	475.6	492.4	495.5	514.4	526.0	532.3
12.5°	437.8	437.8	443.0	452.5	467.2	485.0	506.0	499.7	519.7	540.7	551.2
15°	440.9	448.3	448.3	460.9	472.4	497.6	515.5	516.5	544.9	565.9	575.3
17.5°	454.6	451.4	455.6	463.0	480.8	505.0	534.4	537.5	570.1	598.4	612.1
20°	482.9	488.2	481.9	477.7	485.0	516.5	554.3	560.6	597.4	624.7	638.3
22.5°	589.0	584.8	559.6	530.2	517.6	532.3	573.2	587.9	631.0	663.5	675.1
25°	708.7	701.3	671.9	627.8	570.1	563.8	611.0	611.0	673.0	708.7	705.5
27.5°	822.0	819.9	785.3	739.1	657.2	612.1	641.5	653.0	720.2	749.6	735.9
30°	937.5	939.6	908.1	852.5	766.4	689.8	684.5	694.0	755.9	802.1	773.7
32.5°	1071.9	1053.0	1031.0	954.3	875.6	789.5	740.1	735.9	795.8	837.8	800.0
35°	1191.6	1180.0	1155.9	1086.6	996.3	893.4	824.1	813.6	846.2	901.8	860.9
37.5°	1296.6	1285.0	1253.5	1207.3	1137.0	1022.6	924.9	909.2	922.8	981.6	932.3
40°	1386.9	1390.0	1381.6	1336.5	1271.4	1167.4	1055.1	1029.9	1018.4	1070.8	1015.2
42.5°	1451.9	1482.4	1484.5	1428.8	1376.4	1319.7	1193.7	1173.7	1146.4	1190.5	1151.7
45°	1588.4	1571.6	1582.1	1562.2	1504.4	1496.0	1353.3	1341.7	1303.9	1318.6	1277.7
47.5°	1695.5	1692.4	1712.3	1679.8	1664.0	1665.1	1534.9	1514.9	1461.4	1488.7	1442.5
50°	1757.5	1740.7	1813.1	1838.3	1835.1	1847.7	1718.6	1701.8	1650.4	1690.3	1591.6
52.5°	1772.2	1802.6	1870.8	1962.2	2001.0	2027.3	1919.1	1912.8	1857.2	1882.4	1745.9
55°	1808.9	1838.3	1878.2	2028.3	2172.1	2178.4	2116.5	2122.8	2073.5	2067.2	1892.9
57.5°	1807.8	1801.5	1911.8	2086.1	2285.5	2375.8	2342.2	2311.8	2258.2	2196.3	1987.4
60°	1741.7	1738.6	1853.0	2093.4	2347.5	2554.3	2567.9	2532.2	2397.9	2306.5	2098.7
62.5°	1610.5	1623.1	1738.6	2030.4	2406.3	2618.3	2668.7	2644.6	2477.7	2380.0	2229.9
65°	1460.3	1434.1	1568.5	1872.9	2274.0	2599.4	2708.6	2700.2	2572.1	2459.8	2350.6
67.5°	1171.6	1183.2	1286.1	1611.5	2048.3	2530.1	2802.1	2814.7	2647.7	2530.1	2387.4
70°	742.2	763.2	870.3	1164.3	1672.4	2311.8	2886.0	2922.8	2707.6	2523.8	2280.3
72.5°	216.3	224.7	370.6	580.6	1065.6	1854.0	2751.7	2770.6	2591.0	2290.8	1763.8
75°	71.4	75.6	109.2	189.0	417.8	958.5	2032.5	2121.8	2061.9	1660.9	1008.9
77.5°	47.2	49.3	59.8	90.3	158.5	300.3	1089.7	1185.3	1162.2	777.9	325.5
80°	34.6	35.7	44.1	60.9	96.6	108.1	402.1	465.1	449.3	178.5	65.1
82.5°	22.0	22.0	32.5	43.0	60.9	53.5	116.5	129.1	126.0	68.2	25.2
85°	14.7	15.7	24.1	33.6	33.6	25.2	33.6	38.8	42.0	36.7	11.5
87.5°	4.2	5.2	13.6	23.1	13.6	12.6	11.5	12.6	14.7	19.9	6.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1	507.1
2.5°	507.1	511.3	510.2	512.3	509.2	506.0	509.2	509.2	509.2	506.0	503.9
5°	511.3	509.2	511.3	507.1	511.3	507.1	505.0	498.7	497.6	497.6	501.8
7.5°	517.6	519.7	510.2	510.2	500.8	502.9	497.6	498.7	496.6	493.4	491.3
10°	527.0	535.4	526.0	522.8	512.3	503.9	491.3	485.0	485.0	480.8	485.0
12.5°	553.3	550.1	544.9	534.4	521.8	505.0	474.5	444.1	418.9	400.0	409.4
15°	574.3	573.2	565.9	545.9	529.1	477.7	401.0	322.3	280.3	261.4	258.3
17.5°	606.8	603.7	591.1	564.8	509.2	395.8	275.1	208.9	168.0	158.5	155.4
20°	637.3	636.2	608.9	575.3	458.8	288.7	179.5	137.5	126.0	127.0	124.9
22.5°	669.8	664.6	632.0	562.7	365.3	192.1	128.1	122.8	118.6	117.6	119.7
25°	706.6	687.7	655.1	534.4	268.8	132.3	120.7	116.5	112.3	111.3	111.3
27.5°	721.2	708.7	665.6	466.1	170.1	115.5	113.4	108.1	102.9	99.7	98.7
30°	754.8	733.8	676.1	366.4	120.7	106.0	102.9	96.6	89.2	84.0	84.0
32.5°	788.4	763.2	677.2	256.2	100.8	95.5	90.3	81.9	72.4	67.2	68.2
35°	830.4	795.8	665.6	165.9	90.3	84.0	73.5	64.0	55.6	51.4	51.4
37.5°	901.8	869.3	618.4	109.2	81.9	71.4	60.9	50.4	43.0	39.9	39.9
40°	992.1	950.1	553.3	86.1	72.4	60.9	48.3	38.8	34.6	31.5	31.5
42.5°	1100.2	1047.8	456.7	76.6	64.0	50.4	37.8	30.4	26.2	26.2	25.2
45°	1208.4	1122.3	358.0	70.3	56.7	42.0	29.4	24.1	22.0	21.0	21.0
47.5°	1362.7	1212.6	256.2	64.0	49.3	32.5	24.1	19.9	17.8	16.8	17.8
50°	1510.7	1297.6	181.6	57.7	40.9	26.2	19.9	17.8	15.7	14.7	14.7
52.5°	1640.9	1356.4	127.0	50.4	34.6	22.0	17.8	15.7	14.7	13.6	13.6
55°	1712.3	1336.5	87.1	43.0	28.3	18.9	15.7	13.6	12.6	11.5	11.5
57.5°	1785.8	1280.8	66.1	35.7	23.1	17.8	14.7	12.6	11.5	10.5	10.5
60°	1847.7	1239.9	51.4	28.3	18.9	14.7	12.6	10.5	9.4	8.4	7.3
62.5°	1850.9	1158.0	37.8	21.0	14.7	12.6	10.5	8.4	5.2	4.2	3.1
65°	1863.5	1071.9	27.3	15.7	10.5	9.4	7.3	4.2	2.1	0.0	0.0
67.5°	1819.4	970.1	22.0	11.5	7.3	5.2	3.1	1.0	0.0	0.0	0.0
70°	1639.9	818.9	16.8	8.4	5.2	3.1	1.0	0.0	0.0	0.0	0.0
72.5°	1173.7	532.3	11.5	6.3	2.1	1.0	0.0	0.0	0.0	0.0	0.0
75°	625.7	226.8	8.4	4.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	196.3	57.7	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.0	15.7	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.7	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.0	1.0	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

(END OF REPORT)