

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: P676412

Luminaire Tested: **CCW-SA-1F-735-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676412
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

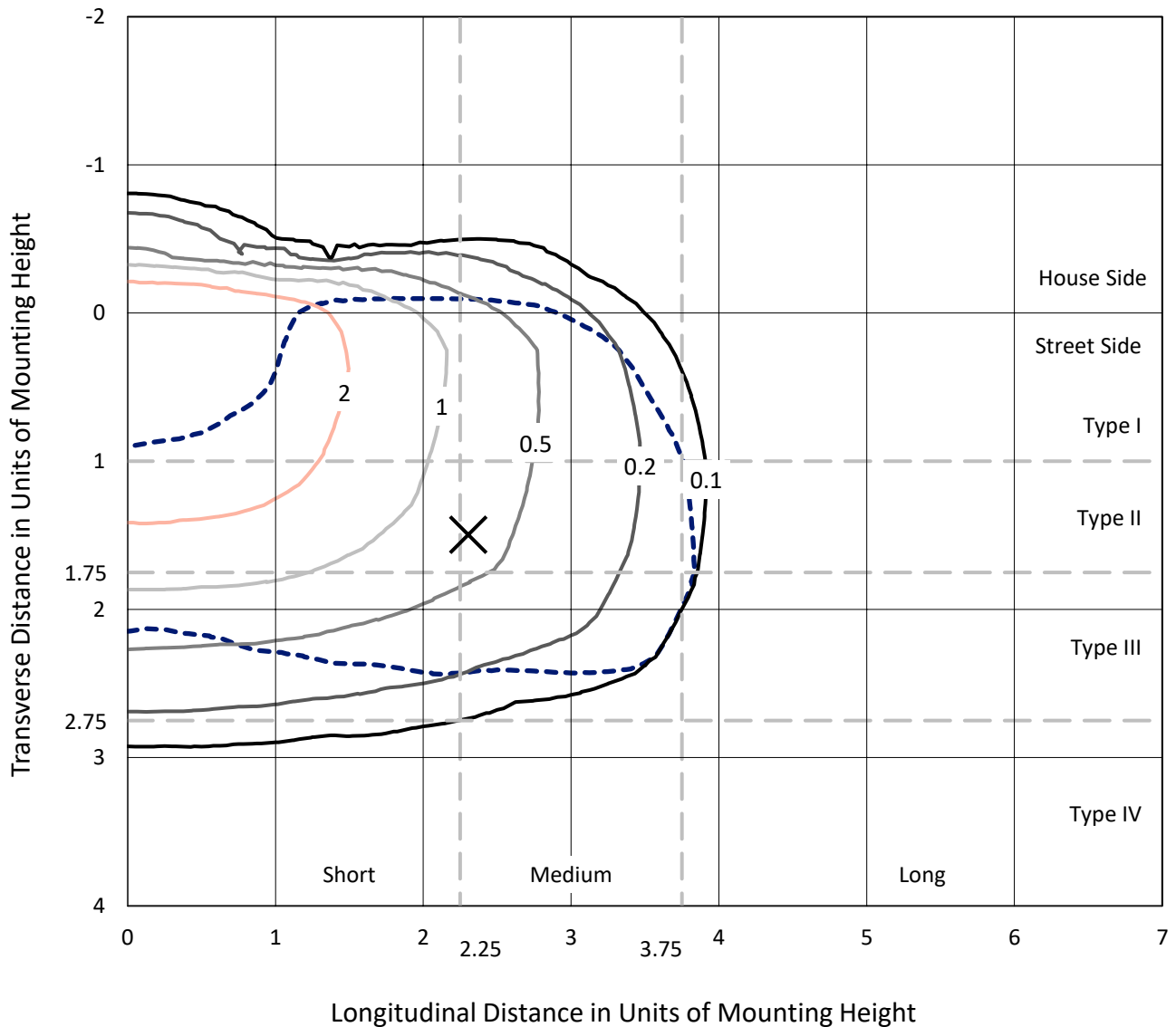
Lumens per Lamp: N/A
Luminaire Lumens: 5327.4 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

REPORT NUMBER: P676412
 CATALOG NUMBER: CCW-SA-1F-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

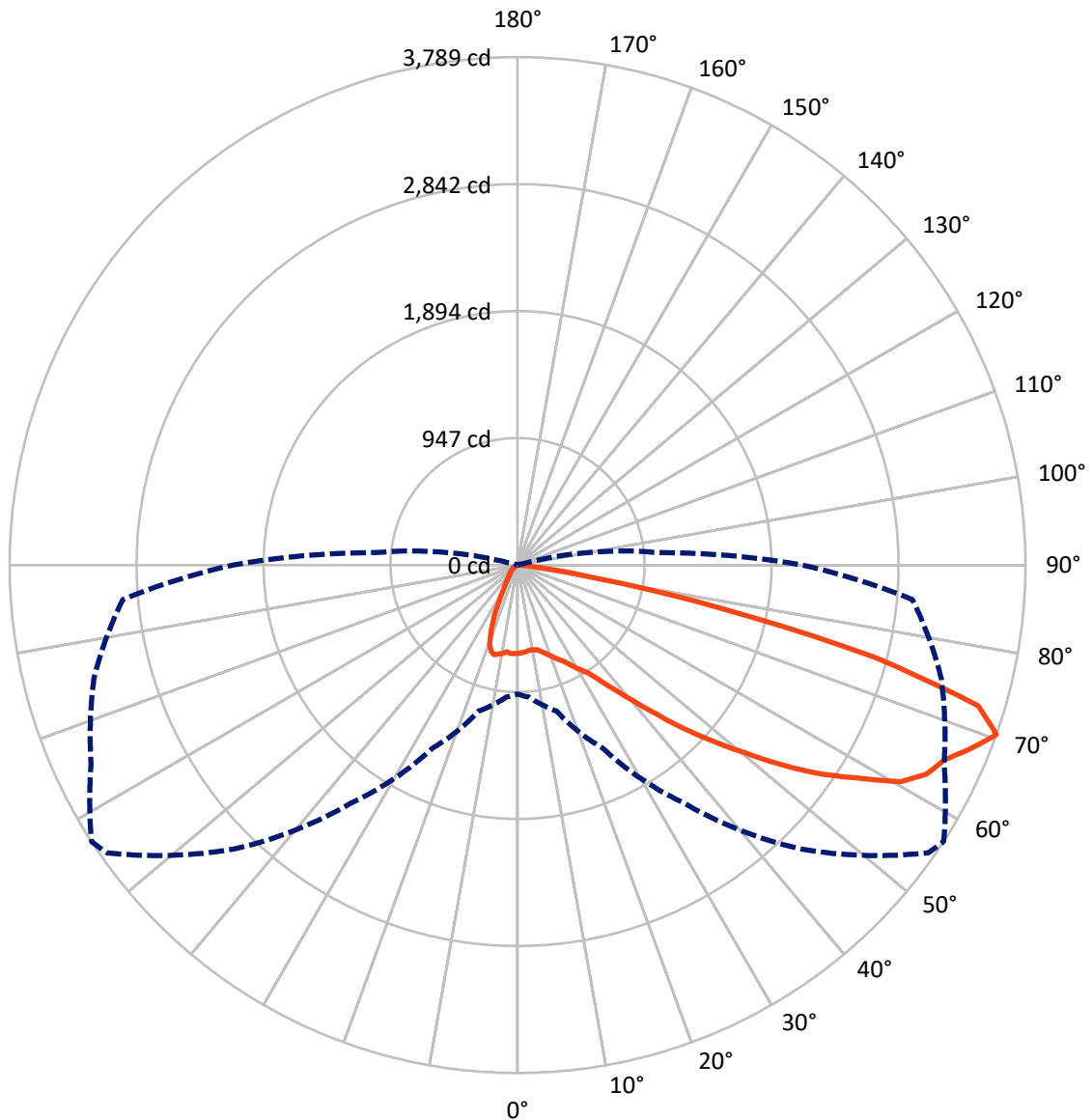
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P676412
CATALOG NUMBER: CCW-SA-1F-735-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676412

CATALOG NUMBER: CCW-SA-1F-735-U-T3-HSS

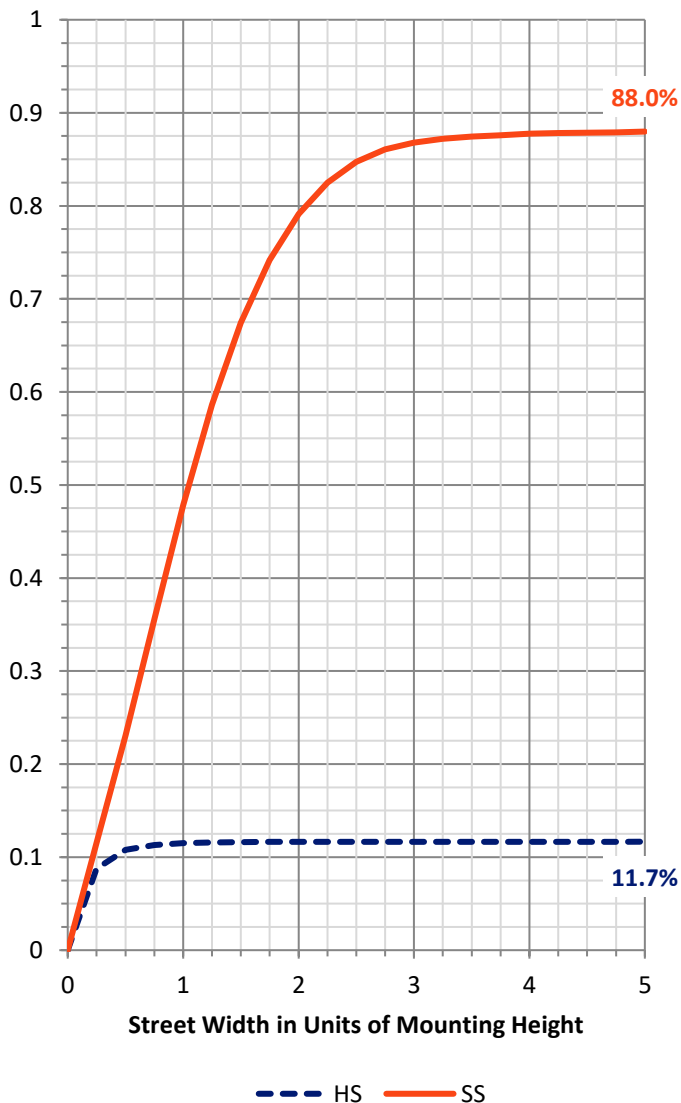
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	628.0	0.0	628.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4699.5	0.0	4699.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	5327.4	0.0	5327.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.2
10°-20°	171.7	3.2
20°-30°	289.3	5.4
30°-40°	495.1	9.3
40°-50°	831.4	15.6
50°-60°	1276.1	24.0
60°-70°	1473.3	27.7
70°-80°	696.0	13.1
80°-90°	33.0	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°	5327.4	100.0
0°-180°	5327.4	100.0



REPORT NUMBER: P676412

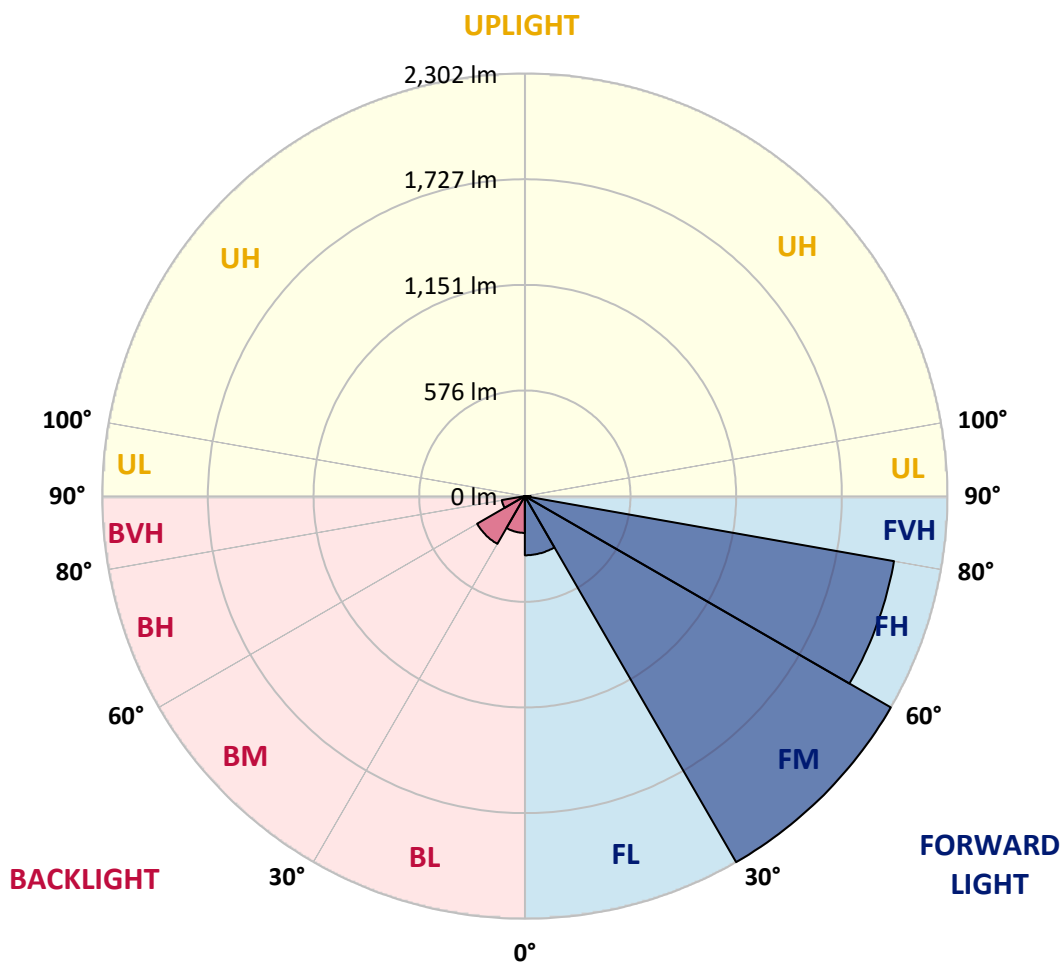
CATALOG NUMBER: CCW-SA-1F-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.3	6.0			
FM (30°-60°)	2302.4	43.2			
FH (60°-80°)	2042.3	38.3			G2/5000
FVH (80°-90°)	32.4	0.6			G1/100
BL (0°-30°)	200.2	3.8	B1/500		
BM (30°-60°)	300.2	5.6	B1/1000		
BH (60°-80°)	127.0	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	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 III Medium





REPORT NUMBER: P676412

CATALOG NUMBER: CCW-SA-1F-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	647.8	643.7	647.8	653.3	647.8	651.9	650.5	654.6	649.2	649.2	653.3
5°	605.6	612.4	615.1	621.9	628.8	641.0	649.2	649.2	657.3	661.4	666.9
7.5°	590.6	579.8	590.6	596.1	602.9	623.3	635.6	641.0	651.9	666.9	675.0
10°	568.9	577.0	577.0	594.7	604.3	616.5	638.3	642.4	666.9	681.8	690.0
12.5°	567.5	567.5	574.3	586.6	605.6	628.8	656.0	647.8	673.7	700.9	714.5
15°	571.6	581.1	581.1	597.5	612.4	645.1	668.2	669.6	706.3	733.5	745.8
17.5°	589.3	585.2	590.6	600.2	623.3	654.6	692.7	696.8	739.0	775.7	793.4
20°	626.0	632.8	624.7	619.2	628.8	669.6	718.6	726.7	774.4	809.8	827.5
22.5°	763.5	758.0	725.4	687.3	670.9	690.0	743.1	762.1	817.9	860.1	875.1
25°	918.6	909.1	871.0	813.8	739.0	730.8	792.1	792.1	872.4	918.6	914.6
27.5°	1065.6	1062.9	1018.0	958.1	851.9	793.4	831.5	846.5	933.6	971.7	954.0
30°	1215.3	1218.0	1177.2	1105.1	993.5	894.1	887.3	899.6	979.9	1039.8	1003.0
32.5°	1389.5	1365.0	1336.4	1237.1	1135.0	1023.4	959.5	954.0	1031.6	1086.0	1037.0
35°	1544.7	1529.7	1498.4	1408.6	1291.5	1158.2	1068.3	1054.7	1096.9	1169.0	1116.0
37.5°	1680.8	1665.8	1625.0	1565.1	1473.9	1325.6	1199.0	1178.6	1196.3	1272.5	1208.5
40°	1797.8	1801.9	1791.0	1732.5	1648.1	1513.4	1367.7	1335.1	1320.1	1388.2	1316.0
42.5°	1882.2	1921.6	1924.4	1852.2	1784.2	1710.7	1547.4	1521.5	1486.1	1543.3	1492.9
45°	2059.1	2037.3	2050.9	2025.1	1950.2	1939.3	1754.2	1739.3	1690.3	1709.3	1656.3
47.5°	2197.9	2193.8	2219.7	2177.5	2157.1	2158.4	1989.7	1963.8	1894.4	1929.8	1869.9
50°	2278.2	2256.4	2350.3	2383.0	2378.9	2395.3	2227.9	2206.1	2139.4	2191.1	2063.2
52.5°	2297.3	2336.7	2425.2	2543.6	2593.9	2628.0	2487.8	2479.6	2407.5	2440.2	2263.2
55°	2344.9	2383.0	2434.7	2629.3	2815.8	2823.9	2743.7	2751.8	2687.9	2679.7	2453.8
57.5°	2343.5	2335.4	2478.3	2704.2	2962.8	3079.8	3036.3	2996.8	2927.4	2847.1	2576.3
60°	2257.8	2253.7	2402.1	2713.7	3043.1	3311.2	3328.9	3282.6	3108.4	2990.0	2720.5
62.5°	2087.7	2104.0	2253.7	2632.1	3119.3	3394.2	3459.5	3428.2	3211.8	3085.2	2890.6
65°	1893.1	1859.0	2033.2	2427.9	2947.8	3369.7	3511.2	3500.3	3334.3	3188.7	3047.1
67.5°	1518.8	1533.8	1667.1	2089.0	2655.2	3279.9	3632.3	3648.7	3432.3	3279.9	3094.8
70°	962.2	989.4	1128.2	1509.3	2168.0	2996.8	3741.2	3788.9	3509.9	3271.7	2956.0
72.5°	280.4	291.2	480.4	752.6	1381.4	2403.4	3567.0	3591.5	3358.8	2969.6	2286.4
75°	92.5	98.0	141.5	245.0	541.7	1242.5	2634.8	2750.5	2672.9	2153.0	1307.9
77.5°	61.2	64.0	77.6	117.0	205.5	389.2	1412.7	1536.5	1506.6	1008.5	421.9
80°	44.9	46.3	57.2	78.9	125.2	140.2	521.2	602.9	582.5	231.4	84.4
82.5°	28.6	28.6	42.2	55.8	78.9	69.4	151.1	167.4	163.3	88.5	32.7
85°	19.1	20.4	31.3	43.6	43.6	32.7	43.6	50.4	54.4	47.6	15.0
87.5°	5.4	6.8	17.7	29.9	17.7	16.3	15.0	16.3	19.1	25.9	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676412
 CATALOG NUMBER: CCW-SA-1F-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	657.3	662.8	661.4	664.1	660.1	656.0	660.1	660.1	660.1	656.0	653.3
5°	662.8	660.1	662.8	657.3	662.8	657.3	654.6	646.4	645.1	645.1	650.5
7.5°	670.9	673.7	661.4	661.4	649.2	651.9	645.1	646.4	643.7	639.6	636.9
10°	683.2	694.1	681.8	677.7	664.1	653.3	636.9	628.8	628.8	623.3	628.8
12.5°	717.2	713.1	706.3	692.7	676.4	654.6	615.1	575.7	543.0	518.5	530.8
15°	744.4	743.1	733.5	707.7	685.9	619.2	519.9	417.8	363.4	338.9	334.8
17.5°	786.6	782.5	766.2	732.2	660.1	513.1	356.6	270.8	217.8	205.5	201.4
20°	826.1	824.7	789.3	745.8	594.7	374.3	232.7	178.3	163.3	164.7	162.0
22.5°	868.3	861.5	819.3	729.5	473.6	249.1	166.0	159.2	153.8	152.4	155.1
25°	915.9	891.4	849.2	692.7	348.4	171.5	156.5	151.1	145.6	144.3	144.3
27.5°	935.0	918.6	862.8	604.3	220.5	149.7	147.0	140.2	133.4	129.3	127.9
30°	978.5	951.3	876.4	475.0	156.5	137.5	133.4	125.2	115.7	108.9	108.9
32.5°	1022.1	989.4	877.8	332.1	130.7	123.8	117.0	106.2	93.9	87.1	88.5
35°	1076.5	1031.6	862.8	215.0	117.0	108.9	95.3	83.0	72.1	66.7	66.7
37.5°	1169.0	1126.9	801.6	141.5	106.2	92.5	78.9	65.3	55.8	51.7	51.7
40°	1286.1	1231.6	717.2	111.6	93.9	78.9	62.6	50.4	44.9	40.8	40.8
42.5°	1426.3	1358.2	592.0	99.3	83.0	65.3	49.0	39.5	34.0	34.0	32.7
45°	1566.4	1454.8	464.1	91.2	73.5	54.4	38.1	31.3	28.6	27.2	27.2
47.5°	1766.5	1571.9	332.1	83.0	64.0	42.2	31.3	25.9	23.1	21.8	23.1
50°	1958.4	1682.1	235.4	74.9	53.1	34.0	25.9	23.1	20.4	19.1	19.1
52.5°	2127.1	1758.3	164.7	65.3	44.9	28.6	23.1	20.4	19.1	17.7	17.7
55°	2219.7	1732.5	113.0	55.8	36.7	24.5	20.4	17.7	16.3	15.0	15.0
57.5°	2315.0	1660.3	85.7	46.3	29.9	23.1	19.1	16.3	15.0	13.6	13.6
60°	2395.3	1607.3	66.7	36.7	24.5	19.1	16.3	13.6	12.2	10.9	9.5
62.5°	2399.3	1501.1	49.0	27.2	19.1	16.3	13.6	10.9	6.8	5.4	4.1
65°	2415.7	1389.5	35.4	20.4	13.6	12.2	9.5	5.4	2.7	0.0	0.0
67.5°	2358.5	1257.5	28.6	15.0	9.5	6.8	4.1	1.4	0.0	0.0	0.0
70°	2125.8	1061.5	21.8	10.9	6.8	4.1	1.4	0.0	0.0	0.0	0.0
72.5°	1521.5	690.0	15.0	8.2	2.7	1.4	0.0	0.0	0.0	0.0	0.0
75°	811.1	294.0	10.9	5.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	254.5	74.9	6.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	55.8	20.4	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.1	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	1.4	1.4	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)