

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: P675019

Luminaire Tested: **CCW-SA-2C-827-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675019
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6715.4 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

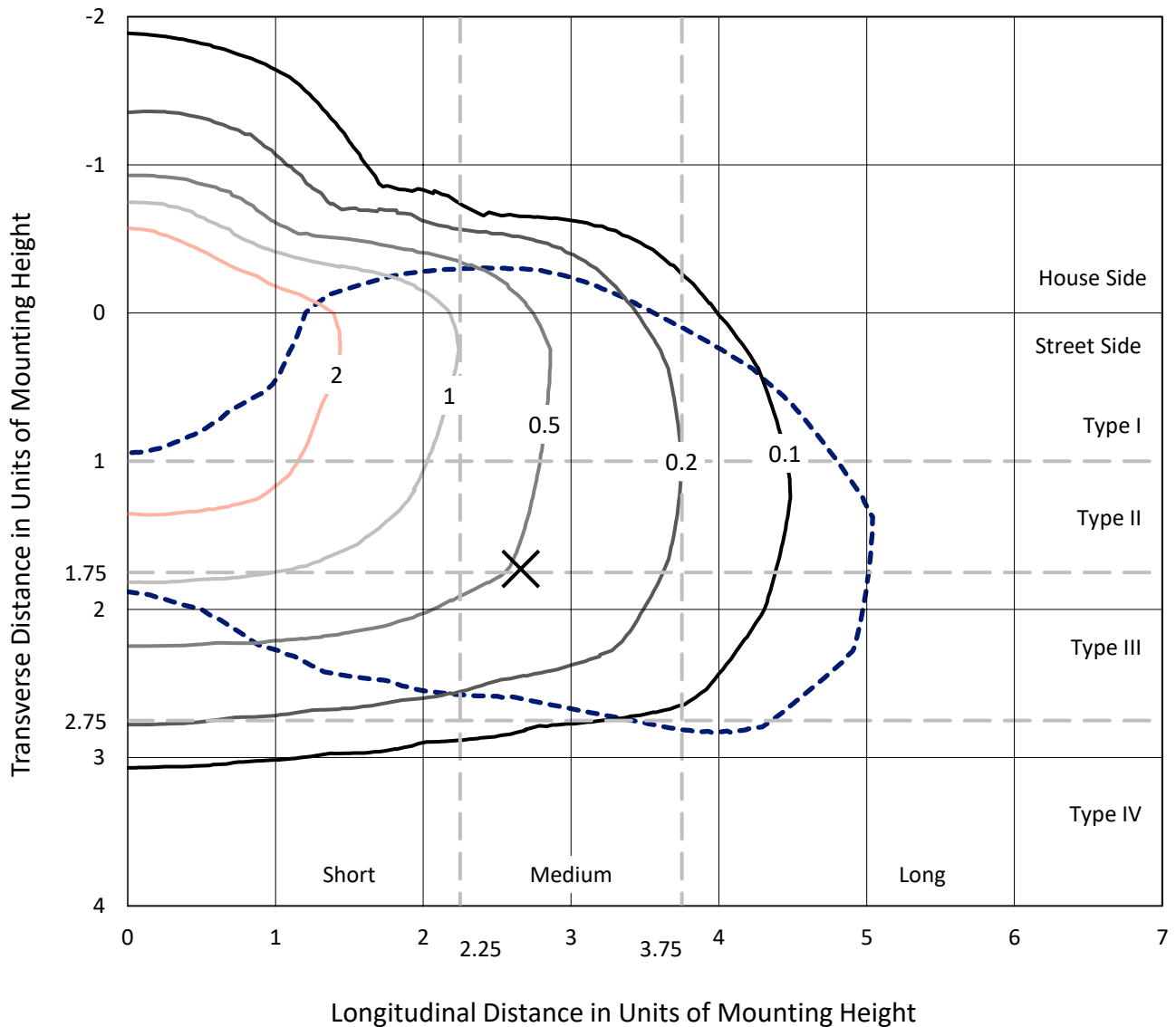
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P675019
 CATALOG NUMBER: CCW-SA-2C-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

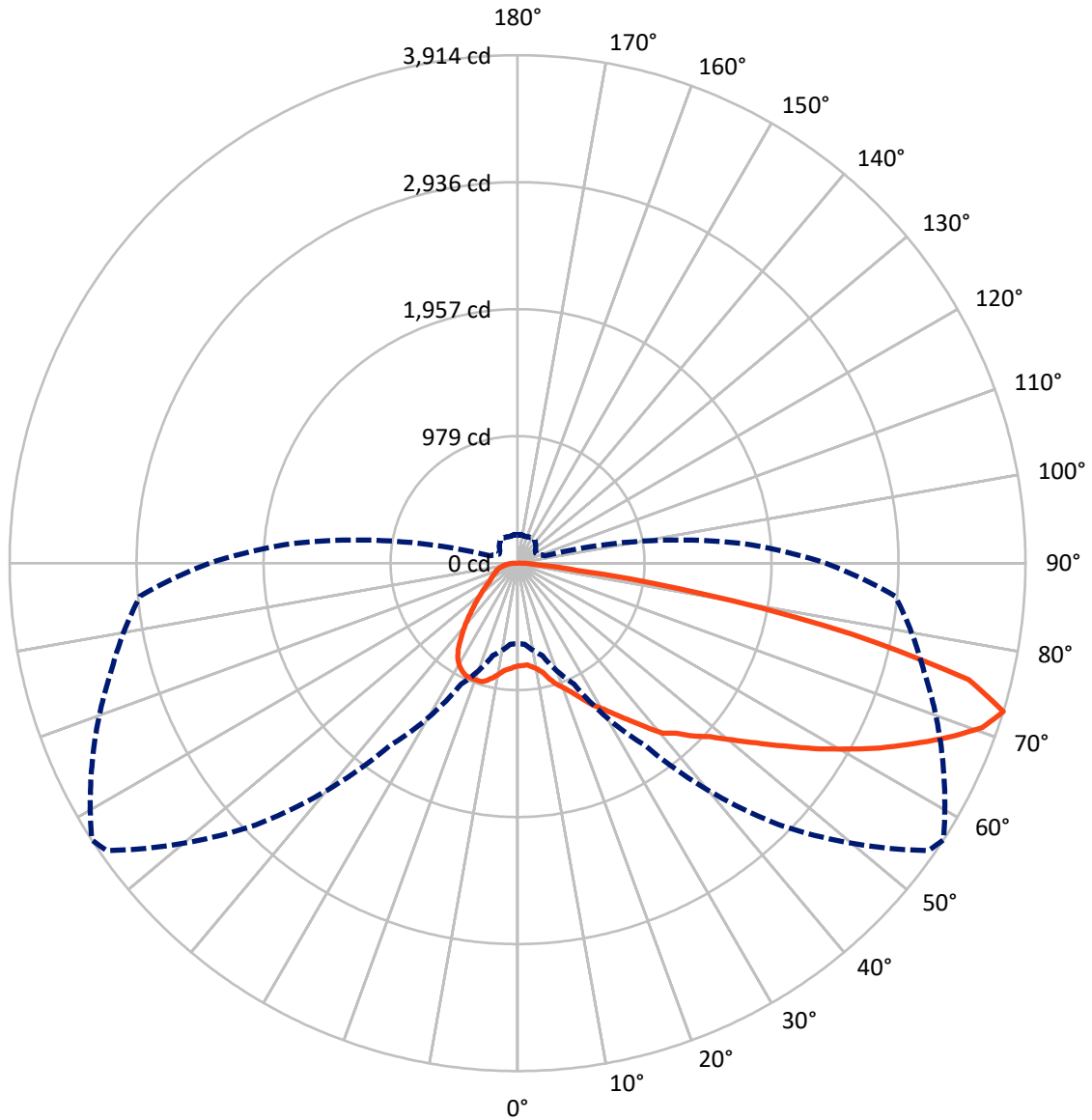
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

REPORT NUMBER: P675019
CATALOG NUMBER: CCW-SA-2C-827-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675019
 CATALOG NUMBER: CCW-SA-2C-827-U-T3

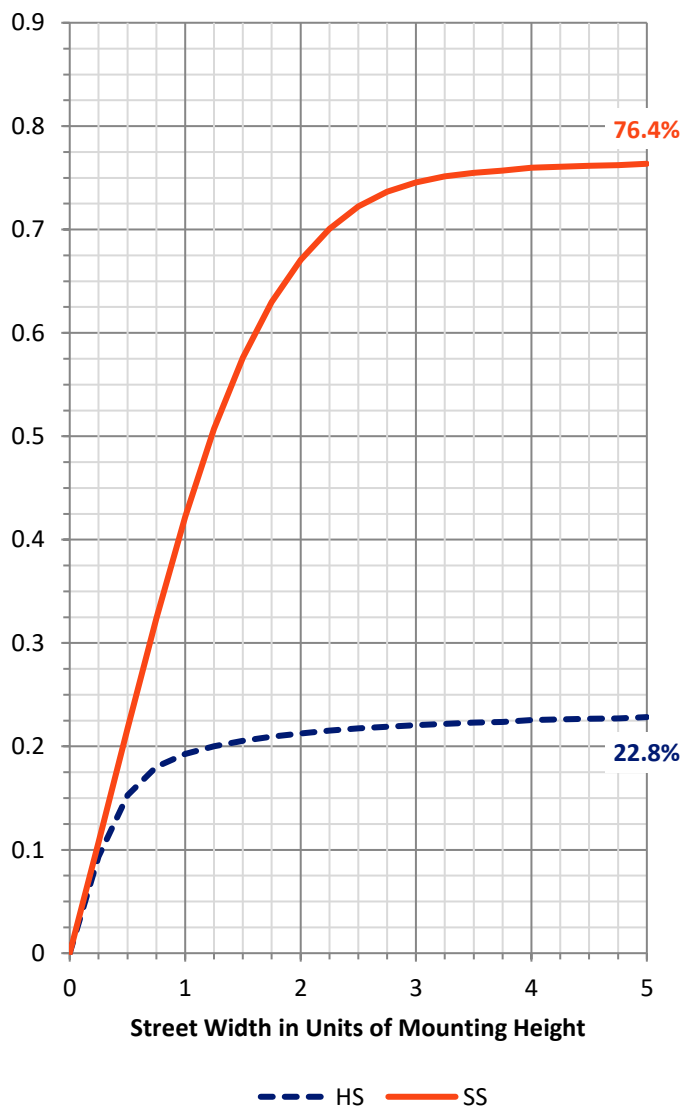
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1568.3	0.0	1568.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5147.1	0.0	5147.1
	% Fixture	76.6	0.0	76.6
Total	Lumens	6715.4	0.0	6715.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	1.2
10°-20°	265.2	3.9
20°-30°	484.7	7.2
30°-40°	711.2	10.6
40°-50°	979.2	14.6
50°-60°	1342.7	20.0
60°-70°	1618.6	24.1
70°-80°	1078.2	16.1
80°-90°	157.0	2.3
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°	6715.4	100.0
0°-180°	6715.4	100.0



REPORT NUMBER: P675019

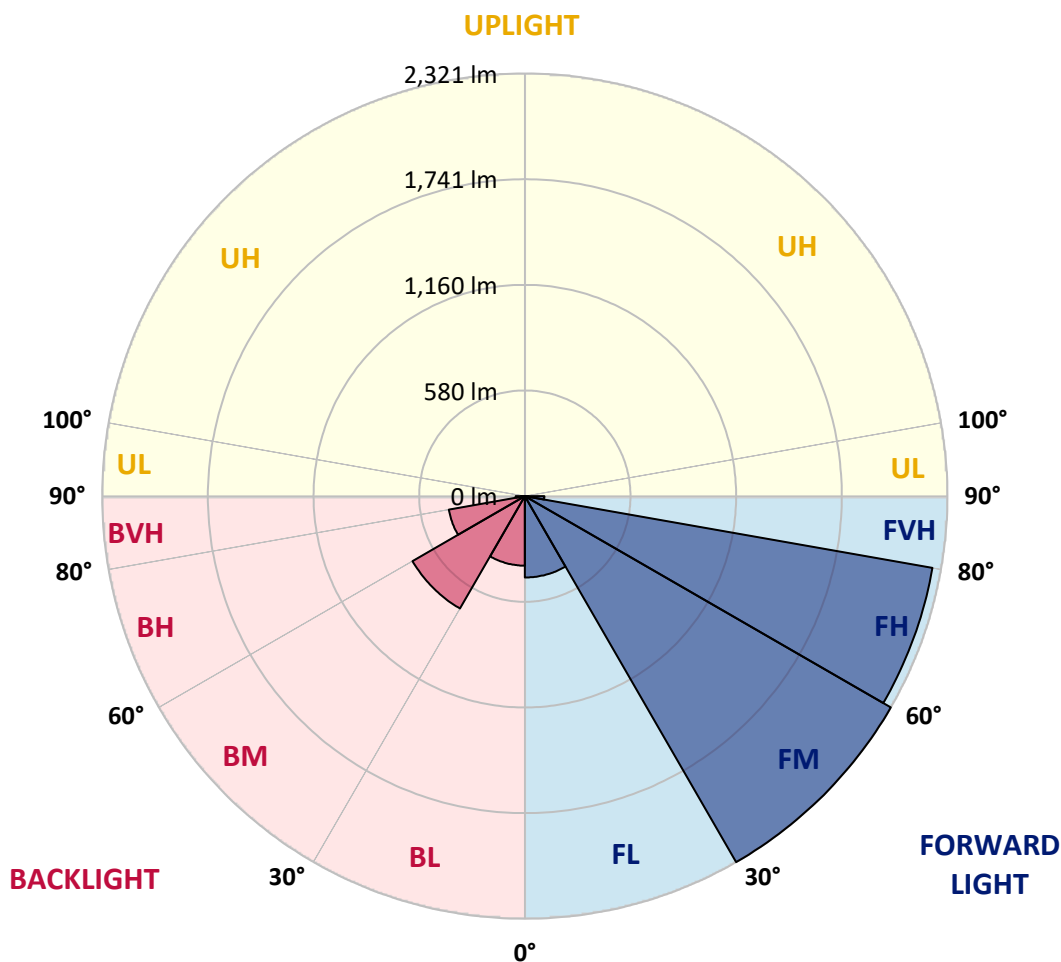
CATALOG NUMBER: CCW-SA-2C-827-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.7	6.7			
FM (30°-60°)	2320.7	34.6			
FH (60°-80°)	2272.8	33.8			G2/5000
FVH (80°-90°)	106.9	1.6			G2/225
BL (0°-30°)	381.8	5.7	B1/500		
BM (30°-60°)	712.3	10.6	B1/1000		
BH (60°-80°)	424.0	6.3	B1/500		G1/500
BVH (80°-90°)	50.1	0.7			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





REPORT NUMBER: P675019

CATALOG NUMBER: CCW-SA-2C-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6
2.5°	778.0	780.4	785.3	782.9	782.9	775.5	787.7	790.2	785.3	787.7	792.6
5°	778.0	782.9	790.2	785.3	787.7	785.3	780.4	787.7	787.7	790.2	797.5
7.5°	819.5	817.1	817.1	809.8	807.3	804.9	807.3	807.3	802.4	804.9	804.9
10°	866.0	866.0	861.1	861.1	856.2	844.0	831.8	829.3	822.0	824.4	824.4
12.5°	915.0	919.8	924.7	910.1	905.2	885.6	878.3	863.6	863.6	858.7	856.2
15°	976.1	968.8	973.7	968.8	956.5	937.0	924.7	927.2	910.1	905.2	897.8
17.5°	1029.9	1032.4	1025.0	1020.2	998.1	983.5	985.9	983.5	961.4	954.1	941.9
20°	1093.5	1091.1	1091.1	1076.4	1056.8	1037.3	1029.9	1027.5	1032.4	1017.7	988.3
22.5°	1159.6	1149.8	1149.8	1137.6	1110.7	1098.4	1093.5	1083.8	1088.7	1076.4	1032.4
25°	1213.4	1213.4	1230.5	1206.1	1191.4	1166.9	1157.2	1159.6	1162.0	1137.6	1086.2
27.5°	1284.4	1272.1	1289.3	1277.0	1269.7	1242.8	1230.5	1237.9	1233.0	1206.1	1135.1
30°	1374.9	1377.3	1367.5	1350.4	1340.6	1321.1	1313.7	1306.4	1313.7	1279.5	1189.0
32.5°	1487.4	1494.8	1470.3	1450.7	1433.6	1414.0	1399.3	1392.0	1399.3	1348.0	1230.5
35°	1617.1	1624.4	1604.8	1582.8	1563.3	1514.3	1502.1	1489.9	1463.0	1379.8	1269.7
37.5°	1737.0	1727.2	1722.3	1722.3	1685.6	1614.6	1607.3	1600.0	1548.6	1443.4	1323.5
40°	1817.7	1829.9	1825.0	1820.1	1815.2	1749.2	1734.5	1722.3	1636.6	1538.8	1399.3
42.5°	1908.2	1900.9	1920.4	1927.8	1910.6	1891.1	1832.4	1790.8	1714.9	1636.6	1511.9
45°	2015.8	2010.9	2018.3	2045.2	2020.7	2028.1	1930.2	1900.9	1805.4	1759.0	1653.8
47.5°	2111.3	2123.5	2160.2	2167.5	2147.9	2182.2	2045.2	1998.7	1937.6	1900.9	1800.6
50°	2152.8	2167.5	2250.7	2302.1	2304.5	2358.3	2160.2	2140.6	2057.4	2072.1	1984.0
52.5°	2118.6	2165.1	2265.4	2399.9	2483.1	2536.9	2311.9	2302.1	2226.2	2272.7	2184.6
55°	2150.4	2194.4	2260.5	2448.9	2659.2	2671.5	2522.2	2485.6	2409.7	2473.3	2392.6
57.5°	2165.1	2140.6	2265.4	2502.7	2788.9	2820.7	2722.9	2695.9	2637.2	2698.4	2651.9
60°	2050.1	2079.4	2196.9	2488.0	2796.2	2979.7	2947.9	2908.8	2855.0	2911.2	2884.3
62.5°	1920.4	1940.0	2067.2	2399.9	2837.8	3094.7	3165.7	3136.3	3060.5	3109.4	3155.9
65°	1756.5	1759.0	1900.9	2243.4	2757.1	3160.8	3356.5	3354.0	3300.2	3288.0	3361.4
67.5°	1555.9	1575.5	1688.0	2077.0	2647.0	3234.2	3544.8	3581.5	3473.9	3378.5	3405.4
70°	1193.8	1213.4	1321.1	1702.7	2421.9	3212.1	3777.3	3796.8	3586.4	3344.2	3275.7
72.5°	621.4	626.3	736.4	1027.5	1717.4	2852.5	3862.9	3914.3	3615.8	3243.9	2921.0
75°	205.5	205.5	252.0	391.4	809.8	1825.0	3498.4	3591.3	3471.5	2994.4	2390.1
77.5°	122.3	124.8	149.2	195.7	322.9	729.0	2466.0	2629.9	2840.3	2546.7	1746.7
80°	88.1	90.5	112.5	134.6	193.3	234.9	1237.9	1465.4	1744.3	1639.1	932.1
82.5°	66.1	66.1	88.1	100.3	132.1	139.4	344.9	472.2	753.5	587.1	256.9
85°	68.5	68.5	68.5	70.9	90.5	80.7	144.3	154.1	220.2	193.3	70.9
87.5°	24.5	26.9	68.5	46.5	46.5	34.2	56.3	61.2	78.3	80.7	26.9
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: P675019
 CATALOG NUMBER: CCW-SA-2C-827-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6
2.5°	795.1	795.1	797.5	797.5	802.4	807.3	814.7	809.8	809.8	812.2	809.8
5°	792.6	795.1	802.4	814.7	819.5	822.0	836.7	836.7	836.7	841.6	841.6
7.5°	802.4	807.3	819.5	831.8	834.2	841.6	861.1	866.0	878.3	883.2	885.6
10°	826.9	834.2	844.0	858.7	868.5	878.3	892.9	910.1	907.6	922.3	924.7
12.5°	863.6	861.1	878.3	892.9	902.7	917.4	922.3	922.3	922.3	922.3	927.2
15°	892.9	897.8	912.5	922.3	934.5	932.1	922.3	912.5	915.0	912.5	912.5
17.5°	937.0	937.0	949.2	951.7	956.5	932.1	917.4	917.4	924.7	924.7	919.8
20°	981.0	978.6	983.5	981.0	949.2	919.8	917.4	919.8	922.3	919.8	917.4
22.5°	1022.6	1017.7	1010.4	1000.6	944.3	917.4	912.5	900.3	888.0	888.0	880.7
25°	1059.3	1054.4	1034.8	1005.5	941.9	902.7	878.3	848.9	834.2	826.9	836.7
27.5°	1093.5	1083.8	1056.8	1005.5	919.8	863.6	817.1	780.4	768.2	758.4	768.2
30°	1140.0	1122.9	1086.2	998.1	885.6	802.4	738.8	694.8	682.5	667.9	672.8
32.5°	1181.6	1142.5	1110.7	976.1	841.6	733.9	660.5	616.5	594.5	582.2	592.0
35°	1225.7	1186.5	1120.5	941.9	773.1	650.7	577.4	535.8	518.6	501.5	501.5
37.5°	1269.7	1247.7	1135.1	878.3	689.9	572.5	506.4	474.6	445.2	413.4	413.4
40°	1362.6	1333.3	1152.3	804.9	606.7	496.6	450.1	408.6	379.2	335.2	332.7
42.5°	1460.5	1396.9	1152.3	716.8	533.3	442.8	398.8	354.7	300.9	274.0	276.4
45°	1585.3	1511.9	1120.5	638.5	459.9	398.8	349.8	293.6	269.1	252.0	252.0
47.5°	1741.8	1626.9	1081.3	552.9	401.2	359.6	298.5	264.2	247.1	232.4	230.0
50°	1927.8	1732.1	1032.4	479.5	352.3	322.9	271.6	244.6	230.0	220.2	220.2
52.5°	2123.5	1886.2	998.1	413.4	313.1	274.0	252.0	234.9	222.6	215.3	212.8
55°	2321.6	2040.3	973.7	342.5	276.4	252.0	247.1	232.4	227.5	220.2	215.3
57.5°	2544.3	2167.5	968.8	293.6	247.1	242.2	252.0	239.7	232.4	225.1	217.7
60°	2784.0	2338.8	924.7	254.4	232.4	237.3	244.6	232.4	227.5	220.2	215.3
62.5°	3021.3	2466.0	804.9	225.1	217.7	222.6	232.4	222.6	215.3	217.7	220.2
65°	3119.2	2475.8	623.8	203.1	200.6	203.1	217.7	215.3	207.9	222.6	222.6
67.5°	3021.3	2387.7	440.4	183.5	183.5	195.7	220.2	225.1	217.7	237.3	234.9
70°	2798.7	2170.0	298.5	171.2	176.1	207.9	227.5	222.6	212.8	237.3	232.4
72.5°	2375.5	1737.0	217.7	159.0	166.4	198.2	225.1	220.2	212.8	222.6	212.8
75°	1783.4	1235.4	171.2	144.3	146.8	178.6	232.4	220.2	200.6	195.7	188.4
77.5°	1191.4	763.3	132.1	127.2	127.2	156.6	222.6	205.5	181.0	173.7	171.2
80°	567.6	305.8	105.2	107.6	110.1	134.6	203.1	183.5	163.9	154.1	154.1
82.5°	181.0	115.0	88.1	88.1	88.1	110.1	168.8	154.1	141.9	134.6	122.3
85°	63.6	63.6	75.8	78.3	70.9	80.7	139.4	132.1	117.4	97.9	95.4
87.5°	24.5	36.7	51.4	61.2	44.0	56.3	100.3	93.0	85.6	63.6	61.2
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)