

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: P675031

Luminaire Tested: **CCW-SA-2D-830-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675031
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-830-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

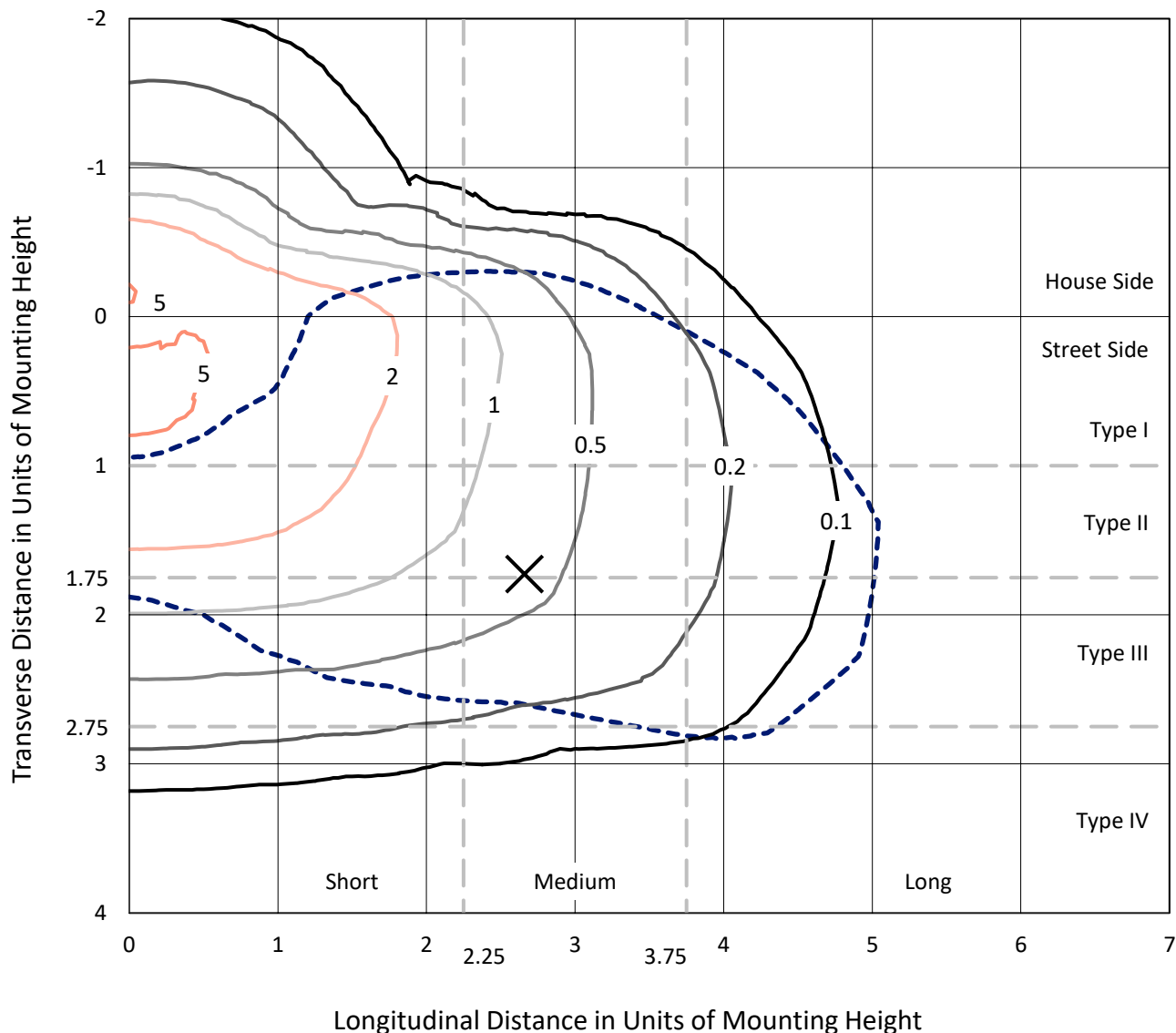
Lumens per Lamp: N/A
Luminaire Lumens: 8954 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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: P675031
 CATALOG NUMBER: CCW-SA-2D-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

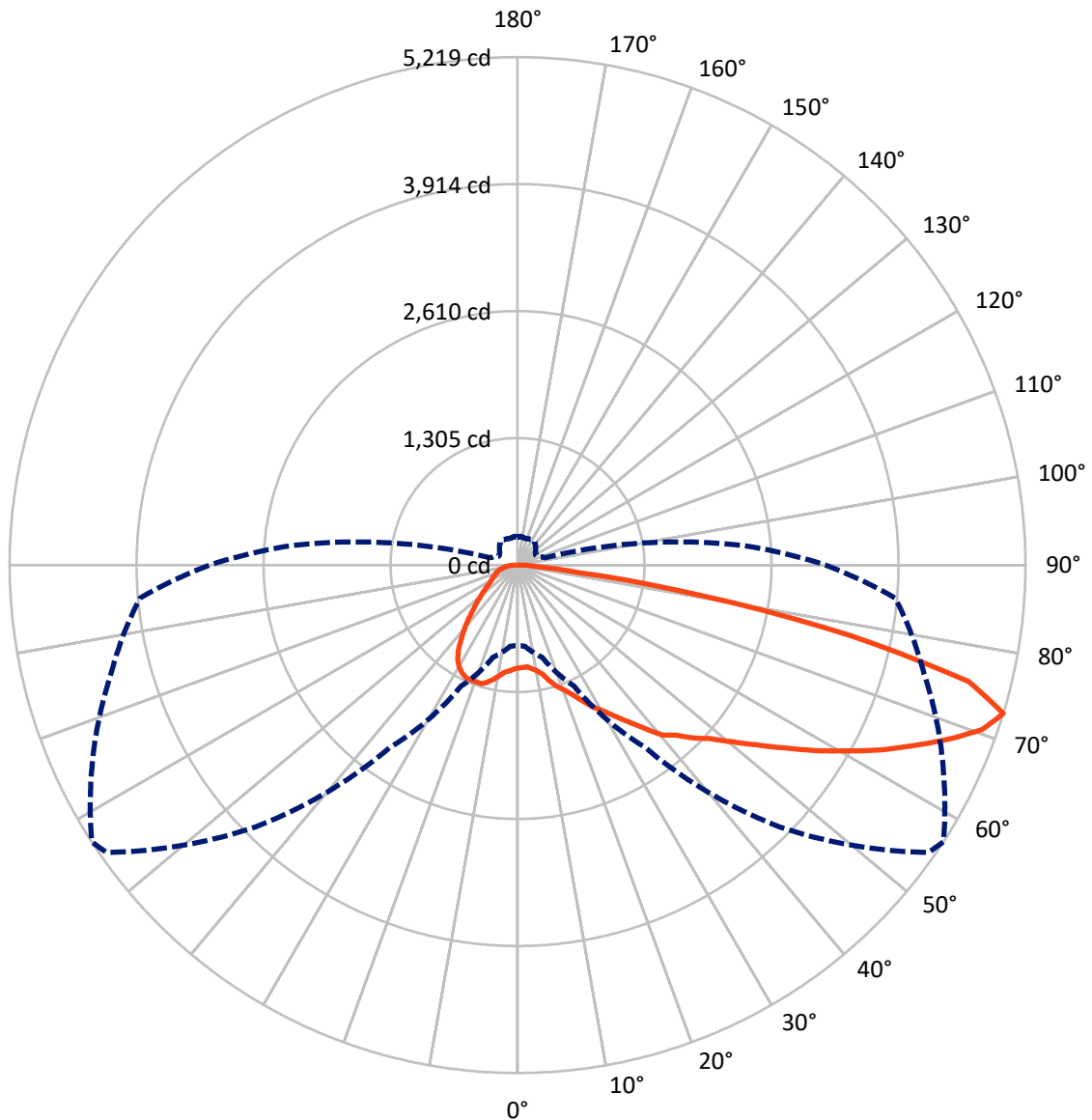
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P675031
CATALOG NUMBER: CCW-SA-2D-830-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P675031

CATALOG NUMBER: CCW-SA-2D-830-U-T3

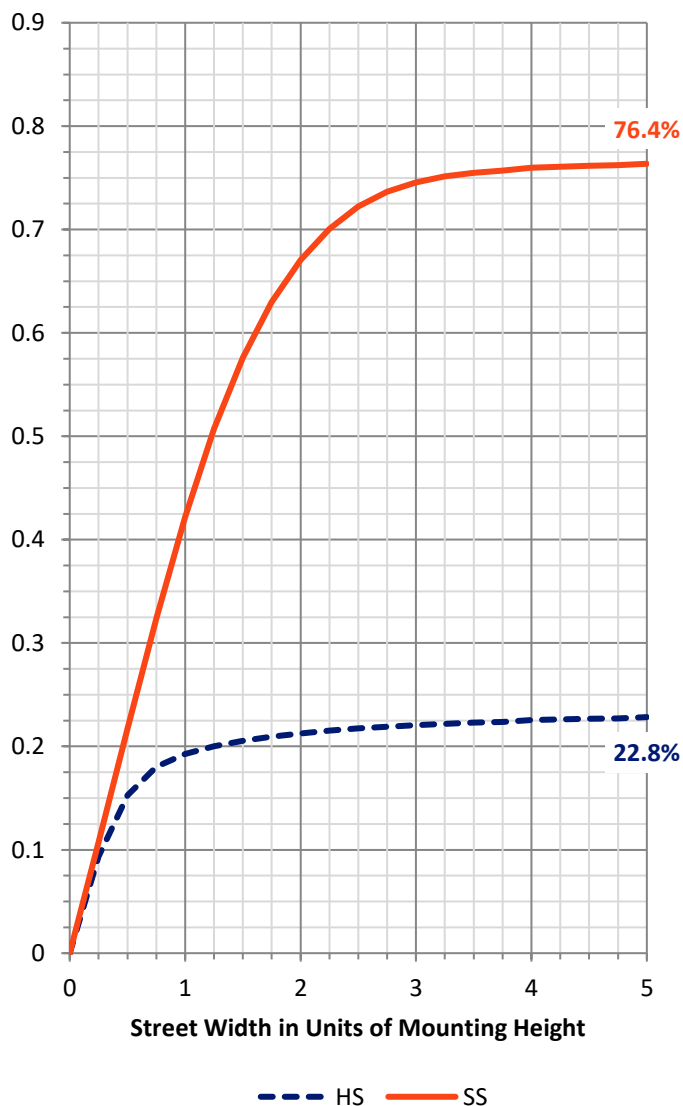
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2091.1	0.0	2091.1
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	6862.9	0.0	6862.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	8954.0	0.0	8954.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	1.2
10°-20°	353.6	3.9
20°-30°	646.3	7.2
30°-40°	948.2	10.6
40°-50°	1305.6	14.6
50°-60°	1790.3	20.0
60°-70°	2158.1	24.1
70°-80°	1437.6	16.1
80°-90°	209.4	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°	8954.0	100.0
0°-180°	8954.0	100.0



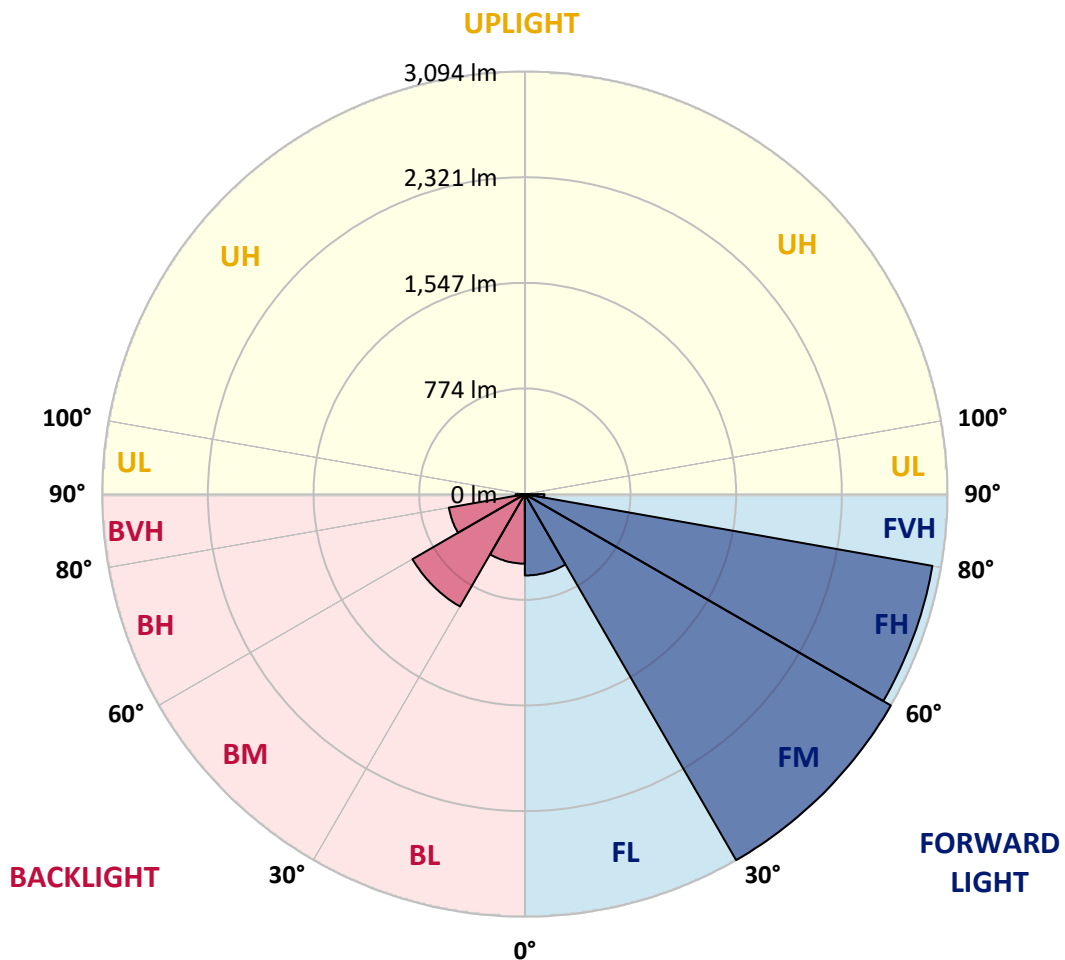
REPORT NUMBER: P675031
 CATALOG NUMBER: CCW-SA-2D-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.7	6.7			
FM (30°-60°)	3094.3	34.6			
FH (60°-80°)	3030.4	33.8			G2/5000
FVH (80°-90°)	142.6	1.6			G2/225
BL (0°-30°)	509.1	5.7	B2/1000		
BM (30°-60°)	949.8	10.6	B1/1000		
BH (60°-80°)	565.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	66.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P675031

CATALOG NUMBER: CCW-SA-2D-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9
2.5°	1037.3	1040.6	1047.1	1043.8	1043.8	1034.0	1050.3	1053.6	1047.1	1050.3	1056.9
5°	1037.3	1043.8	1053.6	1047.1	1050.3	1047.1	1040.6	1050.3	1050.3	1053.6	1063.4
7.5°	1092.7	1089.5	1089.5	1079.7	1076.4	1073.2	1076.4	1076.4	1069.9	1073.2	1073.2
10°	1154.7	1154.7	1148.2	1148.2	1141.7	1125.4	1109.1	1105.8	1096.0	1099.3	1099.3
12.5°	1220.0	1226.5	1233.0	1213.4	1206.9	1180.8	1171.0	1151.5	1151.5	1144.9	1141.7
15°	1301.5	1291.7	1298.2	1291.7	1275.4	1249.3	1233.0	1236.3	1213.4	1206.9	1197.1
17.5°	1373.3	1376.5	1366.7	1360.2	1330.9	1311.3	1314.6	1311.3	1281.9	1272.1	1255.8
20°	1458.1	1454.8	1454.8	1435.2	1409.1	1383.1	1373.3	1370.0	1376.5	1357.0	1317.8
22.5°	1546.1	1533.1	1533.1	1516.8	1480.9	1464.6	1458.1	1445.0	1451.6	1435.2	1376.5
25°	1617.9	1617.9	1640.7	1608.1	1588.6	1555.9	1542.9	1546.1	1549.4	1516.8	1448.3
27.5°	1712.5	1696.2	1719.0	1702.7	1692.9	1657.1	1640.7	1650.5	1644.0	1608.1	1513.5
30°	1833.2	1836.5	1823.4	1800.6	1787.5	1761.4	1751.6	1741.9	1751.6	1706.0	1585.3
32.5°	1983.2	1993.0	1960.4	1934.3	1911.5	1885.4	1865.8	1856.0	1865.8	1797.3	1640.7
35°	2156.1	2165.9	2139.8	2110.5	2084.4	2019.1	2002.8	1986.5	1950.6	1839.7	1692.9
37.5°	2316.0	2302.9	2296.4	2296.4	2247.5	2152.9	2143.1	2133.3	2064.8	1924.5	1764.7
40°	2423.6	2439.9	2433.4	2426.9	2420.3	2332.3	2312.7	2296.4	2182.2	2051.7	1865.8
42.5°	2544.3	2534.5	2560.6	2570.4	2547.6	2521.5	2443.2	2387.7	2286.6	2182.2	2015.9
45°	2687.8	2681.3	2691.1	2727.0	2694.3	2704.1	2573.7	2534.5	2407.3	2345.3	2205.1
47.5°	2815.0	2831.3	2880.3	2890.1	2864.0	2909.6	2727.0	2665.0	2583.4	2534.5	2400.8
50°	2870.5	2890.1	3001.0	3069.5	3072.7	3144.5	2880.3	2854.2	2743.3	2762.8	2645.4
52.5°	2824.8	2886.8	3020.5	3199.9	3310.8	3382.6	3082.5	3069.5	2968.3	3030.3	2912.9
55°	2867.2	2925.9	3014.0	3265.2	3545.7	3562.0	3363.0	3314.1	3213.0	3297.8	3190.2
57.5°	2886.8	2854.2	3020.5	3336.9	3718.6	3761.0	3630.5	3594.6	3516.3	3597.9	3535.9
60°	2733.5	2772.6	2929.2	3317.4	3728.4	3973.0	3930.6	3878.4	3806.7	3881.7	3845.8
62.5°	2560.6	2586.7	2756.3	3199.9	3783.8	4126.3	4220.9	4181.8	4080.7	4145.9	4207.9
65°	2342.1	2345.3	2534.5	2991.2	3676.2	4214.4	4475.3	4472.1	4400.3	4384.0	4481.9
67.5°	2074.6	2100.7	2250.7	2769.4	3529.4	4312.3	4726.5	4775.4	4631.9	4504.7	4540.6
70°	1591.8	1617.9	1761.4	2270.3	3229.3	4282.9	5036.4	5062.5	4782.0	4459.0	4367.7
72.5°	828.5	835.1	981.8	1370.0	2289.9	3803.4	5150.6	5219.1	4821.1	4325.3	3894.7
75°	274.0	274.0	336.0	521.9	1079.7	2433.4	4664.5	4788.5	4628.7	3992.6	3186.9
77.5°	163.1	166.4	199.0	261.0	430.6	972.1	3288.0	3506.6	3787.1	3395.7	2329.0
80°	117.4	120.7	150.0	179.4	257.7	313.1	1650.5	1953.9	2325.7	2185.5	1242.8
82.5°	88.1	88.1	117.4	133.7	176.1	185.9	459.9	629.5	1004.7	782.9	342.5
85°	91.3	91.3	91.3	94.6	120.7	107.6	192.5	205.5	293.6	257.7	94.6
87.5°	32.6	35.9	91.3	62.0	62.0	45.7	75.0	81.5	104.4	107.6	35.9
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: P675031
 CATALOG NUMBER: CCW-SA-2D-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9	1056.9
2.5°	1060.1	1060.1	1063.4	1063.4	1069.9	1076.4	1086.2	1079.7	1079.7	1083.0	1079.7
5°	1056.9	1060.1	1069.9	1086.2	1092.7	1096.0	1115.6	1115.6	1115.6	1122.1	1122.1
7.5°	1069.9	1076.4	1092.7	1109.1	1112.3	1122.1	1148.2	1154.7	1171.0	1177.6	1180.8
10°	1102.5	1112.3	1125.4	1144.9	1158.0	1171.0	1190.6	1213.4	1210.2	1229.7	1233.0
12.5°	1151.5	1148.2	1171.0	1190.6	1203.6	1223.2	1229.7	1229.7	1229.7	1229.7	1236.3
15°	1190.6	1197.1	1216.7	1229.7	1246.1	1242.8	1229.7	1216.7	1220.0	1216.7	1216.7
17.5°	1249.3	1249.3	1265.6	1268.9	1275.4	1242.8	1223.2	1223.2	1233.0	1233.0	1226.5
20°	1308.0	1304.8	1311.3	1308.0	1265.6	1226.5	1223.2	1226.5	1229.7	1226.5	1223.2
22.5°	1363.5	1357.0	1347.2	1334.1	1259.1	1223.2	1216.7	1200.4	1184.1	1184.1	1174.3
25°	1412.4	1405.9	1379.8	1340.6	1255.8	1203.6	1171.0	1131.9	1112.3	1102.5	1115.6
27.5°	1458.1	1445.0	1409.1	1340.6	1226.5	1151.5	1089.5	1040.6	1024.2	1011.2	1024.2
30°	1520.1	1497.2	1448.3	1330.9	1180.8	1069.9	985.1	926.4	910.1	890.5	897.0
32.5°	1575.5	1523.3	1480.9	1301.5	1122.1	978.6	880.7	822.0	792.6	776.3	789.4
35°	1634.2	1582.0	1494.0	1255.8	1030.8	867.7	769.8	714.4	691.5	668.7	668.7
37.5°	1692.9	1663.6	1513.5	1171.0	919.9	763.3	675.2	632.8	593.7	551.3	551.3
40°	1816.9	1777.7	1536.4	1073.2	809.0	662.2	600.2	544.7	505.6	446.9	443.6
42.5°	1947.4	1862.6	1536.4	955.7	711.1	590.4	531.7	473.0	401.2	365.3	368.6
45°	2113.7	2015.9	1494.0	851.4	613.2	531.7	466.5	391.4	358.8	336.0	336.0
47.5°	2322.5	2169.2	1441.8	737.2	535.0	479.5	398.0	352.3	329.5	309.9	306.6
50°	2570.4	2309.4	1376.5	639.3	469.7	430.6	362.1	326.2	306.6	293.6	293.6
52.5°	2831.3	2514.9	1330.9	551.3	417.5	365.3	336.0	313.1	296.8	287.0	283.8
55°	3095.6	2720.4	1298.2	456.7	368.6	336.0	329.5	309.9	303.4	293.6	287.0
57.5°	3392.4	2890.1	1291.7	391.4	329.5	322.9	336.0	319.7	309.9	300.1	290.3
60°	3712.1	3118.4	1233.0	339.2	309.9	316.4	326.2	309.9	303.4	293.6	287.0
62.5°	4028.5	3288.0	1073.2	300.1	290.3	296.8	309.9	296.8	287.0	290.3	293.6
65°	4158.9	3301.1	831.8	270.7	267.5	270.7	290.3	287.0	277.3	296.8	296.8
67.5°	4028.5	3183.6	587.1	244.6	244.6	261.0	293.6	300.1	290.3	316.4	313.1
70°	3731.6	2893.3	398.0	228.3	234.9	277.3	303.4	296.8	283.8	316.4	309.9
72.5°	3167.3	2316.0	290.3	212.0	221.8	264.2	300.1	293.6	283.8	296.8	283.8
75°	2377.9	1647.3	228.3	192.5	195.7	238.1	309.9	293.6	267.5	261.0	251.2
77.5°	1588.6	1017.7	176.1	169.6	169.6	208.8	296.8	274.0	241.4	231.6	228.3
80°	756.8	407.7	140.3	143.5	146.8	179.4	270.7	244.6	218.5	205.5	205.5
82.5°	241.4	153.3	117.4	117.4	117.4	146.8	225.1	205.5	189.2	179.4	163.1
85°	84.8	84.8	101.1	104.4	94.6	107.6	185.9	176.1	156.6	130.5	127.2
87.5°	32.6	48.9	68.5	81.5	58.7	75.0	133.7	124.0	114.2	84.8	81.5
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)