

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: McGRAW-EDISON

Report Number: P595787

Luminaire Tested: **ISW-PA1E-735-U-T2U**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1E-735-U-T2U
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9550 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

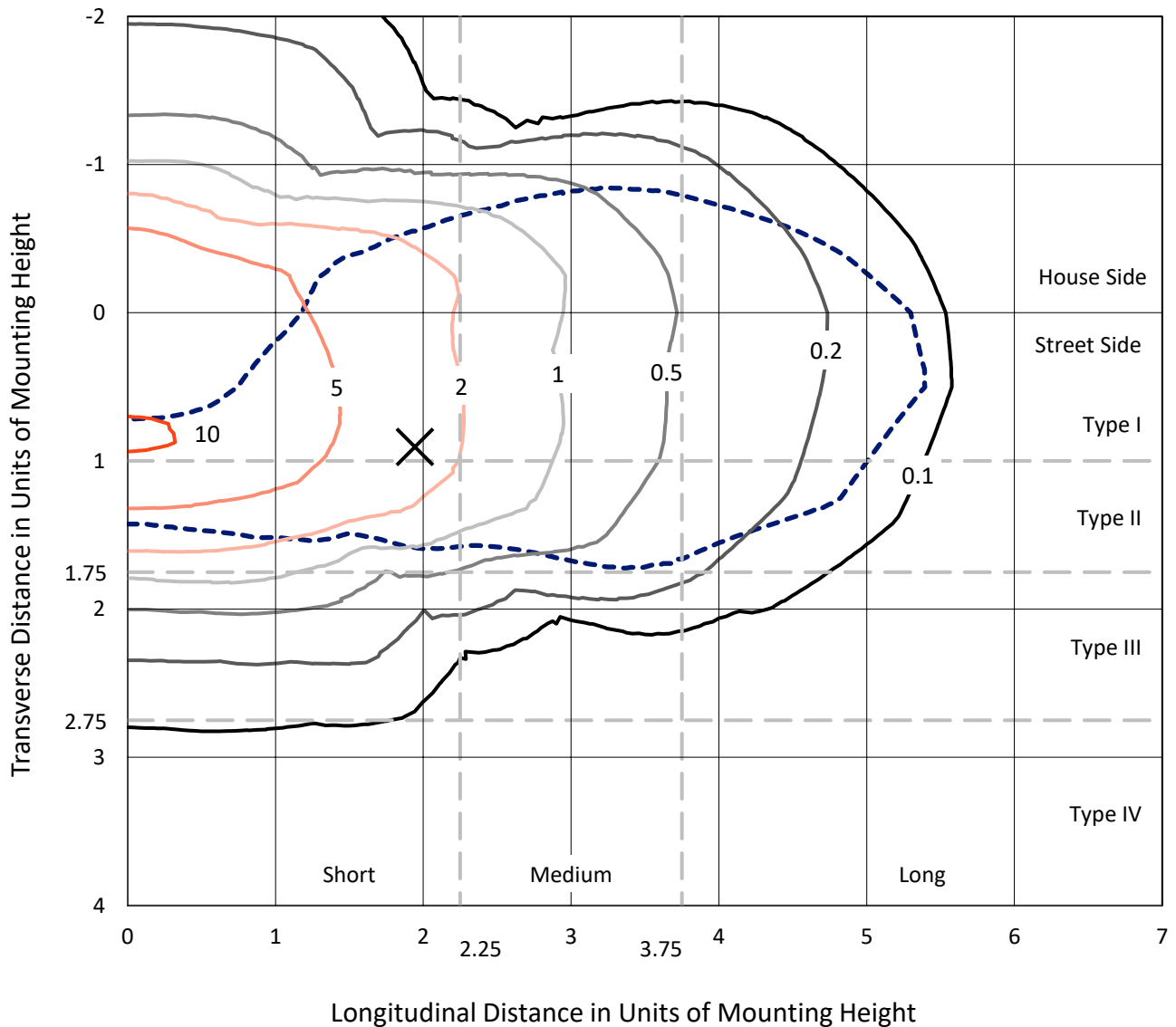
Input Watts (W): 81.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

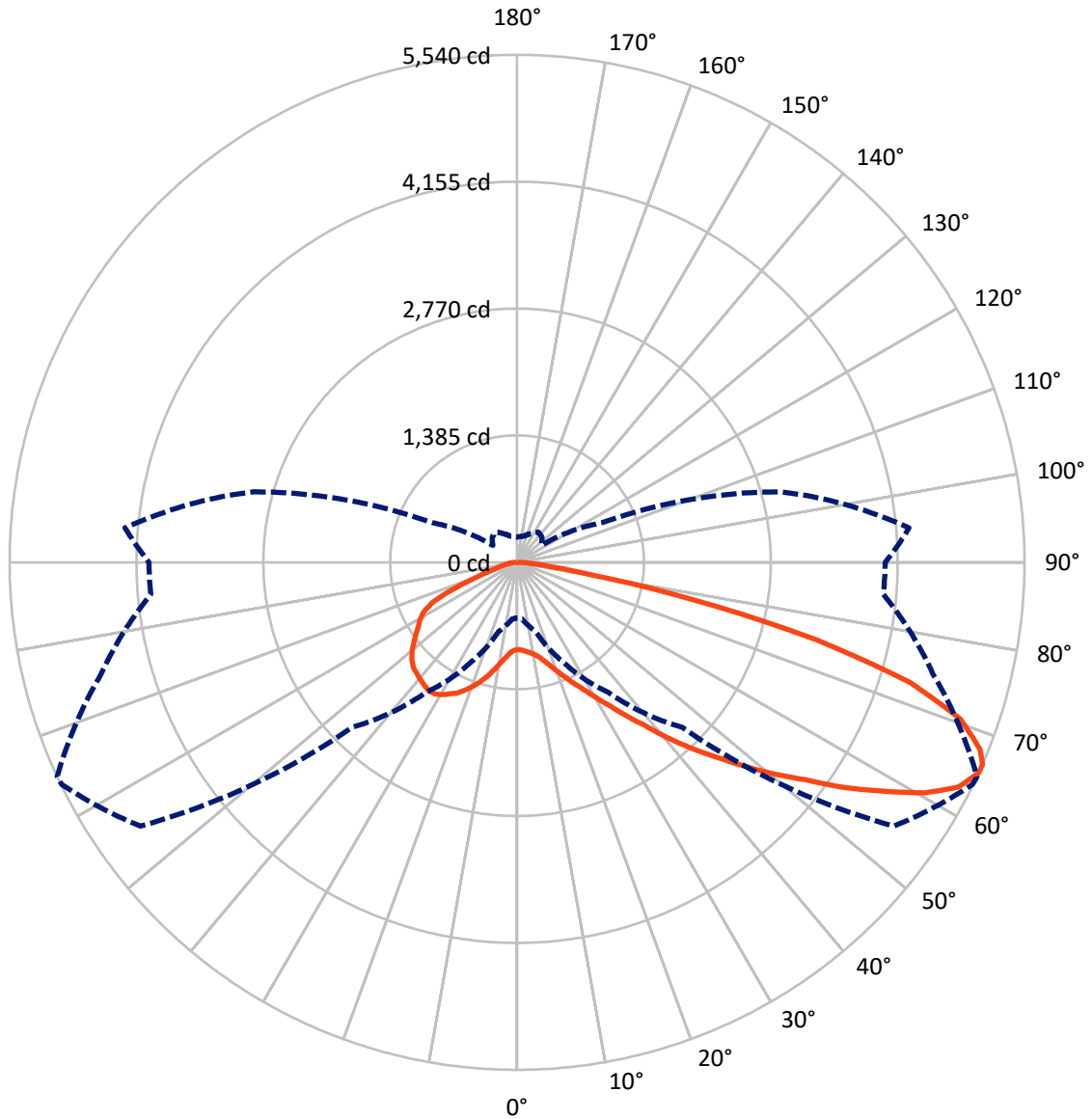
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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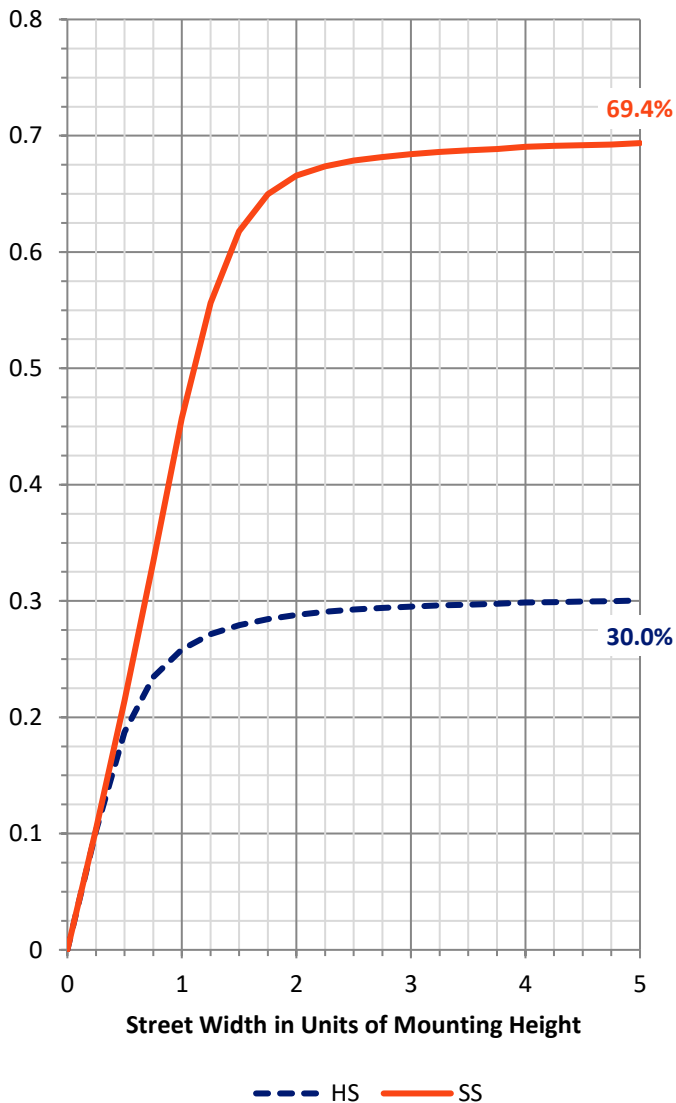
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2899.8	0.0	2899.8
	% Fixture	30.4	0.0	30.4
Street Side	Lumens	6650.2	0.0	6650.2
	% Fixture	69.6	0.0	69.6
Total	Lumens	9550.0	0.0	9550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.0
10°-20°	338.5	3.5
20°-30°	662.9	6.9
30°-40°	1083.1	11.3
40°-50°	1719.2	18.0
50°-60°	2211.2	23.2
60°-70°	1994.0	20.9
70°-80°	1236.8	13.0
80°-90°	207.2	2.2
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°	9550.0	100.0
0°-180°	9550.0	100.0

Coefficient of Utilization

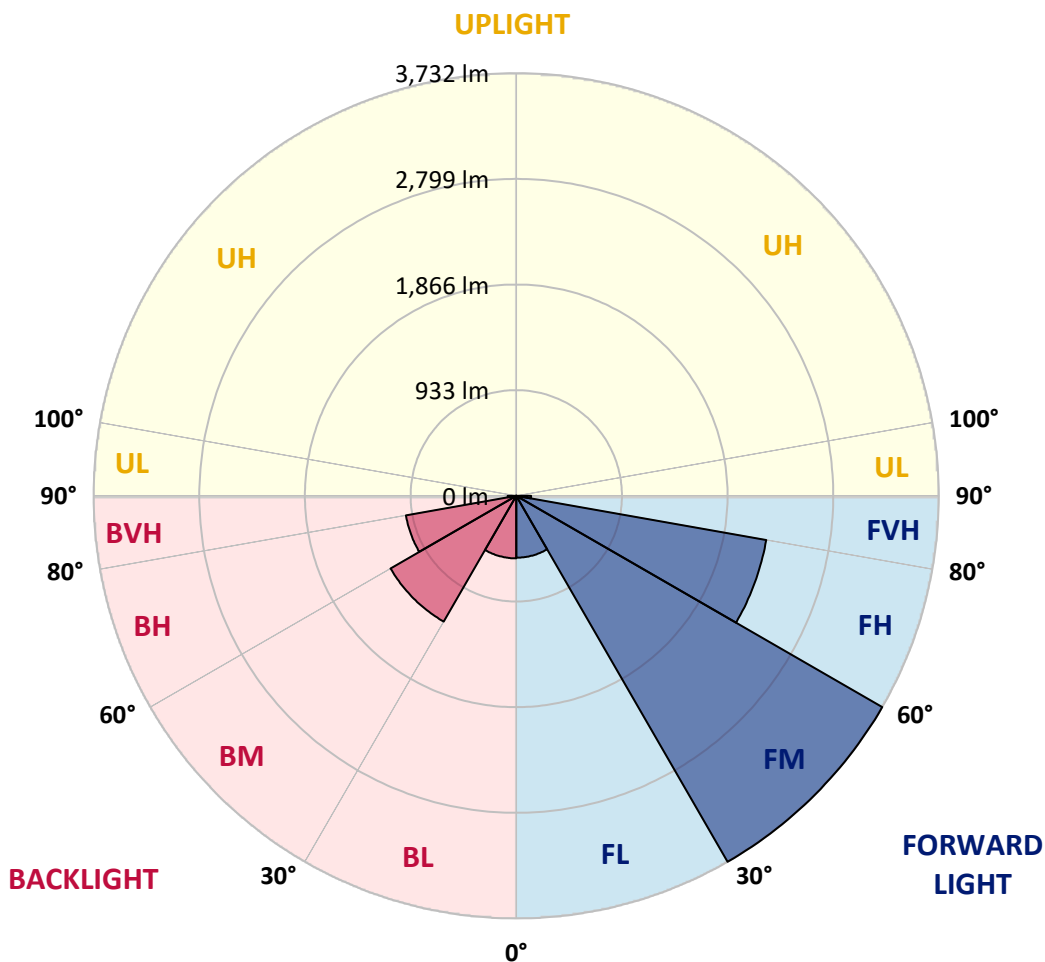


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.1	5.7			
FM (30°-60°)	3731.6	39.1			
FH (60°-80°)	2241.4	23.5			G2/5000
FVH (80°-90°)	131.1	1.4			G2/225
BL (0°-30°)	552.3	5.8	B2/1000		
BM (30°-60°)	1281.9	13.4	B2/2500		
BH (60°-80°)	989.4	10.4	B2/1000		G2/1000
BVH (80°-90°)	76.1	0.8			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9
2.5°	954.2	956.5	958.9	954.2	958.9	961.2	956.5	956.5	958.9	954.2	954.2
5°	947.3	949.6	954.2	956.5	965.8	970.4	972.8	972.8	975.1	972.8	975.1
7.5°	928.7	928.7	938.0	942.6	956.5	972.8	982.0	995.9	995.9	998.2	1005.2
10°	947.3	947.3	954.2	961.2	972.8	986.6	1000.5	1016.8	1021.4	1037.6	1046.9
12.5°	975.1	979.7	989.0	998.2	1012.1	1028.3	1039.9	1056.1	1058.4	1074.7	1093.2
15°	1021.4	1026.0	1030.7	1042.2	1060.8	1081.6	1102.5	1114.0	1118.7	1127.9	1141.8
17.5°	1090.9	1095.5	1097.8	1104.8	1118.7	1146.5	1176.6	1185.8	1190.5	1190.5	1202.0
20°	1209.0	1206.7	1202.0	1188.1	1188.1	1213.6	1255.3	1271.5	1276.2	1266.9	1259.9
22.5°	1345.6	1343.3	1324.8	1308.6	1297.0	1301.6	1343.3	1371.1	1368.8	1350.3	1322.5
25°	1524.0	1528.6	1498.5	1456.8	1422.1	1412.8	1438.3	1466.1	1470.7	1436.0	1389.6
27.5°	1737.1	1730.1	1713.9	1646.7	1579.6	1537.9	1551.8	1581.9	1584.2	1547.1	1473.0
30°	1987.2	1975.6	1933.9	1864.4	1760.2	1702.3	1690.7	1716.2	1723.2	1660.6	1554.1
32.5°	2265.1	2253.5	2200.3	2093.7	1980.2	1883.0	1845.9	1880.7	1876.0	1804.2	1656.0
35°	2601.0	2598.6	2501.4	2369.3	2225.8	2096.0	2045.1	2045.1	2059.0	1952.5	1785.7
37.5°	3050.3	3068.8	2925.2	2719.1	2517.6	2343.9	2258.2	2253.5	2255.9	2140.1	1931.6
40°	3455.6	3448.6	3365.3	3173.0	2878.9	2656.5	2529.2	2501.4	2508.3	2360.1	2121.5
42.5°	3689.5	3696.5	3675.6	3592.2	3335.2	3054.9	2837.2	2763.1	2765.4	2580.1	2302.2
45°	3835.4	3842.4	3840.1	3881.7	3779.8	3515.8	3205.5	3034.1	3024.8	2830.2	2515.3
47.5°	3918.8	3923.4	3953.5	4039.2	4122.6	4062.4	3613.1	3335.2	3316.6	3064.2	2728.3
50°	3826.2	3828.5	3948.9	4152.7	4356.5	4539.5	4030.0	3633.9	3629.3	3323.6	2936.8
52.5°	3339.8	3381.5	3647.8	4074.0	4530.2	4877.7	4511.7	3986.0	3946.6	3569.1	3145.2
55°	2726.0	2744.6	3050.3	3592.2	4497.8	5086.1	4875.3	4365.8	4338.0	3842.4	3349.0
57.5°	2128.5	2147.0	2510.6	2962.3	4002.2	5074.5	5132.4	4775.8	4713.2	4080.9	3552.9
60°	1373.4	1431.3	1852.9	2408.7	3240.2	4722.5	5262.1	5169.5	5111.6	4317.2	3726.6
62.5°	933.4	942.6	1206.7	1785.7	2424.9	3837.7	5252.9	5412.7	5403.4	4553.4	3900.3
65°	606.8	620.7	780.5	1209.0	1734.7	2547.7	5021.3	5530.8	5540.1	4699.3	4013.8
66°	514.2	523.4	646.2	1016.8	1519.3	2019.6	4817.4	5521.5	5540.1	4766.5	4048.5
67.5°	447.0	454.0	516.5	750.4	1241.4	1452.2	4287.1	5398.8	5452.0	4829.0	4092.5
70°	384.5	393.7	451.6	511.9	887.1	847.7	2714.4	5083.8	5137.1	4859.1	4120.3
72.5°	317.3	324.3	382.2	463.2	643.9	569.8	1197.4	4351.9	4486.2	4748.0	4076.3
75°	250.1	254.8	308.0	386.8	493.3	444.7	521.1	3191.6	3360.6	4185.2	3904.9
77.5°	194.6	196.9	238.6	301.1	451.6	345.1	321.9	1554.1	1966.3	3233.2	3439.4
80°	134.3	139.0	176.0	227.0	331.2	273.3	215.4	606.8	771.3	2147.0	2607.9
82.5°	88.0	90.3	120.4	171.4	220.0	261.7	141.3	294.1	324.3	989.0	1130.2
85°	60.2	60.2	85.7	106.5	150.5	173.7	92.6	155.2	169.1	375.2	136.6
87.5°	30.1	30.1	41.7	55.6	71.8	67.2	55.6	55.6	55.6	122.8	39.4
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°	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9	951.9
2.5°	956.5	956.5	958.9	961.2	963.5	963.5	965.8	965.8	963.5	965.8	968.1
5°	977.4	979.7	984.3	991.3	1002.9	1014.4	1026.0	1033.0	1039.9	1042.2	1037.6
7.5°	1009.8	1014.4	1030.7	1049.2	1067.7	1095.5	1111.7	1121.0	1125.6	1130.2	1125.6
10°	1051.5	1060.8	1083.9	1116.3	1148.8	1183.5	1202.0	1215.9	1218.3	1222.9	1218.3
12.5°	1100.1	1116.3	1151.1	1197.4	1236.8	1271.5	1285.4	1276.2	1255.3	1246.0	1243.7
15°	1158.0	1174.3	1222.9	1280.8	1327.1	1343.3	1322.5	1292.4	1269.2	1266.9	1264.6
17.5°	1209.0	1232.2	1299.3	1359.5	1403.5	1387.3	1331.7	1313.2	1306.3	1315.5	1313.2
20°	1273.8	1292.4	1359.5	1433.7	1456.8	1394.3	1354.9	1343.3	1336.4	1336.4	1331.7
22.5°	1327.1	1341.0	1422.1	1503.1	1489.2	1398.9	1371.1	1348.0	1324.8	1322.5	1315.5
25°	1389.6	1394.3	1480.0	1568.0	1493.9	1403.5	1354.9	1315.5	1292.4	1285.4	1287.7
27.5°	1447.5	1459.1	1533.2	1612.0	1482.3	1378.1	1299.3	1248.4	1213.6	1211.3	1211.3
30°	1521.7	1521.7	1588.8	1660.6	1456.8	1313.2	1209.0	1134.9	1107.1	1104.8	1100.1
32.5°	1605.0	1591.1	1656.0	1695.4	1401.2	1225.2	1086.2	1002.9	958.9	949.6	942.6
35°	1720.8	1690.7	1737.1	1702.3	1345.6	1100.1	931.1	836.1	803.7	789.8	789.8
37.5°	1855.2	1811.2	1859.8	1681.5	1259.9	954.2	768.9	697.1	662.4	641.6	648.5
40°	2012.7	1957.1	1984.9	1658.3	1167.3	792.1	634.6	590.6	548.9	521.1	521.1
42.5°	2198.0	2105.3	2126.2	1635.2	1035.3	650.8	548.9	518.8	486.4	458.6	465.5
45°	2376.3	2286.0	2265.1	1612.0	896.3	555.9	514.2	493.3	463.2	430.8	430.8
47.5°	2582.4	2466.6	2387.9	1570.3	759.7	525.7	523.4	493.3	435.4	389.1	384.5
50°	2777.0	2670.4	2499.0	1507.8	683.2	551.2	521.1	449.3	393.7	363.6	361.3
52.5°	2983.1	2871.9	2589.4	1431.3	643.9	539.6	479.4	412.3	370.6	340.5	333.5
55°	3186.9	3129.0	2670.4	1357.2	581.3	502.6	444.7	389.1	345.1	317.3	312.7
57.5°	3418.5	3395.4	2739.9	1283.1	484.1	456.3	419.2	372.9	331.2	310.4	308.0
60°	3620.0	3701.1	2823.3	1227.5	412.3	421.5	407.6	370.6	340.5	317.3	317.3
62.5°	3833.1	3995.2	2897.4	1155.7	359.0	400.7	409.9	368.3	328.9	308.0	308.0
65°	4018.4	4296.3	2973.8	1023.7	321.9	384.5	403.0	342.8	296.5	280.2	275.6
66°	4097.1	4382.0	2997.0	942.6	308.0	372.9	391.4	328.9	282.6	268.7	266.3
67.5°	4189.8	4516.4	3024.8	768.9	287.2	347.4	365.9	308.0	259.4	250.1	245.5
70°	4319.5	4544.1	3008.6	502.6	250.1	298.8	326.6	275.6	231.6	224.7	217.7
72.5°	4333.4	4354.2	2846.5	317.3	217.7	257.1	287.2	247.8	203.8	196.9	192.2
75°	4104.1	3858.6	2408.7	227.0	192.2	227.0	252.5	215.4	169.1	159.8	155.2
77.5°	3504.2	3061.9	1732.4	169.1	166.8	194.6	210.8	187.6	141.3	134.3	132.0
80°	2459.7	2077.5	868.5	127.4	132.0	162.1	176.0	157.5	118.1	108.9	104.2
82.5°	995.9	882.4	298.8	95.0	99.6	122.8	150.5	129.7	90.3	78.7	69.5
85°	113.5	192.2	129.7	64.9	67.2	83.4	101.9	78.7	53.3	44.0	37.1
87.5°	23.2	41.7	46.3	25.5	23.2	32.4	46.3	27.8	18.5	6.9	9.3
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)