

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: P595132

Luminaire Tested: **IST-PA1C-735-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-PA1C-735-U-T3
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6163 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

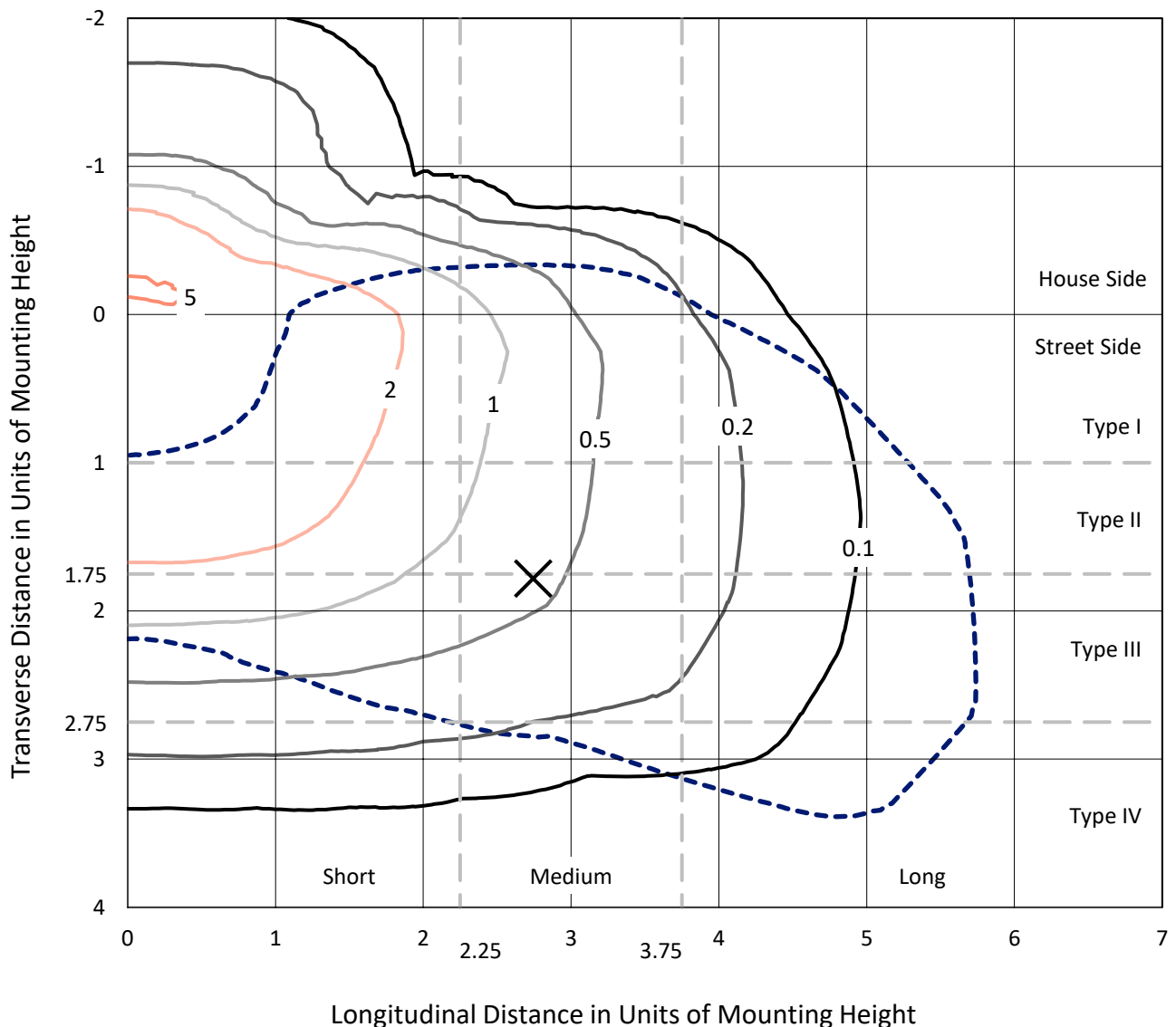
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

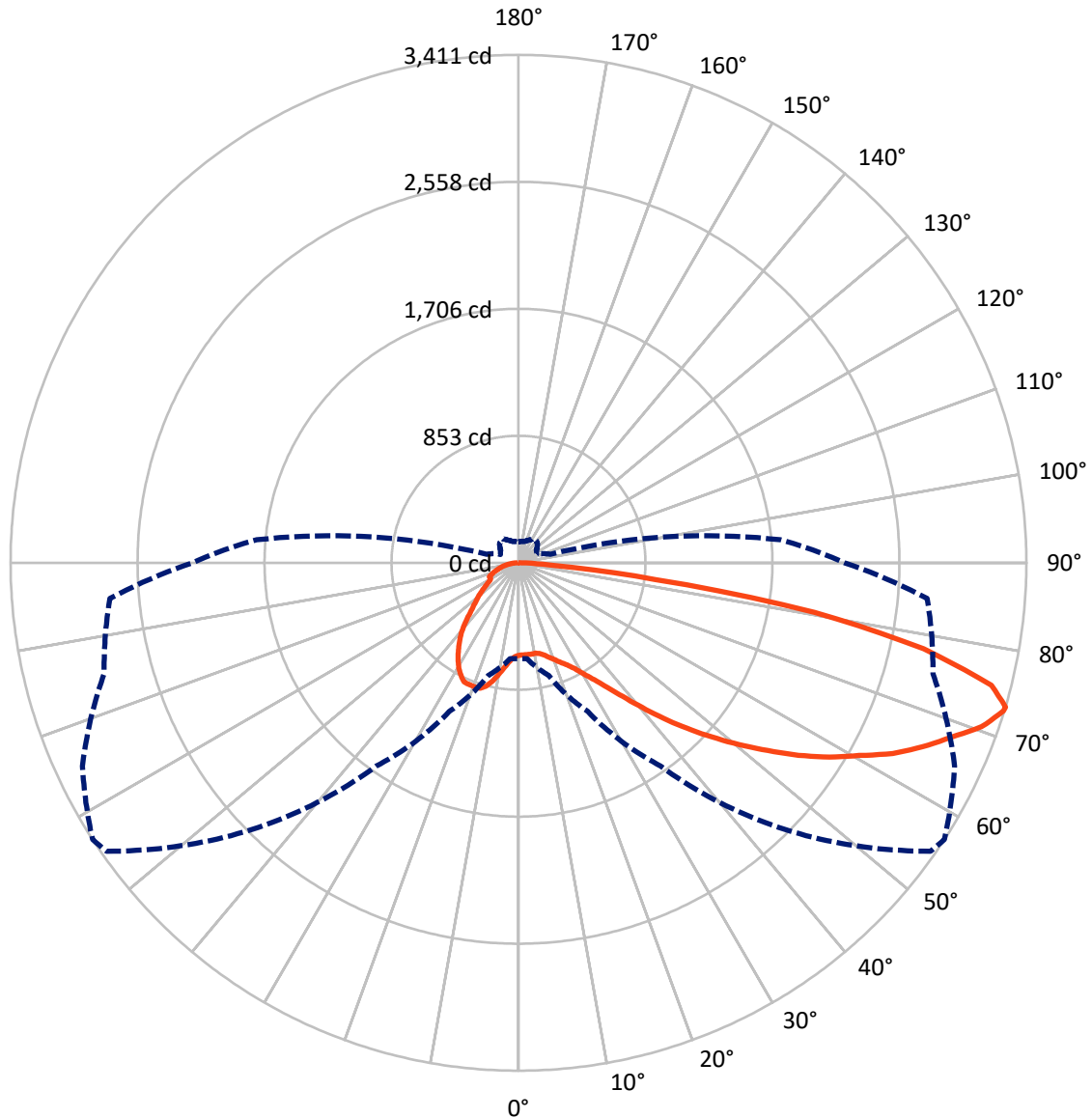
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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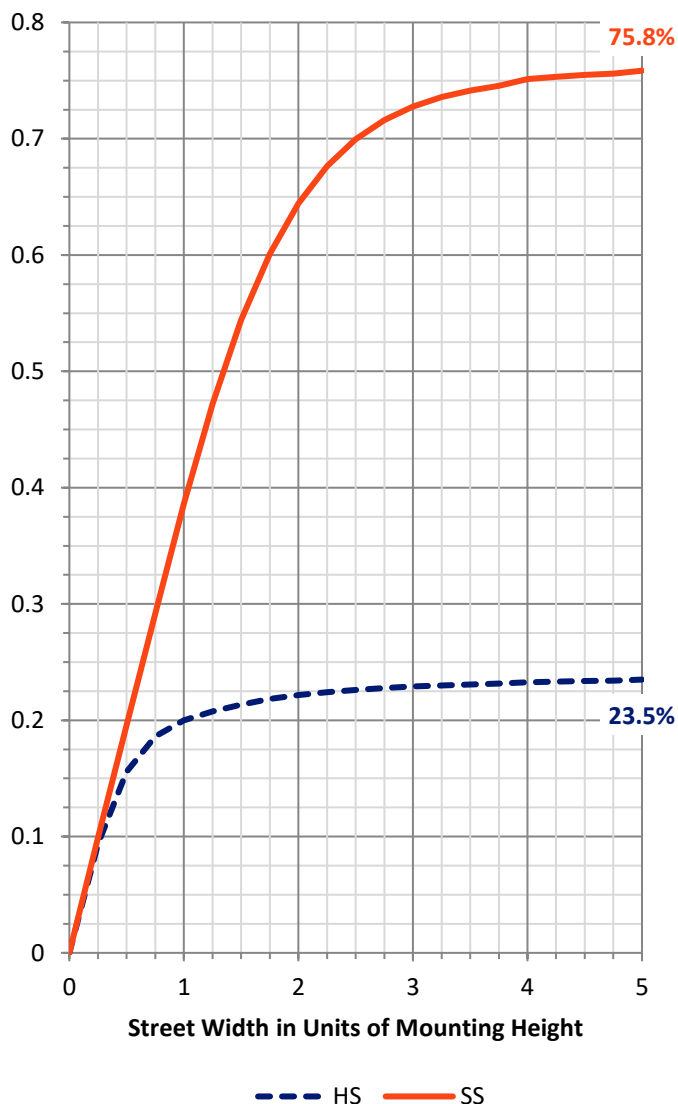
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1470.3	0.0	1470.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4692.7	0.0	4692.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	6163.0	0.0	6163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	1.0
10°-20°	203.9	3.3
20°-30°	376.4	6.1
30°-40°	581.2	9.4
40°-50°	874.8	14.2
50°-60°	1280.4	20.8
60°-70°	1512.1	24.5
70°-80°	1082.6	17.6
80°-90°	189.7	3.1
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°	6163.0	100.0
0°-180°	6163.0	100.0

Coefficient of Utilization

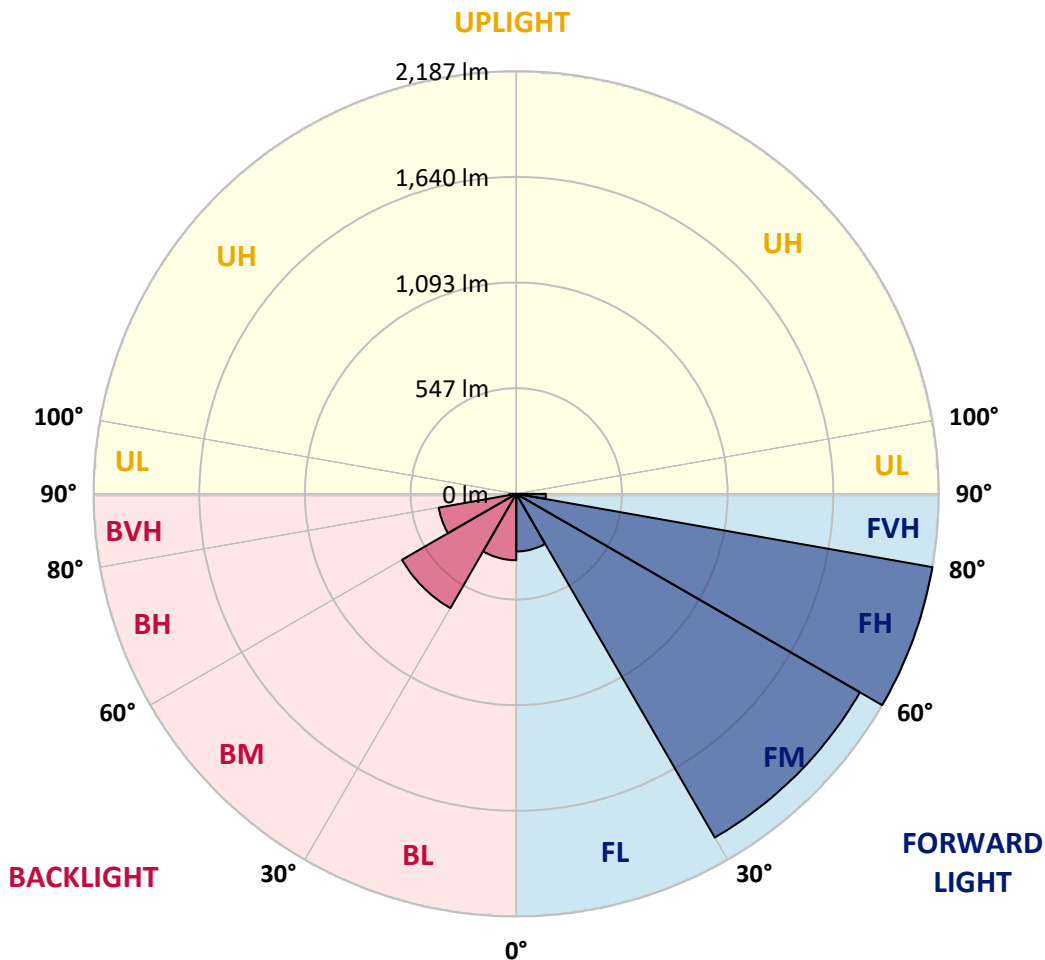


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.6	4.8			
FM (30°-60°)	2053.7	33.3			
FH (60°-80°)	2187.0	35.5			G2/5000
FVH (80°-90°)	153.5	2.5			G2/225
BL (0°-30°)	343.6	5.6	B1/500		
BM (30°-60°)	682.8	11.1	B1/1000		
BH (60°-80°)	407.7	6.6	B1/500		G1/500
BVH (80°-90°)	36.2	0.6			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9
2.5°	613.4	616.4	614.9	616.4	620.9	617.9	617.9	619.4	620.9	619.4	622.4
5°	587.7	589.2	592.2	598.3	608.8	611.9	619.4	619.4	622.4	625.5	630.0
7.5°	545.4	548.4	554.5	560.5	578.6	596.8	616.4	619.4	630.0	637.5	640.6
10°	537.8	540.9	542.4	551.4	569.6	587.7	611.9	617.9	637.5	649.6	663.2
12.5°	530.3	533.3	537.8	549.9	572.6	592.2	617.9	623.9	648.1	672.3	688.9
15°	536.3	537.8	542.4	554.5	577.1	604.3	637.5	642.1	669.3	699.5	725.2
17.5°	551.4	552.9	551.4	562.0	583.2	614.9	660.2	667.8	701.0	731.2	756.9
20°	586.2	587.7	581.6	581.6	596.8	628.5	684.4	695.0	735.7	769.0	794.7
22.5°	661.7	658.7	643.6	623.9	623.9	649.6	711.6	726.7	778.0	805.2	827.9
25°	769.0	769.0	744.8	708.5	684.4	681.4	743.3	759.9	820.3	853.6	867.2
27.5°	898.9	900.4	861.1	812.8	766.0	743.3	788.6	805.2	873.2	908.0	912.5
30°	1013.7	1015.2	976.0	930.6	873.2	823.4	849.1	867.2	945.7	972.9	957.8
32.5°	1128.5	1130.1	1102.9	1040.9	980.5	918.5	926.1	936.7	1016.7	1042.4	1018.3
35°	1228.3	1232.8	1205.6	1158.8	1095.3	1039.4	1025.8	1027.3	1099.8	1116.5	1084.7
37.5°	1329.5	1329.5	1312.9	1269.0	1214.7	1152.7	1134.6	1139.1	1204.1	1220.7	1175.4
40°	1457.9	1463.9	1454.9	1400.5	1338.5	1287.2	1269.0	1275.1	1346.1	1337.0	1288.7
42.5°	1613.5	1627.1	1612.0	1553.1	1486.6	1429.2	1429.2	1429.2	1489.6	1491.1	1418.6
45°	1812.9	1812.9	1797.8	1746.4	1658.8	1601.4	1581.8	1586.3	1639.2	1645.2	1560.6
47.5°	1979.1	1994.2	1977.6	1939.8	1870.3	1815.9	1754.0	1746.4	1790.3	1790.3	1717.7
50°	2113.6	2140.8	2127.2	2143.8	2093.9	2066.7	1939.8	1918.7	1933.8	1948.9	1868.8
52.5°	2225.4	2246.5	2242.0	2290.3	2314.5	2329.6	2128.7	2095.4	2107.5	2106.0	2033.5
55°	2232.9	2240.5	2308.5	2417.2	2512.4	2583.4	2319.0	2282.8	2270.7	2264.6	2208.7
57.5°	2189.1	2193.6	2329.6	2458.0	2665.0	2746.6	2498.8	2462.5	2445.9	2424.8	2402.1
60°	2083.3	2106.0	2284.3	2482.2	2755.6	2873.5	2666.5	2628.7	2616.6	2571.3	2622.7
62.5°	1948.9	1959.5	2137.7	2432.3	2767.7	2927.9	2843.3	2820.6	2782.8	2717.9	2819.1
65°	1758.5	1757.0	1914.1	2285.8	2705.8	2955.1	2992.8	2980.7	2933.9	2822.1	2994.3
67.5°	1444.3	1479.0	1633.1	2025.9	2556.2	2982.3	3145.4	3130.3	3056.3	2915.8	3077.4
70°	1101.3	1122.5	1297.7	1636.2	2258.6	2908.2	3295.0	3299.5	3165.1	2935.4	3041.2
72.5°	702.5	738.8	877.8	1192.0	1808.4	2633.3	3384.1	3405.3	3225.5	2908.2	2816.1
73°	643.6	646.6	782.6	1102.9	1667.9	2535.1	3378.1	3411.3	3231.5	2881.0	2754.1
75°	383.7	400.4	481.9	732.7	1190.5	2036.5	3214.9	3281.4	3199.8	2760.2	2414.2
77.5°	179.8	191.9	237.2	386.8	648.1	1225.2	2702.8	2781.3	2835.7	2415.7	1840.1
80°	95.2	96.7	116.3	194.9	347.5	504.6	1883.9	2013.9	2090.9	1819.0	1237.3
82.5°	80.1	80.1	90.6	125.4	222.1	196.4	776.5	924.6	1133.1	895.9	486.5
85°	65.0	66.5	90.6	93.7	158.6	101.2	185.8	232.7	439.6	395.8	54.4
87.5°	21.2	24.2	51.4	66.5	84.6	39.3	46.8	51.4	51.4	75.5	18.1
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°	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9	620.9
2.5°	623.9	623.9	625.5	627.0	630.0	630.0	633.0	634.5	637.5	639.1	634.5
5°	630.0	633.0	636.0	645.1	655.7	664.7	673.8	681.4	688.9	693.4	691.9
7.5°	646.6	651.1	663.2	679.8	701.0	714.6	728.2	741.8	747.8	750.9	750.9
10°	669.3	678.3	701.0	728.2	752.4	773.5	784.1	793.2	796.2	799.2	796.2
12.5°	701.0	713.1	747.8	782.6	809.8	820.3	818.8	806.7	790.1	787.1	784.1
15°	741.8	756.9	796.2	837.0	858.1	844.5	809.8	797.7	794.7	803.7	800.7
17.5°	776.5	794.7	843.0	885.3	880.8	833.9	823.4	829.4	826.4	827.9	827.9
20°	809.8	835.5	886.8	915.5	876.2	846.0	837.0	829.4	820.3	823.4	820.3
22.5°	852.1	870.2	929.1	930.6	870.2	846.0	826.4	811.3	808.3	809.8	811.3
25°	885.3	914.0	965.4	920.1	870.2	821.9	794.7	791.6	793.2	802.2	799.2
27.5°	930.6	959.3	994.1	914.0	833.9	782.6	772.0	770.5	759.9	762.9	762.9
30°	972.9	1007.7	1009.2	914.0	788.6	749.3	734.2	707.0	684.4	688.9	687.4
32.5°	1030.3	1060.6	1012.2	877.8	737.3	705.5	664.7	622.4	611.9	617.9	619.4
35°	1096.8	1121.0	1015.2	817.3	685.9	643.6	569.6	545.4	543.9	548.4	552.9
37.5°	1184.4	1198.0	1037.9	747.8	636.0	546.9	489.5	483.4	469.8	460.8	462.3
40°	1291.7	1275.1	1081.7	685.9	577.1	459.3	435.1	418.5	392.8	367.1	371.6
42.5°	1411.1	1364.2	1095.3	636.0	497.0	404.9	382.2	356.5	324.8	297.6	296.1
45°	1539.5	1463.9	1083.2	596.8	417.0	364.1	339.9	309.7	271.9	249.3	249.3
47.5°	1692.1	1559.1	1045.5	565.0	361.1	327.8	297.6	267.4	241.7	220.6	220.6
50°	1859.8	1669.4	1018.3	509.1	321.8	293.1	262.9	238.7	219.1	202.4	202.4
52.5°	2036.5	1773.6	995.6	427.5	287.0	261.4	240.2	220.6	204.0	182.8	179.8
55°	2216.3	1873.4	1006.2	349.0	255.3	238.7	225.1	205.5	199.4	194.9	191.9
57.5°	2403.6	1982.1	1031.9	285.5	228.1	226.6	220.6	234.2	247.8	238.7	234.2
60°	2550.2	2066.7	1034.9	240.2	211.5	238.7	268.9	273.4	237.2	216.0	214.5
62.5°	2666.5	2146.8	963.9	208.5	216.0	281.0	287.0	241.7	205.5	196.4	196.4
65°	2726.9	2175.5	775.0	190.4	225.1	268.9	259.9	217.6	191.9	190.4	190.4
67.5°	2696.7	2152.8	542.4	170.7	199.4	232.7	232.7	199.4	176.8	184.3	181.3
70°	2551.7	2041.0	358.1	154.1	175.2	210.0	216.0	185.8	164.7	169.2	164.7
72.5°	2249.5	1841.6	235.7	136.0	151.1	185.8	200.9	170.7	151.1	149.6	145.0
73°	2190.6	1766.1	222.1	132.9	146.5	179.8	196.4	167.7	148.1	143.5	140.5
75°	1858.2	1473.0	167.7	119.4	129.9	161.7	182.8	157.1	136.0	129.9	126.9
77.5°	1353.6	1021.3	125.4	101.2	108.8	140.5	161.7	143.5	120.9	113.3	111.8
80°	844.5	556.0	93.7	81.6	86.1	117.8	142.0	128.4	104.2	95.2	93.7
82.5°	330.9	181.3	65.0	60.4	63.5	89.1	119.4	111.8	87.6	80.1	75.5
85°	54.4	61.9	42.3	40.8	40.8	63.5	90.6	86.1	58.9	51.4	45.3
87.5°	15.1	28.7	16.6	15.1	15.1	27.2	49.9	39.3	24.2	19.6	18.1
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)