

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: P940074

Luminaire Tested: **GALN-SB3A-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8119 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

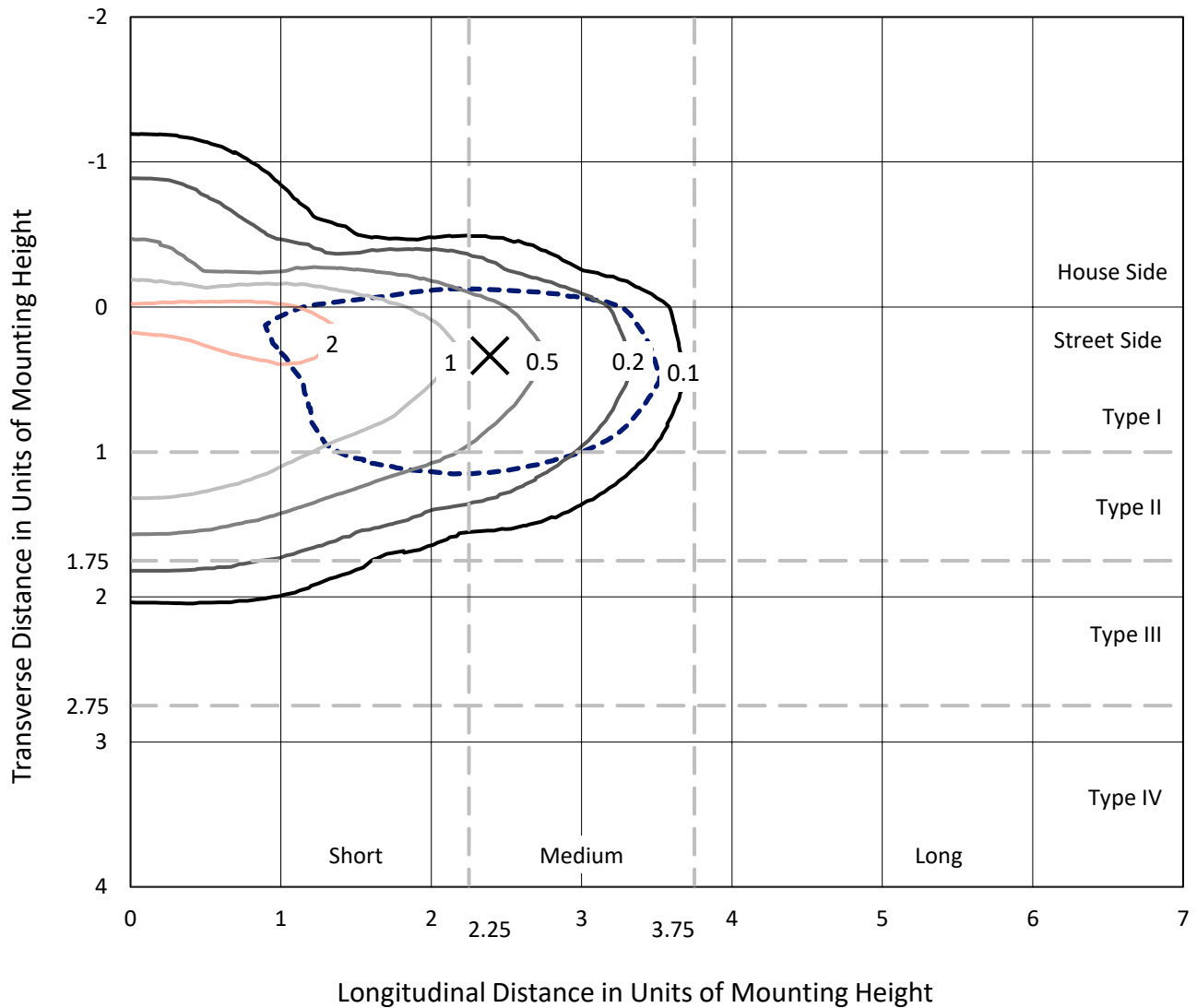
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

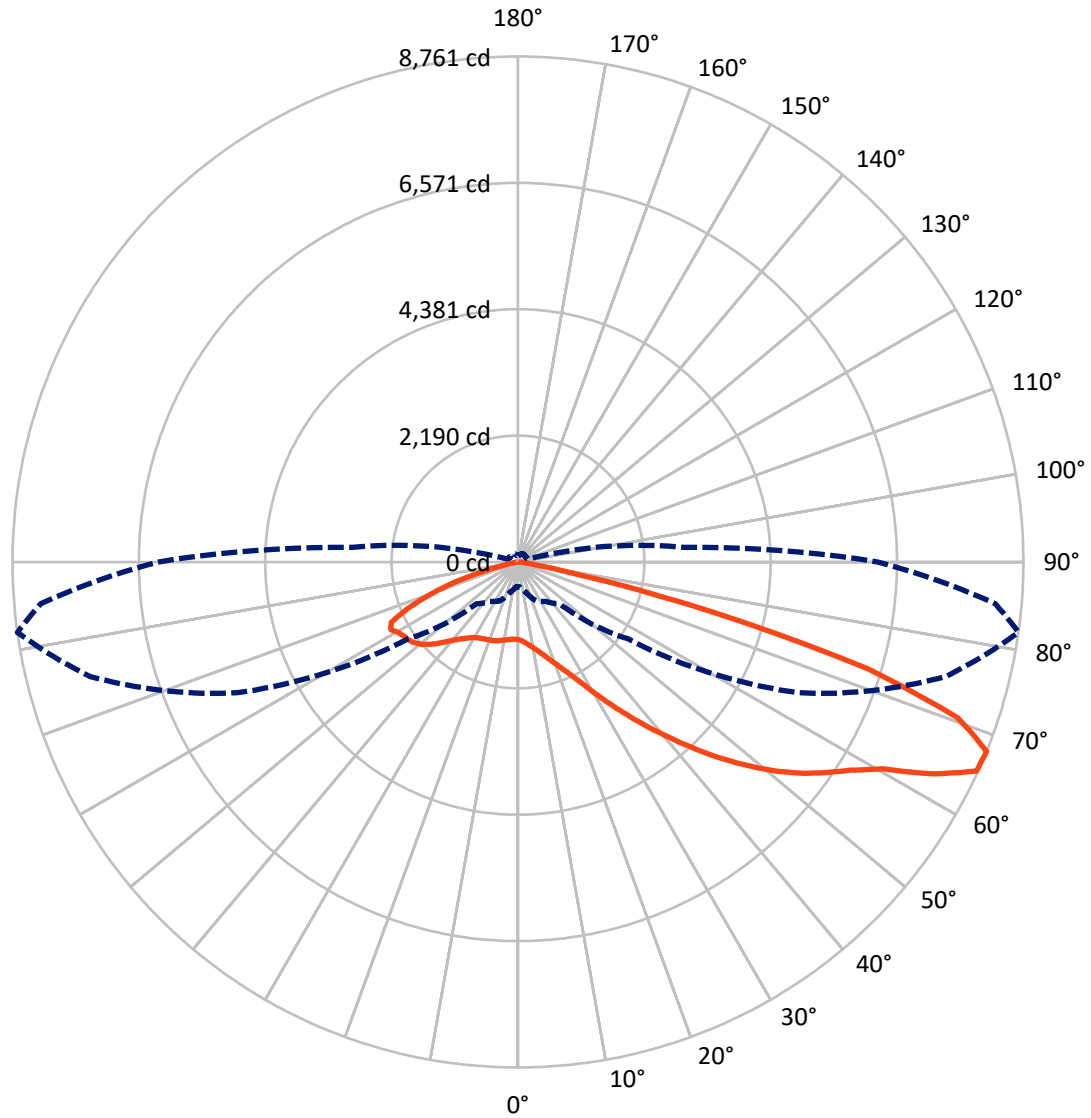
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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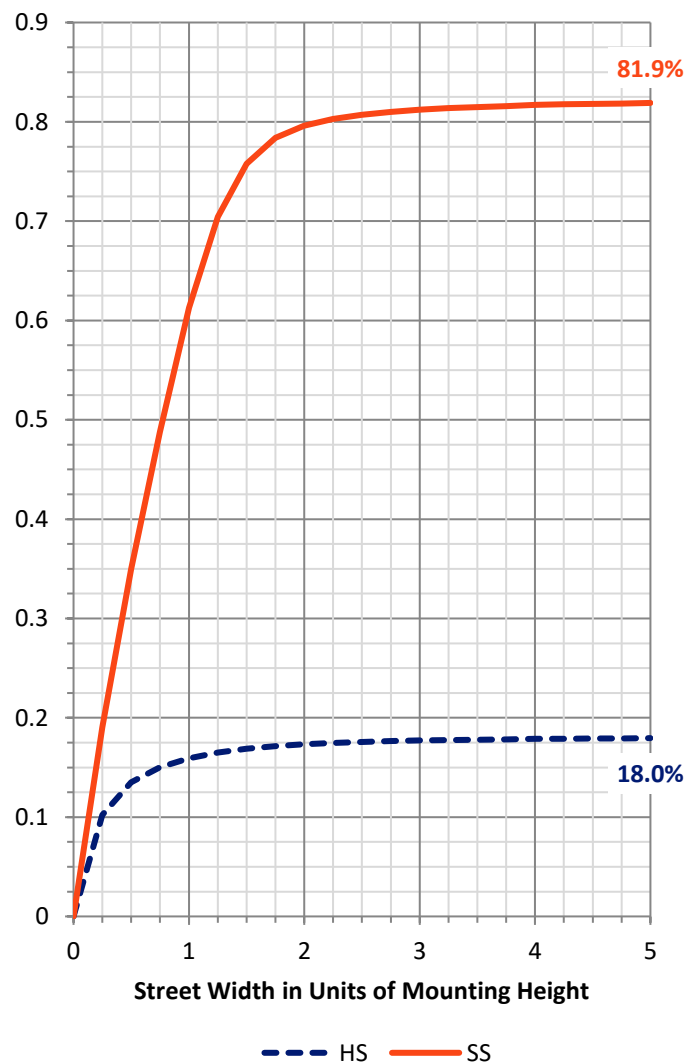
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1470.7	0.0	1470.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6648.3	0.0	6648.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	8119.0	0.0	8119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	1.5
10°-20°	311.4	3.8
20°-30°	498.8	6.1
30°-40°	882.0	10.9
40°-50°	1545.3	19.0
50°-60°	2061.0	25.4
60°-70°	1918.7	23.6
70°-80°	736.4	9.1
80°-90°	45.7	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°	8119.0	100.0
0°-180°	8119.0	100.0

Coefficient of Utilization



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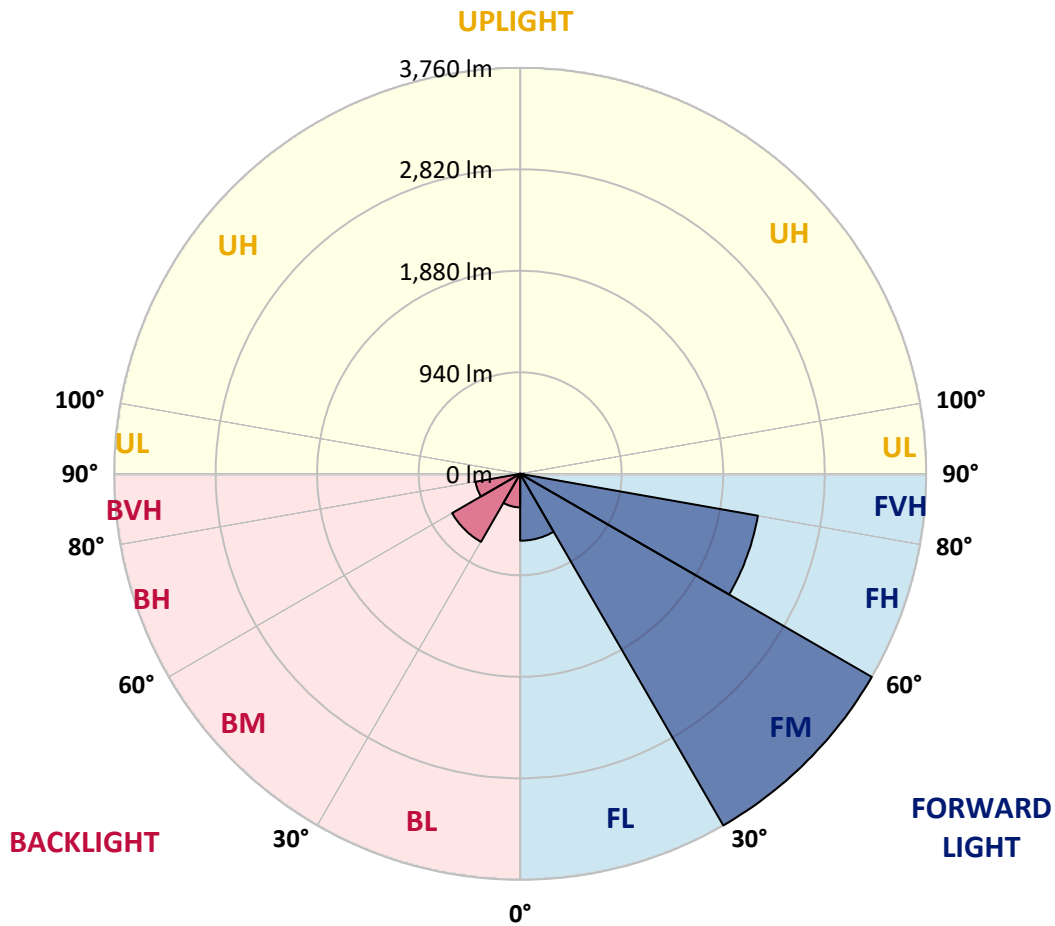
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.4	7.6			
FM (30°-60°)	3760.4	46.3			
FH (60°-80°)	2235.3	27.5			G2/5000
FVH (80°-90°)	33.3	0.4			G1/100
BL (0°-30°)	310.6	3.8	B1/500		
BM (30°-60°)	727.8	9.0	B1/1000		
BH (60°-80°)	419.8	5.2	B1/500		G1/500
BVH (80°-90°)	12.5	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0
2.5°	1421.6	1429.8	1425.1	1422.8	1418.7	1412.9	1408.2	1393.6	1378.4	1368.4	1364.9
5°	1450.3	1458.4	1457.9	1460.2	1463.1	1464.9	1463.7	1447.3	1425.7	1408.8	1398.8
7.5°	1425.7	1435.1	1442.7	1454.4	1474.8	1496.4	1507.0	1503.5	1481.2	1457.9	1445.6
10°	1356.1	1366.1	1384.2	1411.7	1454.9	1501.7	1540.9	1559.0	1545.0	1519.2	1502.3
12.5°	1228.7	1238.7	1274.3	1333.9	1406.4	1487.7	1562.5	1611.0	1614.5	1588.8	1568.9
15°	1085.5	1095.4	1133.4	1208.3	1318.7	1449.1	1574.2	1666.0	1696.9	1674.7	1650.8
17.5°	996.7	1005.4	1034.1	1094.3	1209.4	1371.9	1570.1	1724.4	1795.1	1777.6	1749.0
20°	969.8	977.4	990.8	1032.9	1128.8	1291.8	1543.2	1779.4	1900.9	1891.0	1858.9
22.5°	998.4	1005.4	1009.5	1028.2	1088.4	1239.2	1509.3	1835.5	2023.7	2024.9	1985.7
25°	1064.5	1071.5	1066.8	1078.5	1104.8	1222.9	1496.4	1901.5	2178.0	2190.9	2146.5
27.5°	1173.2	1173.8	1162.7	1162.1	1166.2	1247.4	1509.9	1972.3	2372.7	2396.6	2341.7
30°	1391.2	1382.5	1339.8	1293.6	1272.6	1321.1	1547.3	2055.9	2602.4	2645.1	2576.1
32.5°	1727.3	1714.5	1636.1	1525.7	1414.6	1439.7	1614.5	2151.1	2852.6	2929.8	2845.6
35°	2092.1	2088.6	2006.8	1842.5	1648.4	1608.7	1723.8	2276.2	3125.6	3248.3	3148.4
37.5°	2431.1	2429.4	2382.6	2189.1	1953.0	1844.2	1899.2	2439.9	3417.8	3595.6	3477.5
40°	2740.9	2746.2	2699.4	2526.4	2288.5	2146.5	2137.7	2642.2	3742.9	3973.8	3833.5
42.5°	3008.7	3014.5	2967.2	2839.1	2619.9	2480.8	2430.5	2890.0	4060.3	4380.0	4214.0
45°	3190.5	3226.7	3219.7	3117.4	2960.1	2815.8	2782.4	3201.0	4422.1	4810.8	4616.2
47.5°	3241.9	3275.2	3327.8	3341.9	3246.0	3103.9	3143.7	3575.7	4788.0	5242.2	5020.7
50°	3115.1	3146.0	3255.3	3400.9	3467.5	3423.7	3495.0	3977.3	5162.7	5672.4	5417.6
52.5°	2864.9	2896.4	3034.4	3264.7	3536.5	3674.5	3847.5	4373.0	5525.7	6079.9	5793.4
55°	2503.0	2536.4	2713.5	2974.2	3405.0	3777.9	4141.5	4768.2	5858.3	6446.4	6132.5
57.5°	2010.8	2035.4	2219.5	2584.3	3074.1	3675.0	4358.4	5199.5	6171.7	6806.5	6468.6
60°	1310.6	1332.2	1546.1	1953.0	2525.8	3331.3	4401.6	5680.6	6587.8	7274.7	6921.6
62.5°	871.6	886.2	1013.0	1311.7	1778.8	2671.4	4148.5	6064.7	7198.1	8089.6	7698.5
65°	598.0	612.6	739.5	947.6	1149.2	1767.1	3420.8	6013.8	7751.1	8736.6	8274.3
67.5°	426.7	439.0	546.6	743.0	831.8	1026.5	2318.9	5363.8	7671.6	8761.2	8305.2
70°	305.7	312.7	401.6	578.7	661.1	616.7	1289.5	4102.4	6717.0	8090.1	7672.8
72.5°	213.9	216.3	278.8	440.7	532.5	450.1	613.8	2735.1	5080.3	6349.9	5948.4
75°	145.0	147.9	187.6	323.3	427.3	343.7	325.0	1466.6	2982.4	3514.9	3150.7
77.5°	88.9	90.0	121.0	221.0	319.7	261.9	209.3	621.4	1153.9	1132.9	965.7
80°	50.3	50.3	77.2	137.4	218.0	168.9	146.7	264.2	365.3	320.9	282.9
82.5°	28.1	28.6	56.1	85.3	144.4	100.0	80.7	122.2	157.8	139.7	121.6
85°	11.7	12.9	34.5	40.3	69.0	49.7	32.7	51.4	58.5	52.0	38.0
87.5°	1.2	1.8	10.5	7.6	8.2	9.9	4.7	9.9	8.2	8.2	5.8
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°	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0	1345.0
2.5°	1353.8	1345.0	1322.8	1297.1	1263.2	1246.8	1224.6	1209.4	1196.6	1197.7	1186.0
5°	1380.1	1357.9	1308.2	1246.3	1169.1	1114.1	1055.7	1015.4	982.6	975.6	959.8
7.5°	1416.4	1381.3	1294.2	1182.5	1052.2	953.4	865.1	808.4	768.1	755.2	742.4
10°	1463.1	1412.3	1276.1	1102.5	914.8	789.1	694.4	650.0	622.5	613.2	606.2
12.5°	1517.5	1447.9	1252.1	1004.8	773.4	652.4	592.1	569.9	561.2	558.2	556.5
15°	1585.9	1492.3	1215.9	889.1	653.5	568.8	543.0	540.1	541.3	540.1	539.5
17.5°	1667.1	1540.9	1156.8	769.8	572.9	526.1	516.7	519.1	522.0	521.4	520.2
20°	1756.0	1588.8	1081.4	664.0	517.9	495.7	490.4	492.8	495.1	493.9	493.4
22.5°	1857.1	1640.2	997.8	581.6	481.1	467.6	461.8	462.4	462.4	460.0	458.9
25°	1978.1	1696.9	910.1	523.2	453.0	442.5	435.5	433.1	429.6	422.6	421.5
27.5°	2122.5	1757.1	826.0	482.3	430.8	420.9	412.7	406.8	398.1	386.4	385.2
30°	2285.0	1830.2	754.7	456.5	413.3	403.3	394.0	385.2	372.4	357.7	356.6
32.5°	2476.1	1908.5	702.6	439.6	397.5	387.0	375.9	365.3	351.3	336.7	337.3
35°	2704.1	2003.2	672.2	427.9	385.2	371.2	358.9	347.2	336.7	323.8	322.7
37.5°	2951.4	2103.8	662.9	422.0	377.0	355.4	341.4	333.2	332.0	324.4	323.8
40°	3222.0	2223.0	669.9	418.5	368.3	340.2	325.0	323.3	326.2	312.7	313.3
42.5°	3508.5	2364.5	681.6	414.4	356.0	325.0	310.4	310.4	308.1	289.4	289.4
45°	3818.3	2527.6	693.3	404.5	341.4	309.8	298.7	294.6	284.7	266.6	266.0
47.5°	4130.4	2693.6	702.0	386.4	323.8	297.0	287.0	277.7	263.0	246.7	246.1
50°	4426.8	2842.7	692.7	359.5	304.0	284.7	274.2	261.3	245.5	234.4	232.6
52.5°	4691.6	2971.8	652.9	327.9	282.9	271.8	262.5	249.0	236.2	224.5	223.3
55°	4921.9	3076.5	582.8	298.1	264.2	260.7	251.4	234.4	216.9	206.9	205.8
57.5°	5142.8	3156.0	495.1	273.6	247.3	248.4	234.4	219.2	202.8	192.3	191.1
60°	5436.9	3262.4	406.3	250.8	229.1	232.6	217.5	206.3	185.9	172.4	170.7
62.5°	5906.9	3427.8	322.7	222.7	208.1	209.3	202.8	189.4	164.8	149.1	147.9
65°	6279.8	3367.0	254.3	192.3	184.1	185.9	185.9	171.3	145.0	126.8	125.1
67.5°	6237.7	2883.0	202.8	162.5	161.3	162.5	166.6	154.3	128.6	114.0	111.6
70°	5746.1	2293.2	162.5	135.0	140.3	137.4	149.1	140.9	115.7	101.1	99.4
72.5°	4688.7	1651.9	123.9	111.6	107.6	112.2	134.4	126.8	96.5	80.1	78.3
75°	2739.8	881.5	92.4	88.3	77.7	93.5	119.2	108.1	73.7	59.0	57.3
77.5°	892.0	307.5	67.8	64.9	57.9	75.4	101.7	91.2	60.2	46.8	45.0
80°	239.1	92.9	46.2	42.7	37.4	56.1	80.7	72.5	43.3	30.4	29.8
82.5°	95.9	39.2	26.9	24.0	20.5	38.6	63.7	58.5	32.2	19.3	19.3
85°	31.0	12.9	9.9	7.6	9.4	24.0	38.0	39.7	22.8	9.9	7.6
87.5°	4.1	1.8	1.8	2.3	1.8	4.1	11.7	11.1	6.4	1.2	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)