

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: P945561

Luminaire Tested: **GALN-SB1C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5152 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4
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

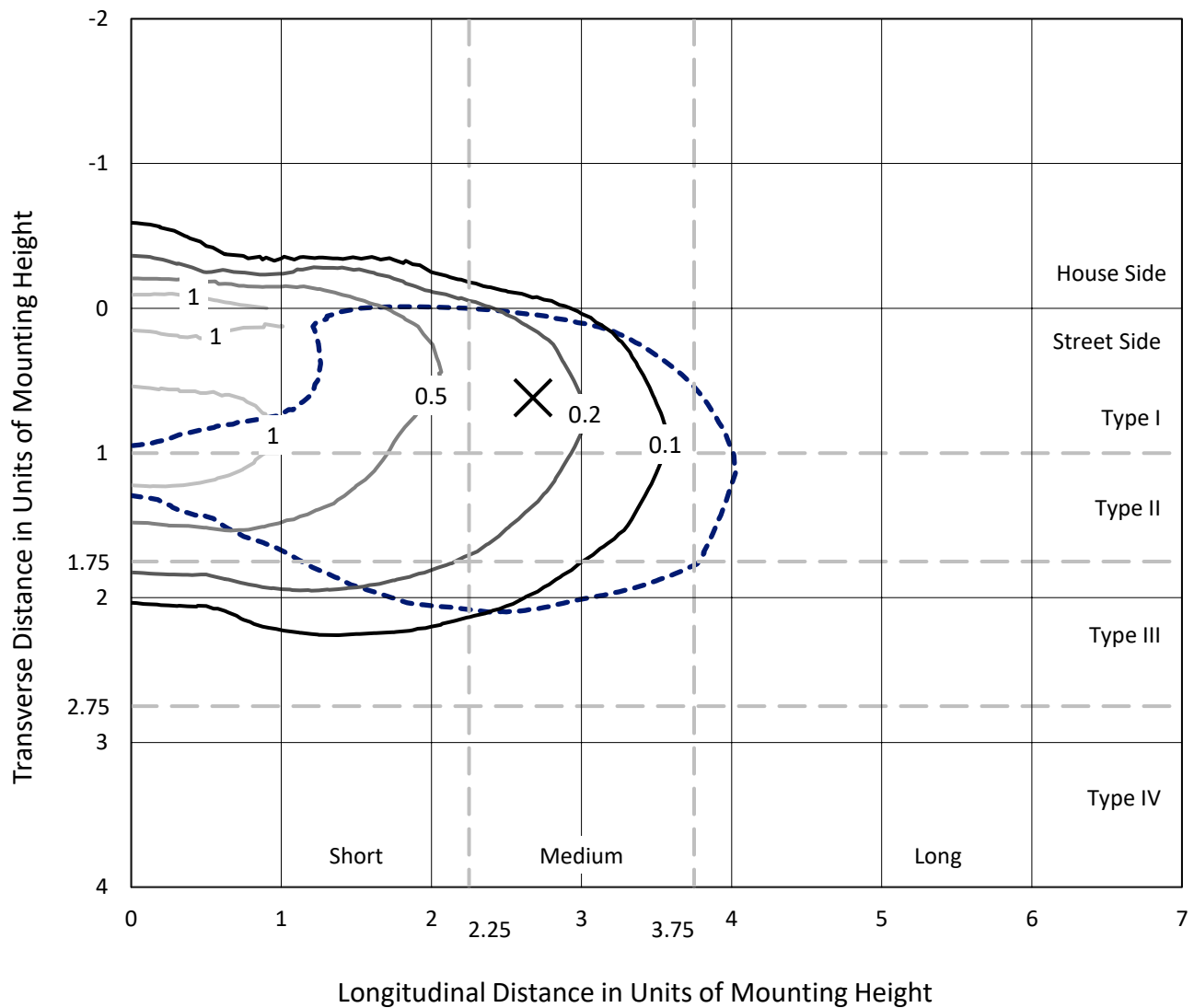


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Iso-Footcandle Lines of Horizontal Illumination

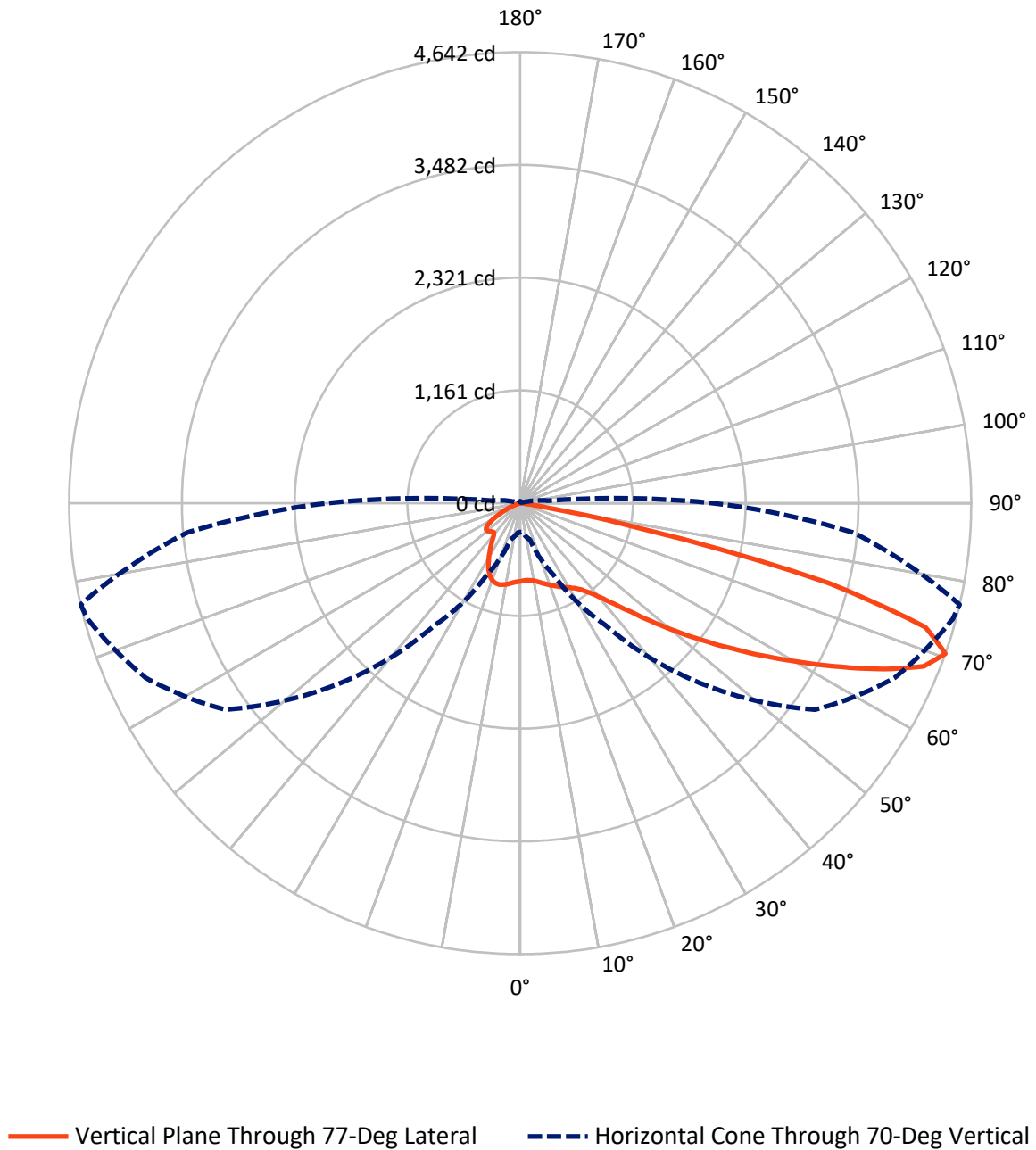
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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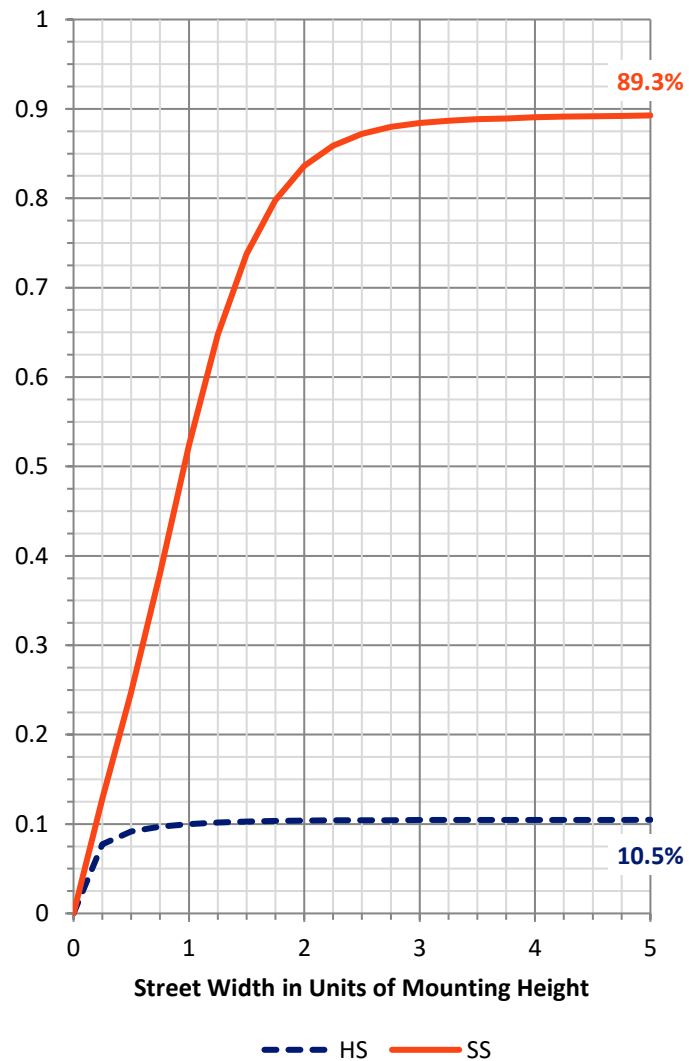
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	543.1	0.0	543.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4608.9	0.0	4608.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	5152.0	0.0	5152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.3
10°-20°	164.4	3.2
20°-30°	254.3	4.9
30°-40°	461.4	9.0
40°-50°	871.0	16.9
50°-60°	1258.6	24.4
60°-70°	1339.7	26.0
70°-80°	710.0	13.8
80°-90°	23.3	0.5
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°	5152.0	100.0
0°-180°	5152.0	100.0

Coefficient of Utilization



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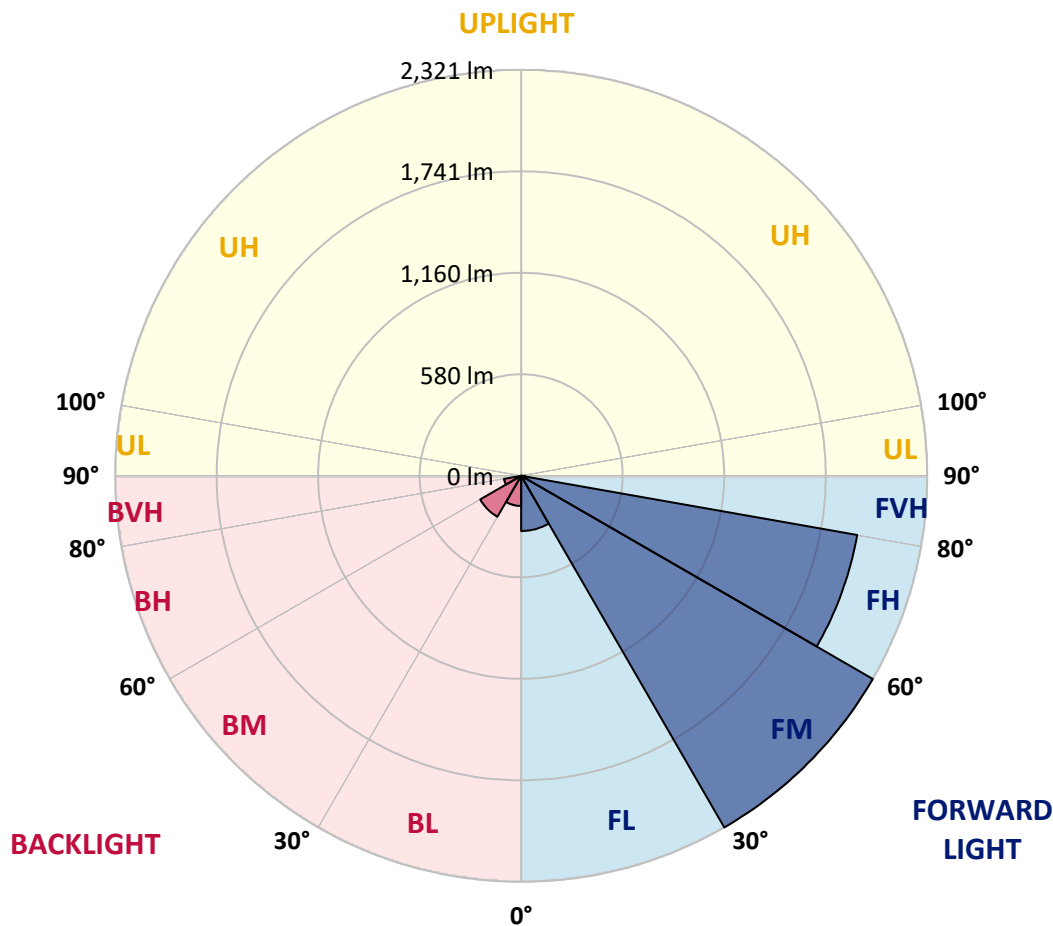
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.4	6.1			
FM	(30°-60°)	2320.7	45.0			
FH	(60°-80°)	1950.1	37.9			G2/5000
FVH	(80°-90°)	22.7	0.4			G1/100
BL	(0°-30°)	172.6	3.3	B1/500		
BM	(30°-60°)	270.4	5.2	B1/1000		
BH	(60°-80°)	99.6	1.9	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6
2.5°	754.5	761.3	760.3	764.9	766.5	773.0	779.5	788.3	798.1	797.8	804.3
5°	711.9	718.7	720.3	726.5	734.3	744.4	757.7	775.3	793.5	796.5	809.5
7.5°	661.4	668.6	672.8	685.2	699.5	720.3	742.1	767.8	798.1	802.3	827.4
10°	611.0	617.5	623.0	640.6	663.4	694.3	729.8	766.9	807.5	813.7	849.2
12.5°	579.8	586.0	592.1	607.4	635.7	673.5	721.6	771.4	823.1	831.9	878.8
15°	568.7	574.2	579.1	592.8	619.1	662.1	720.0	780.8	843.0	854.7	914.6
17.5°	570.3	573.3	576.5	586.9	612.6	656.9	722.9	797.1	866.4	876.8	950.4
20°	579.8	581.4	581.7	588.9	611.7	656.2	728.8	812.7	888.5	902.5	985.8
22.5°	591.8	592.5	591.8	596.7	617.8	661.1	736.6	831.6	913.3	926.3	1021.6
25°	648.1	635.7	620.1	610.7	628.3	670.6	748.3	857.0	940.3	953.0	1056.4
27.5°	822.8	787.4	731.4	668.6	649.7	684.2	764.6	882.7	967.6	979.0	1093.8
30°	1106.5	1060.0	965.0	823.5	718.7	712.8	785.7	908.4	996.6	1008.9	1133.9
32.5°	1390.9	1379.5	1269.8	1074.0	873.9	776.6	820.9	943.2	1034.9	1044.7	1187.9
35°	1678.5	1655.4	1565.6	1372.0	1113.0	906.4	879.4	988.7	1085.4	1096.4	1266.6
37.5°	1898.8	1884.8	1829.1	1669.7	1396.7	1106.8	979.6	1059.3	1158.6	1170.9	1367.5
40°	2093.3	2086.8	2067.9	1962.8	1714.0	1369.1	1135.5	1168.7	1260.1	1274.7	1491.1
42.5°	2246.2	2261.5	2272.3	2243.0	2040.9	1668.4	1345.0	1322.2	1401.6	1416.6	1648.6
45°	2402.7	2407.9	2451.2	2493.5	2365.6	1981.4	1581.2	1502.1	1577.6	1596.2	1837.3
47.5°	2503.3	2524.1	2600.2	2674.7	2638.6	2291.8	1835.0	1714.6	1781.6	1816.4	2048.7
50°	2510.7	2550.1	2654.9	2784.7	2837.4	2587.2	2110.9	1956.7	2027.9	2066.3	2274.5
52.5°	2386.1	2447.3	2609.6	2799.7	2944.8	2837.4	2396.2	2198.7	2290.2	2340.3	2508.8
55°	1829.5	1909.5	2439.5	2718.3	2949.0	3027.1	2674.1	2450.9	2582.3	2638.9	2761.9
57.5°	1593.9	1634.2	1917.9	2577.1	2870.6	3103.5	2925.2	2691.0	2900.2	2970.5	3001.0
60°	1326.1	1379.2	1608.5	2346.1	2764.2	3111.0	3147.1	3000.7	3244.7	3323.8	3220.3
62.5°	901.2	958.8	1186.9	1949.2	2618.8	3107.4	3329.0	3319.6	3627.7	3712.6	3406.1
65°	558.3	594.4	744.7	1591.6	2415.4	3111.3	3519.3	3706.7	4031.8	4118.0	3549.9
67.5°	441.2	457.8	536.2	1222.0	2065.0	3023.5	3709.3	4070.8	4412.1	4480.4	3593.8
70°	296.4	306.5	390.1	819.2	1536.3	2618.1	3705.8	4253.6	4608.0	4642.1	3433.8
72.5°	156.2	164.0	228.1	379.4	927.9	1861.0	3123.7	4035.0	4413.1	4361.7	2935.0
75°	78.1	91.1	153.6	192.6	396.3	1037.9	1939.7	3181.3	3473.5	3274.3	1883.1
77.5°	59.2	71.6	126.9	126.9	137.9	349.4	821.5	1735.1	1600.4	1332.6	552.8
80°	37.7	48.8	110.9	96.0	57.6	88.8	214.1	486.1	340.0	258.7	100.5
82.5°	22.1	31.9	92.4	63.4	32.2	32.9	60.5	103.5	88.2	68.6	30.9
85°	8.8	20.8	63.4	25.1	12.7	8.1	18.2	22.1	18.2	13.7	7.8
87.5°	0.0	4.9	11.1	0.0	1.0	0.7	1.3	1.6	1.6	1.3	2.6
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°	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6
2.5°	807.2	807.8	809.8	810.1	805.6	799.7	797.4	796.5	792.6	792.2	792.9
5°	817.0	819.9	817.0	808.5	788.3	760.0	738.5	721.0	705.0	700.2	697.2
7.5°	836.5	839.4	830.6	797.4	746.7	690.4	639.6	603.9	571.6	559.6	554.7
10°	864.5	868.4	840.7	773.7	683.9	593.4	507.5	447.0	399.9	380.7	372.5
12.5°	899.6	901.2	846.2	737.6	602.2	473.1	351.4	286.6	244.7	229.0	224.2
15°	938.3	936.0	846.9	688.4	491.0	334.5	229.4	188.4	171.5	166.3	166.3
17.5°	979.0	969.5	833.9	617.5	368.9	228.7	170.2	160.4	157.5	156.2	155.8
20°	1019.0	997.9	810.1	524.8	264.8	170.8	154.5	151.6	150.0	149.3	148.7
22.5°	1055.4	1019.3	769.5	417.1	192.3	151.0	146.1	143.5	140.6	139.3	138.9
25°	1090.9	1031.7	712.2	316.6	153.9	141.2	137.3	132.4	128.5	126.9	126.2
27.5°	1125.4	1039.5	640.6	234.3	137.3	132.1	124.9	118.1	115.2	114.5	113.9
30°	1162.2	1042.1	559.3	174.7	127.2	120.7	110.3	102.5	100.9	101.2	101.2
32.5°	1207.1	1046.0	477.3	143.2	118.8	107.0	94.7	86.5	85.2	86.5	86.2
35°	1260.7	1053.8	398.2	131.8	111.3	93.1	79.7	72.9	71.6	72.6	72.2
37.5°	1333.6	1066.5	324.4	129.5	105.1	81.3	67.0	61.5	61.5	61.8	61.5
40°	1430.6	1100.3	258.3	127.9	101.8	72.6	56.6	54.3	55.3	56.0	56.0
42.5°	1548.7	1172.2	213.8	125.9	98.3	68.6	51.4	50.4	52.1	52.7	52.7
45°	1681.1	1263.3	198.1	122.7	95.0	71.3	49.1	47.8	49.8	50.1	50.4
47.5°	1818.1	1352.5	196.2	119.1	91.7	75.2	48.5	45.5	47.8	48.2	48.5
50°	1956.7	1410.7	198.1	113.5	86.5	75.2	48.8	43.3	45.2	46.2	46.5
52.5°	2096.2	1437.4	196.8	101.5	77.4	70.6	48.8	41.3	43.3	43.9	43.9
55°	2231.6	1432.2	177.0	83.6	65.7	62.5	47.5	39.7	41.0	41.3	41.3
57.5°	2338.6	1359.6	140.2	65.1	53.4	52.1	43.3	37.7	38.7	38.4	38.4
60°	2394.6	1200.2	100.2	50.1	42.0	41.0	38.1	35.1	35.8	34.2	33.8
62.5°	2395.2	989.4	67.0	39.7	33.5	32.5	32.5	31.6	30.9	27.7	26.7
65°	2344.2	755.5	44.6	31.6	27.0	25.4	27.3	27.0	24.7	20.2	19.5
67.5°	2228.3	495.2	33.8	24.7	20.8	19.8	21.8	22.8	21.1	16.9	16.6
70°	1990.2	288.3	28.0	19.2	15.6	14.6	17.6	19.5	17.6	13.7	13.0
72.5°	1653.1	155.5	22.8	14.3	10.7	9.8	14.0	15.9	14.0	10.1	9.8
75°	1072.7	83.3	17.6	9.4	5.5	6.2	10.4	11.7	9.8	6.5	5.9
77.5°	360.2	36.8	11.1	4.6	2.6	2.6	6.2	7.2	4.6	2.3	2.0
80°	80.4	15.3	4.6	2.0	1.0	1.0	1.3	1.3	0.7	0.0	0.0
82.5°	26.4	6.2	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)