

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: P945192

Luminaire Tested: **GALN-SB1B-722-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3772 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 39.8
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



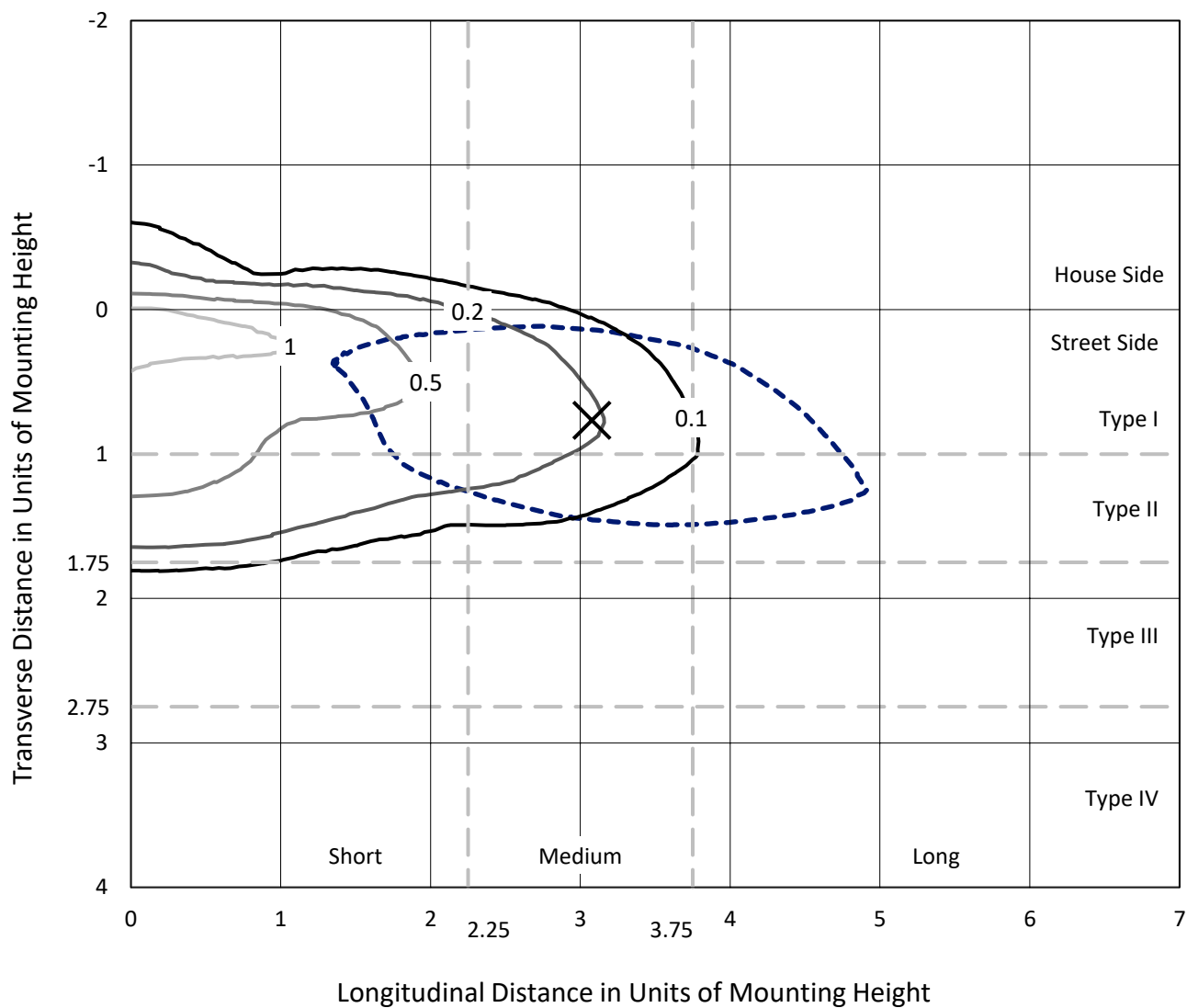
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Iso-Footcandle Lines of Horizontal Illumination

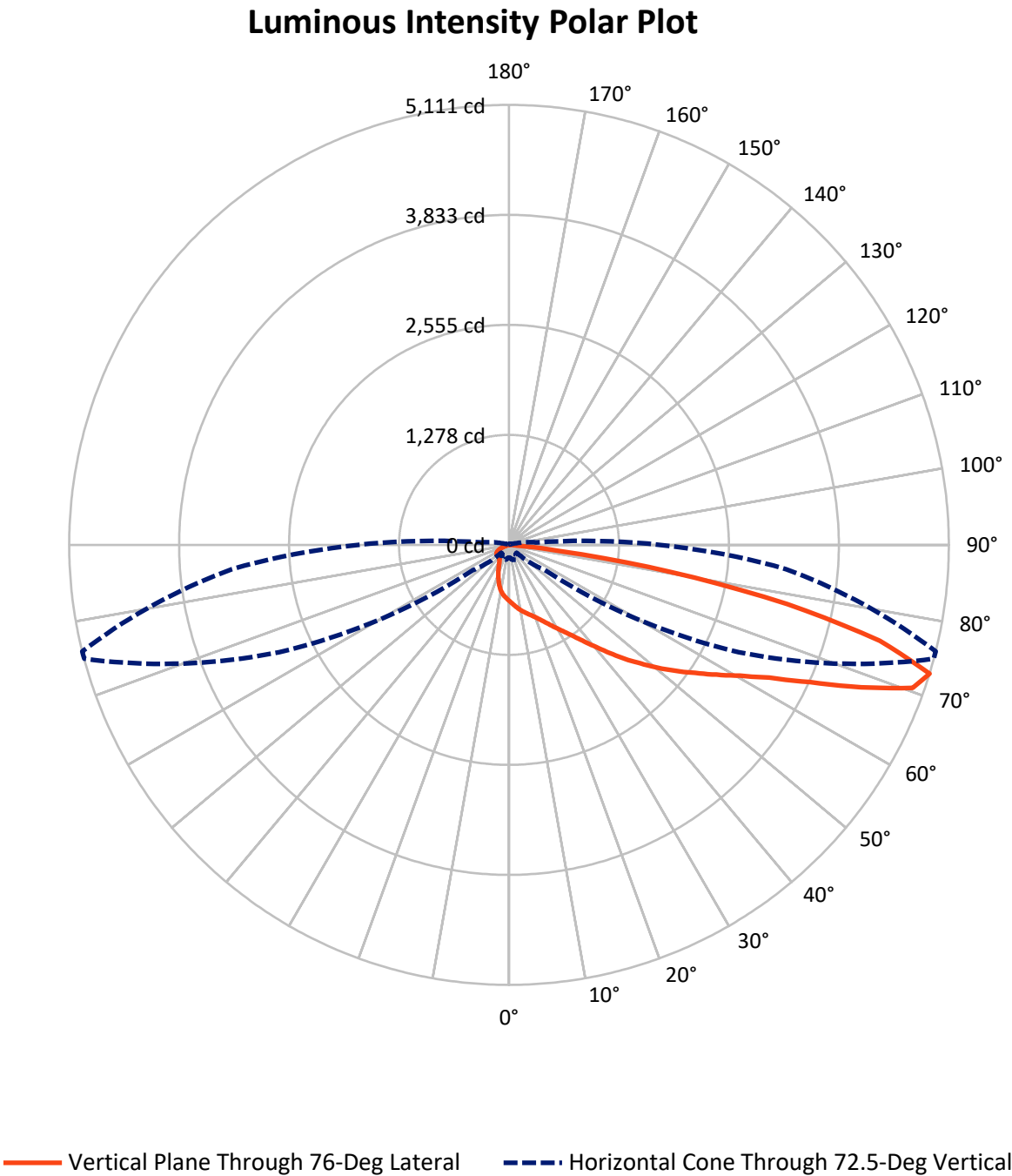
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Medium - N/A

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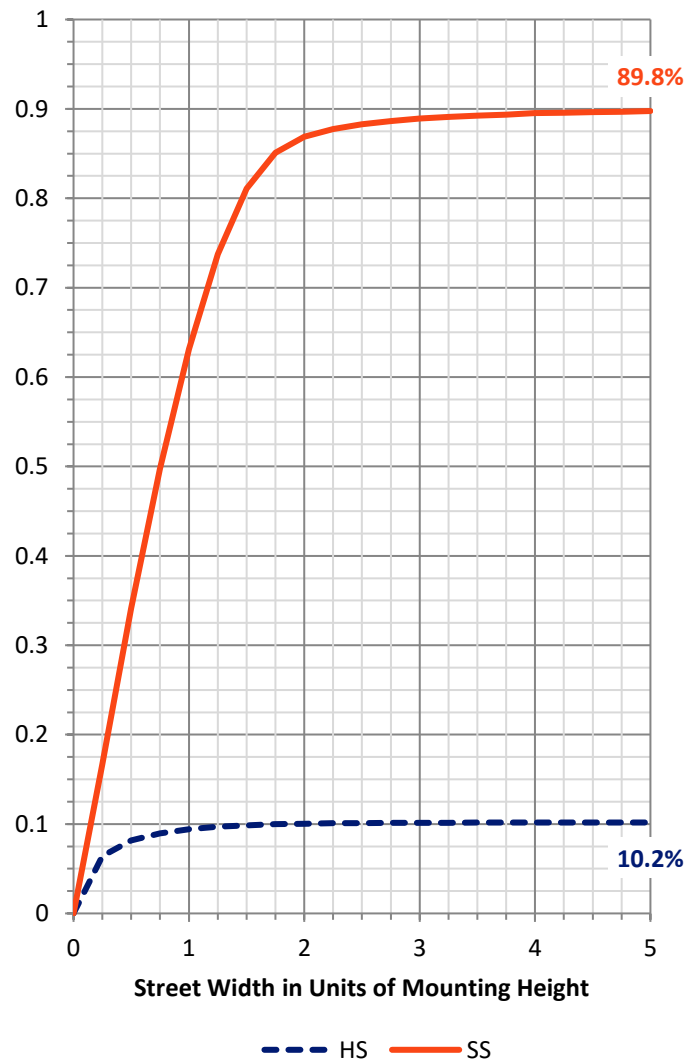
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	386.1	0.0	386.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	3385.9	0.0	3385.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	3772.0	0.0	3772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.6
10°-20°	159.0	4.2
20°-30°	251.6	6.7
30°-40°	389.2	10.3
40°-50°	591.2	15.7
50°-60°	815.0	21.6
60°-70°	861.0	22.8
70°-80°	590.7	15.7
80°-90°	55.0	1.5
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°	3772.0	100.0
0°-180°	3772.0	100.0

Coefficient of Utilization



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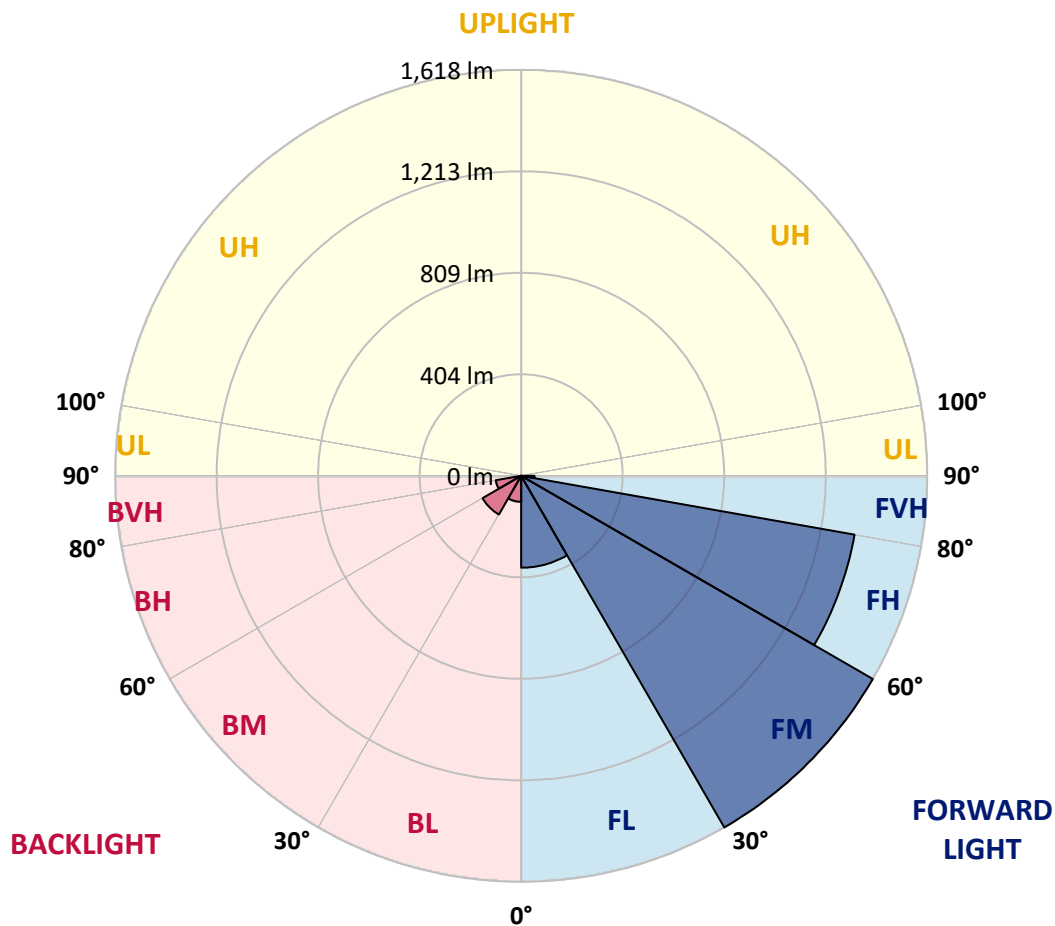
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.1	9.7			
FM	(30°-60°)	1617.7	42.9			
FH	(60°-80°)	1348.7	35.8			G1/1800
FVH	(80°-90°)	53.5	1.4			G1/100
BL	(0°-30°)	103.8	2.8	B0/110		
BM	(30°-60°)	177.7	4.7	B0/220		
BH	(60°-80°)	103.1	2.7	B0/110		G0/110
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8
2.5°	757.8	747.7	749.7	739.7	735.0	723.8	712.0	696.6	679.5	679.5	662.8
5°	837.5	831.2	831.2	819.4	810.4	792.8	771.7	744.6	712.3	709.1	677.5
7.5°	886.5	882.6	885.0	878.2	870.8	852.5	827.5	792.0	746.3	742.4	694.9
10°	896.0	895.8	902.6	904.6	909.5	900.2	877.9	837.1	779.8	774.2	709.8
12.5°	859.1	854.4	871.3	891.1	919.0	931.5	920.0	878.2	810.4	802.6	723.8
15°	798.4	799.4	815.5	846.1	892.6	937.1	952.1	918.3	841.5	832.2	737.0
17.5°	763.7	760.0	773.9	801.3	852.7	915.6	967.0	955.7	874.5	864.0	750.4
20°	759.5	759.3	762.4	774.9	814.1	884.8	965.3	992.2	913.4	901.2	769.8
22.5°	788.4	787.9	785.2	782.7	793.5	854.7	957.9	1026.9	959.9	946.7	797.2
25°	832.7	831.9	827.8	812.8	802.3	838.5	951.1	1059.2	1014.9	1000.3	830.5
27.5°	886.7	886.2	878.7	856.1	829.0	840.0	947.7	1092.5	1078.6	1064.1	868.9
30°	953.0	952.1	936.4	904.6	869.1	863.2	952.3	1129.9	1144.9	1133.9	913.2
32.5°	1036.2	1033.5	1013.0	965.0	915.4	894.3	961.1	1168.4	1223.4	1213.1	972.4
35°	1100.6	1096.4	1084.4	1042.1	968.9	932.5	981.7	1213.9	1317.9	1308.8	1048.0
37.5°	1155.9	1151.7	1141.9	1107.2	1045.8	981.2	1014.7	1274.6	1429.4	1425.0	1140.2
40°	1215.6	1208.7	1204.1	1166.9	1111.3	1051.4	1061.9	1345.5	1557.9	1558.4	1251.1
42.5°	1261.6	1258.9	1259.4	1230.8	1174.7	1134.6	1124.6	1425.5	1711.8	1716.4	1384.4
45°	1301.0	1298.8	1307.8	1287.8	1238.6	1189.2	1198.0	1516.1	1880.1	1889.7	1533.7
47.5°	1331.3	1333.8	1346.7	1333.8	1304.9	1227.6	1263.1	1613.7	2057.0	2058.3	1687.8
50°	1361.7	1362.6	1384.2	1377.8	1366.1	1276.3	1323.0	1722.8	2243.5	2245.7	1831.9
52.5°	1371.2	1369.7	1404.0	1419.6	1420.1	1336.5	1400.6	1841.7	2426.3	2433.4	1980.2
55°	1322.3	1326.4	1381.7	1445.3	1470.5	1419.6	1505.3	1992.2	2621.0	2624.0	2127.0
57.5°	1083.0	1106.0	1228.3	1375.9	1503.1	1538.8	1655.8	2168.1	2845.9	2843.2	2275.8
60°	657.2	684.6	830.9	1153.9	1396.9	1658.5	1877.4	2440.7	3091.6	3084.0	2426.3
62.5°	367.5	375.8	422.6	690.7	1062.4	1582.4	2094.0	2790.8	3421.4	3395.7	2574.3
65°	270.9	273.6	284.6	338.4	522.2	1217.1	2046.5	3209.5	3884.8	3839.1	2751.7
67.5°	235.4	238.1	248.8	256.2	233.2	639.4	1686.1	3441.7	4473.3	4413.3	2991.7
70°	198.2	199.7	217.0	221.9	166.9	243.2	1083.2	3370.0	5018.0	4975.1	3249.4
72.5°	147.8	153.7	178.9	190.6	133.8	129.2	509.9	2946.5	5110.2	5110.7	3232.0
75°	100.3	105.7	134.6	156.8	103.3	90.5	205.8	2200.2	4449.8	4449.8	2833.2
77.5°	68.5	72.9	93.7	123.1	78.3	62.1	106.7	1396.4	3192.4	3304.7	2019.4
80°	30.3	33.0	60.4	89.3	59.5	40.1	60.4	764.6	1930.5	1906.8	791.5
82.5°	14.9	17.1	38.7	55.8	38.4	24.7	31.8	363.6	625.7	594.6	123.6
85°	2.9	3.9	20.8	23.7	17.9	11.0	12.0	111.8	75.4	86.1	26.2
87.5°	0.0	0.0	6.4	4.4	2.0	2.4	2.4	10.0	5.9	6.9	6.9
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°	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8
2.5°	654.0	645.0	625.2	605.6	585.5	567.2	554.5	541.7	533.9	530.5	531.0
5°	659.2	640.8	599.2	555.7	512.6	470.5	439.0	409.4	400.1	384.6	385.6
7.5°	667.2	637.4	571.8	498.4	428.4	366.8	322.2	286.8	272.6	258.9	258.6
10°	672.6	631.0	535.6	437.5	342.8	273.6	231.0	205.3	196.0	187.7	187.4
12.5°	674.8	619.3	494.0	369.2	266.7	208.5	183.0	171.0	167.9	164.9	164.9
15°	676.8	607.8	447.5	303.4	210.7	174.5	164.4	160.5	158.3	156.4	156.4
17.5°	678.5	593.1	394.4	246.6	177.9	160.8	155.9	151.7	150.0	147.8	147.8
20°	684.4	578.9	347.0	203.6	160.0	151.0	145.6	141.2	139.7	138.2	138.5
22.5°	695.4	567.4	301.0	174.5	149.3	140.9	134.1	129.2	128.2	127.2	126.5
25°	708.6	553.2	257.7	155.6	138.7	129.4	121.9	117.7	116.7	117.0	116.5
27.5°	725.5	537.6	220.5	143.6	129.4	118.7	110.1	106.9	107.4	108.4	107.9
30°	744.1	523.1	191.3	135.3	121.1	109.1	100.6	98.4	100.1	101.5	101.1
32.5°	771.7	510.4	171.0	128.7	113.8	101.3	94.4	91.8	93.7	95.7	95.2
35°	809.4	504.0	159.5	123.1	107.4	95.2	88.3	86.4	88.3	88.8	88.6
37.5°	855.7	503.6	154.6	118.4	101.5	90.0	82.5	81.7	83.2	83.4	82.9
40°	915.4	506.7	151.0	115.0	95.4	84.2	77.1	76.3	76.8	78.5	78.3
42.5°	991.0	520.0	145.8	110.6	88.8	78.3	72.7	71.0	70.7	72.7	72.4
45°	1085.9	549.1	139.0	103.5	82.9	73.4	67.8	65.8	65.1	65.6	66.3
47.5°	1189.4	584.8	132.1	96.9	78.8	69.5	63.9	61.4	60.2	60.2	60.2
50°	1289.7	625.2	127.5	90.0	75.9	65.8	59.7	57.3	55.3	54.8	54.6
52.5°	1389.1	664.8	123.8	83.2	72.4	61.2	55.8	53.1	50.9	49.9	49.4
55°	1479.6	702.5	117.4	76.6	68.0	56.3	51.9	49.2	46.5	44.8	44.0
57.5°	1566.5	733.8	105.7	69.7	61.2	51.6	47.7	44.8	41.6	39.4	38.4
60°	1645.5	750.0	91.0	62.4	54.3	46.7	43.1	40.4	36.2	32.5	31.6
62.5°	1705.7	743.6	75.1	54.1	47.2	42.3	37.7	35.0	30.1	25.7	24.0
65°	1767.3	708.8	59.9	45.3	41.4	36.5	31.6	28.9	23.2	18.6	17.4
67.5°	1847.4	634.7	47.2	37.7	35.7	28.9	24.7	23.0	19.1	14.7	13.7
70°	1898.7	493.0	36.7	30.6	29.4	21.0	19.1	18.8	15.2	11.3	10.0
72.5°	1757.8	323.2	28.1	23.2	21.0	13.7	14.7	14.7	11.0	7.6	6.6
75°	1467.4	189.1	20.3	16.6	12.0	8.8	10.0	10.0	6.9	3.7	2.9
77.5°	1048.0	100.8	13.5	10.3	6.1	3.9	5.4	5.1	2.2	0.2	0.0
80°	400.8	34.7	6.4	4.2	1.7	0.7	0.5	0.2	0.2	0.0	0.0
82.5°	61.2	9.1	1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	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)