

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: P938716

Luminaire Tested: **GALN-SB1A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

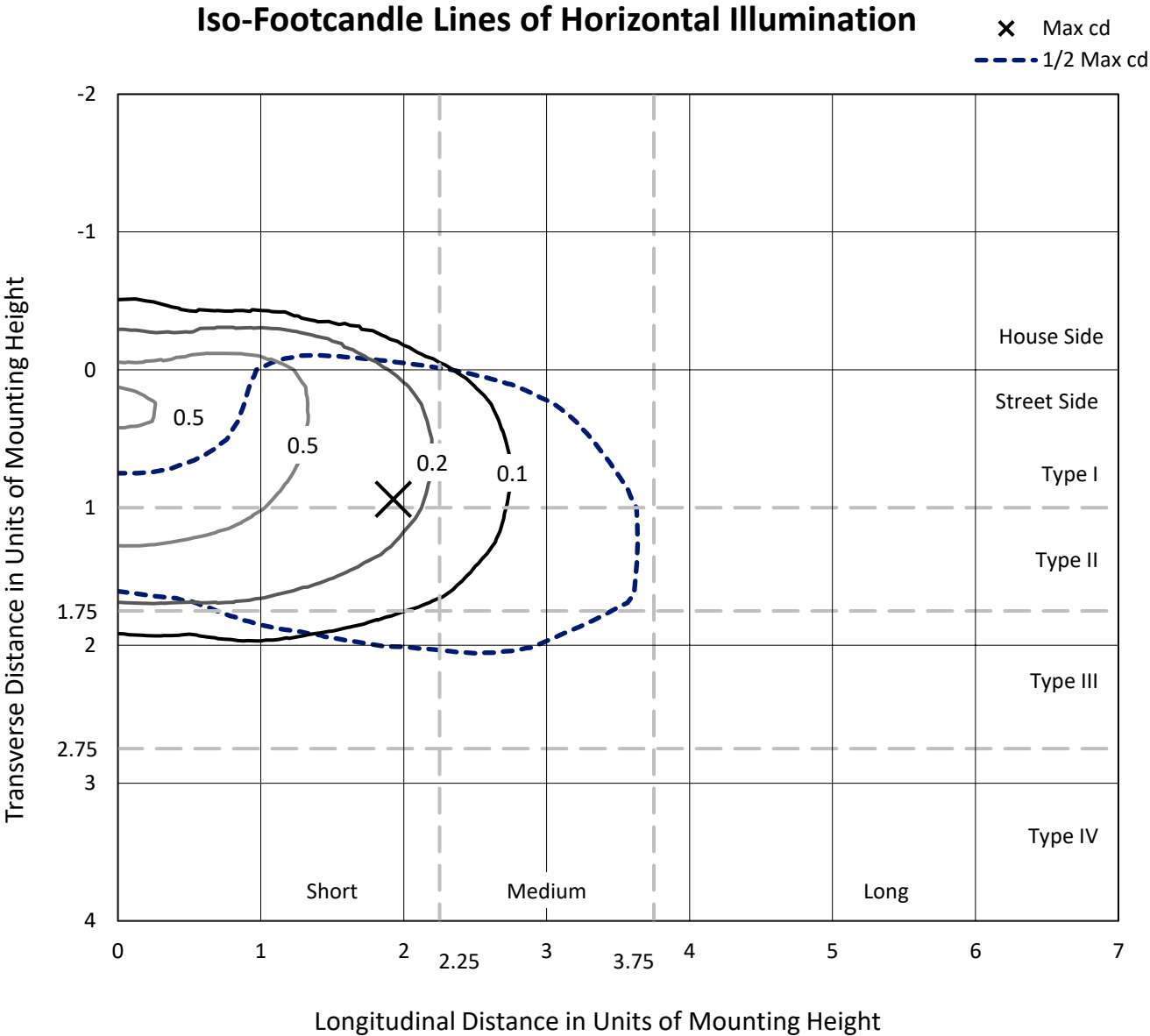
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2907 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9
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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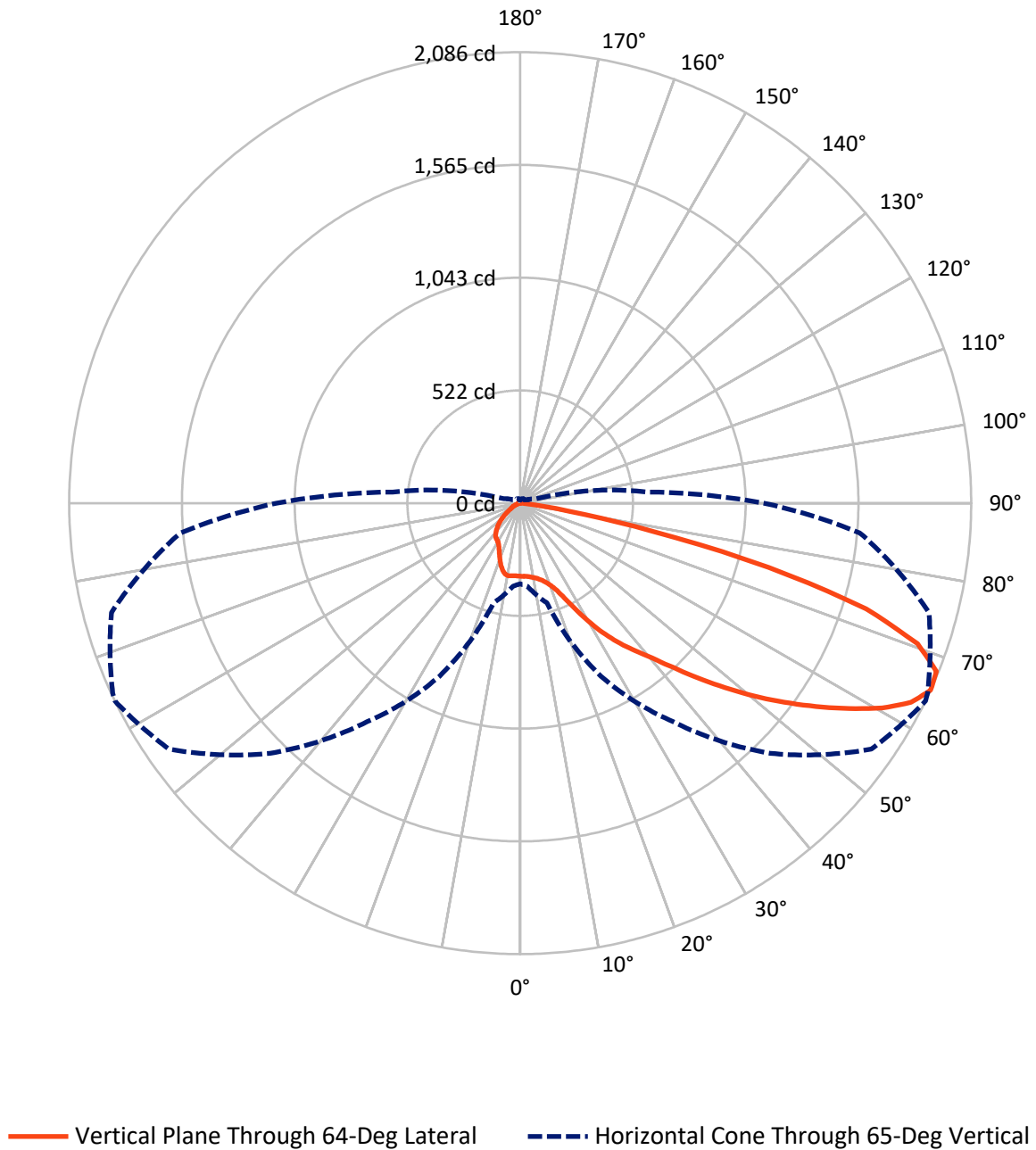


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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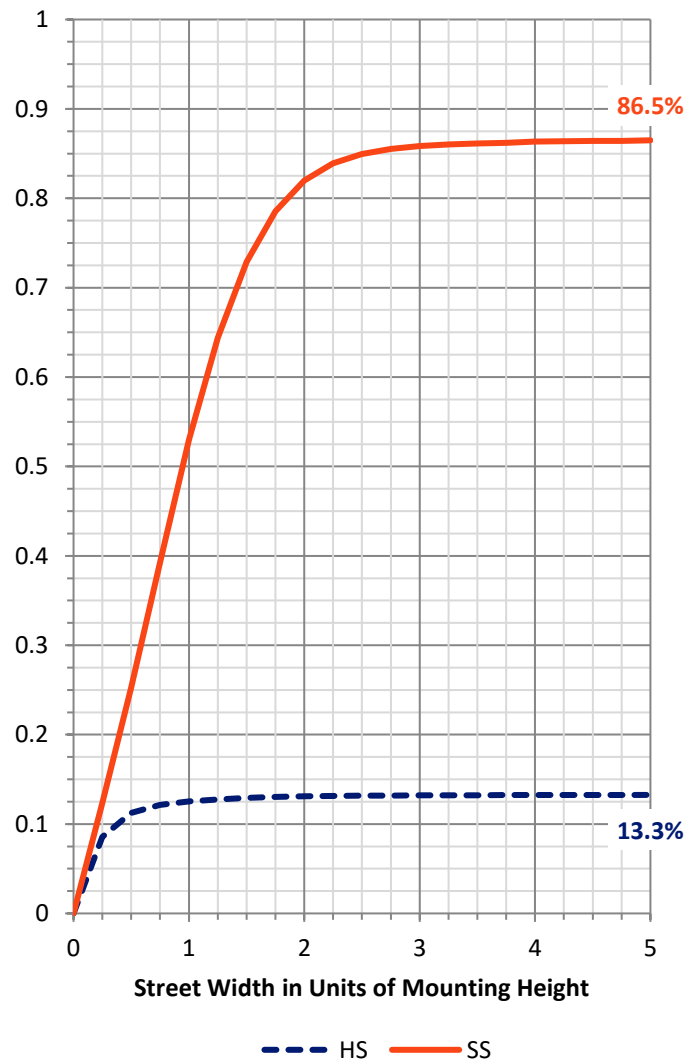
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	388.8	0.0	388.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2518.3	0.0	2518.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	2907.0	0.0	2907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	1.1
10°-20°	84.6	2.9
20°-30°	160.3	5.5
30°-40°	324.4	11.2
40°-50°	552.7	19.0
50°-60°	751.6	25.9
60°-70°	705.8	24.3
70°-80°	282.8	9.7
80°-90°	13.7	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°	2907.0	100.0
0°-180°	2907.0	100.0

Coefficient of Utilization



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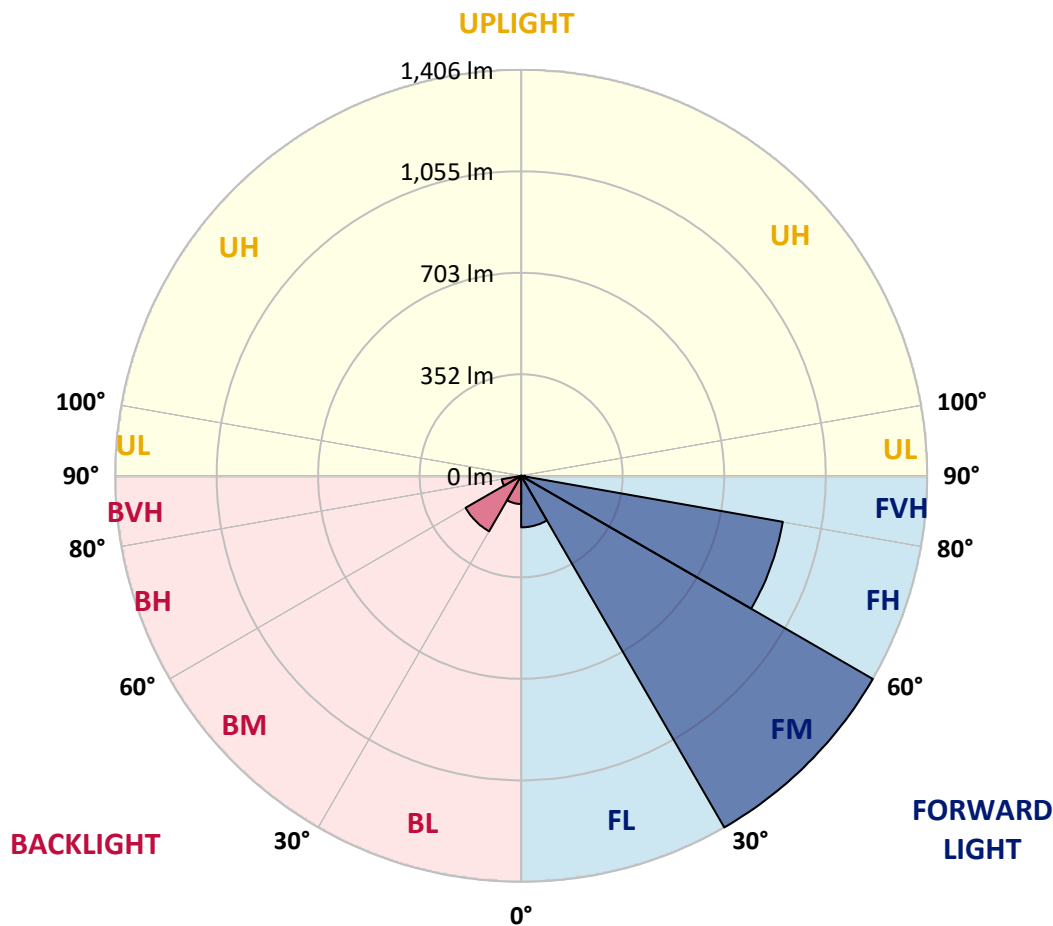
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.5	6.1			
FM	(30°-60°)	1406.4	48.4			
FH	(60°-80°)	920.3	31.7			G1/1800
FVH	(80°-90°)	13.0	0.4			G1/100
BL	(0°-30°)	97.6	3.4	B0/110		
BM	(30°-60°)	222.2	7.6	B1/1000		
BH	(60°-80°)	68.2	2.3	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1
2.5°	336.9	339.3	338.7	338.1	337.9	338.3	338.5	338.3	338.3	338.3	338.5
5°	330.5	332.5	332.5	333.8	335.8	338.1	339.9	340.3	340.6	341.2	341.0
7.5°	318.2	319.8	321.0	325.4	330.3	336.6	341.8	344.5	344.9	347.1	347.9
10°	309.9	311.8	313.8	318.4	325.4	334.8	343.8	350.4	351.4	356.4	358.8
12.5°	309.5	311.4	313.9	319.0	327.2	337.1	348.1	357.6	359.4	366.8	371.6
15°	313.6	315.9	318.2	324.5	333.2	345.3	357.0	368.9	370.7	381.2	386.4
17.5°	321.9	325.1	326.8	333.0	342.4	355.8	371.2	384.9	386.4	398.7	405.3
20°	338.5	342.2	342.8	347.9	357.0	371.4	389.8	406.7	408.7	422.7	430.1
22.5°	372.8	378.1	373.4	375.9	384.1	398.5	418.4	439.8	442.6	458.5	465.2
25°	433.2	440.6	428.5	424.3	427.8	442.8	467.7	494.8	497.9	510.8	514.1
27.5°	551.9	542.3	524.0	506.1	495.6	504.2	532.2	565.7	569.6	582.1	578.2
30°	682.3	673.9	649.1	609.4	584.4	583.1	609.0	646.4	650.9	662.8	650.9
32.5°	812.8	804.8	778.0	729.0	685.8	664.3	682.3	723.8	726.1	733.7	716.2
35°	941.3	933.1	906.2	856.1	802.9	754.2	750.7	797.4	798.2	806.2	780.1
37.5°	1070.5	1063.6	1035.0	985.9	933.5	866.2	833.7	867.2	868.2	876.0	848.9
40°	1162.6	1165.6	1145.9	1107.9	1062.9	989.4	926.8	941.5	935.6	948.7	932.5
42.5°	1241.8	1247.6	1230.5	1211.4	1185.3	1120.6	1042.2	1039.7	1030.3	1037.3	1020.6
45°	1310.2	1315.0	1299.6	1295.2	1294.6	1249.2	1168.3	1153.1	1140.0	1138.7	1118.6
47.5°	1335.3	1344.7	1351.3	1366.3	1395.5	1376.4	1298.7	1275.1	1260.5	1249.8	1218.0
50°	1344.9	1354.8	1377.4	1421.1	1490.2	1498.4	1428.5	1402.0	1384.0	1364.5	1317.8
52.5°	1332.0	1349.7	1380.1	1453.6	1554.0	1596.3	1553.0	1529.8	1509.3	1477.6	1408.2
55°	1256.2	1273.9	1336.1	1453.2	1585.7	1664.8	1670.7	1660.4	1637.4	1587.3	1481.3
57.5°	1096.4	1122.7	1221.1	1403.7	1585.1	1723.9	1786.1	1793.5	1767.7	1696.0	1538.8
60°	875.0	910.7	1030.7	1294.0	1536.2	1755.9	1887.2	1924.2	1896.9	1803.2	1585.3
62.5°	610.6	651.9	765.5	1122.1	1424.4	1732.9	1961.1	2029.5	2008.8	1899.1	1603.3
65°	372.4	385.7	477.3	883.0	1234.2	1636.6	1983.9	2086.4	2079.5	1957.7	1576.8
67.5°	248.1	259.2	285.5	605.5	958.0	1444.2	1929.3	2076.4	2078.4	1948.2	1479.7
70°	149.5	159.0	176.2	352.1	620.9	1143.2	1760.3	1949.8	1961.1	1820.6	1295.7
72.5°	61.6	68.0	83.6	159.6	321.5	725.5	1401.8	1674.0	1700.3	1530.8	994.5
75°	34.9	38.2	49.1	80.1	139.5	338.1	849.1	1188.4	1227.2	1055.1	598.3
77.5°	23.2	24.7	31.8	51.8	78.5	115.4	362.9	619.1	693.2	576.3	259.0
80°	15.6	17.0	21.8	34.7	51.1	49.5	115.6	229.4	282.2	198.0	63.1
82.5°	10.5	10.7	15.6	22.8	32.3	24.0	34.1	71.3	89.6	57.3	24.0
85°	6.0	5.8	11.5	13.3	14.4	9.9	10.3	21.4	28.1	24.2	13.6
87.5°	0.8	1.2	4.5	3.5	1.9	2.1	2.1	3.7	5.5	5.8	2.9
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°	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1
2.5°	338.5	338.3	337.7	337.1	335.8	335.0	335.4	335.0	334.8	335.0	335.8
5°	341.0	340.5	338.9	336.9	334.2	330.9	328.8	325.6	322.7	321.0	321.4
7.5°	347.9	347.3	345.1	339.7	330.9	317.1	304.4	293.3	284.9	280.0	280.2
10°	358.8	357.8	354.5	342.4	319.4	289.2	264.1	243.2	229.6	223.1	222.6
12.5°	371.6	370.5	364.6	339.9	297.6	250.4	215.7	192.5	179.9	174.2	173.6
15°	386.8	385.3	373.8	327.8	265.8	207.5	175.8	158.4	150.3	145.2	145.4
17.5°	405.7	403.0	380.6	309.7	231.3	174.8	151.2	138.2	131.0	126.1	125.7
20°	430.3	425.8	386.1	288.0	199.6	154.1	134.7	123.7	118.3	114.0	113.2
22.5°	464.6	458.2	392.7	264.6	177.1	139.9	122.4	114.4	109.9	105.0	104.3
25°	507.1	499.5	400.9	243.0	161.7	127.6	113.4	106.8	101.5	95.9	95.3
27.5°	566.5	552.9	410.6	225.3	148.5	117.1	105.2	97.8	91.8	87.1	86.1
30°	632.8	610.4	419.2	214.6	136.4	107.4	94.5	87.1	81.5	78.1	77.6
32.5°	695.5	665.1	424.8	209.9	125.5	96.3	82.8	74.8	70.5	69.6	70.2
35°	754.8	714.6	424.3	205.4	115.8	85.2	71.3	63.1	59.8	60.4	60.4
37.5°	823.0	767.4	420.2	198.4	107.8	75.0	61.4	54.2	51.3	51.4	52.2
40°	902.3	828.4	417.6	185.1	99.0	65.7	53.2	47.4	45.2	44.4	44.2
42.5°	986.9	887.5	418.0	170.1	88.1	57.3	47.6	42.7	40.7	40.1	40.0
45°	1071.8	943.8	418.6	154.5	76.6	50.9	43.5	39.4	38.2	37.4	37.4
47.5°	1151.7	991.7	407.7	137.8	65.3	46.0	40.1	37.4	36.4	35.5	35.5
50°	1226.2	1023.7	381.4	118.3	56.3	42.1	37.6	35.7	34.7	33.7	33.7
52.5°	1284.1	1028.8	337.9	98.2	50.1	39.2	36.1	34.3	33.1	32.2	32.0
55°	1309.8	997.0	276.1	79.5	45.2	36.6	34.5	32.7	31.4	30.4	30.2
57.5°	1303.2	930.2	215.3	63.9	40.5	34.1	32.5	31.4	29.8	28.3	28.1
60°	1270.6	840.7	162.3	53.2	36.2	31.4	30.4	29.4	27.3	24.9	24.6
62.5°	1214.3	728.3	115.8	44.0	31.6	28.3	27.9	27.1	24.0	19.7	19.3
65°	1128.2	591.7	78.0	36.6	27.1	24.7	24.9	23.6	19.5	14.6	14.2
67.5°	1002.3	432.6	49.9	30.0	22.6	20.7	20.9	20.1	16.6	12.5	11.9
70°	841.9	286.5	32.5	22.8	18.1	16.0	17.1	17.3	14.0	10.1	9.7
72.5°	617.2	169.2	22.8	17.0	13.3	11.1	14.0	14.4	11.3	7.6	7.2
75°	351.8	80.3	17.1	12.3	8.2	7.8	10.9	10.9	7.8	5.1	4.7
77.5°	147.7	33.5	12.1	8.0	4.7	4.5	7.4	6.8	3.9	2.3	2.3
80°	42.7	15.0	6.4	3.9	1.9	1.8	2.9	2.1	1.0	0.4	0.4
82.5°	16.8	6.6	2.5	1.6	0.8	0.8	0.4	0.0	0.0	0.0	0.0
85°	9.9	2.7	1.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	0.6	0.4	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)