

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: P945557

Luminaire Tested: **GALN-SB1C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
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-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5240 lumens
Efficiency: N/A
Efficacy: 96.3 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

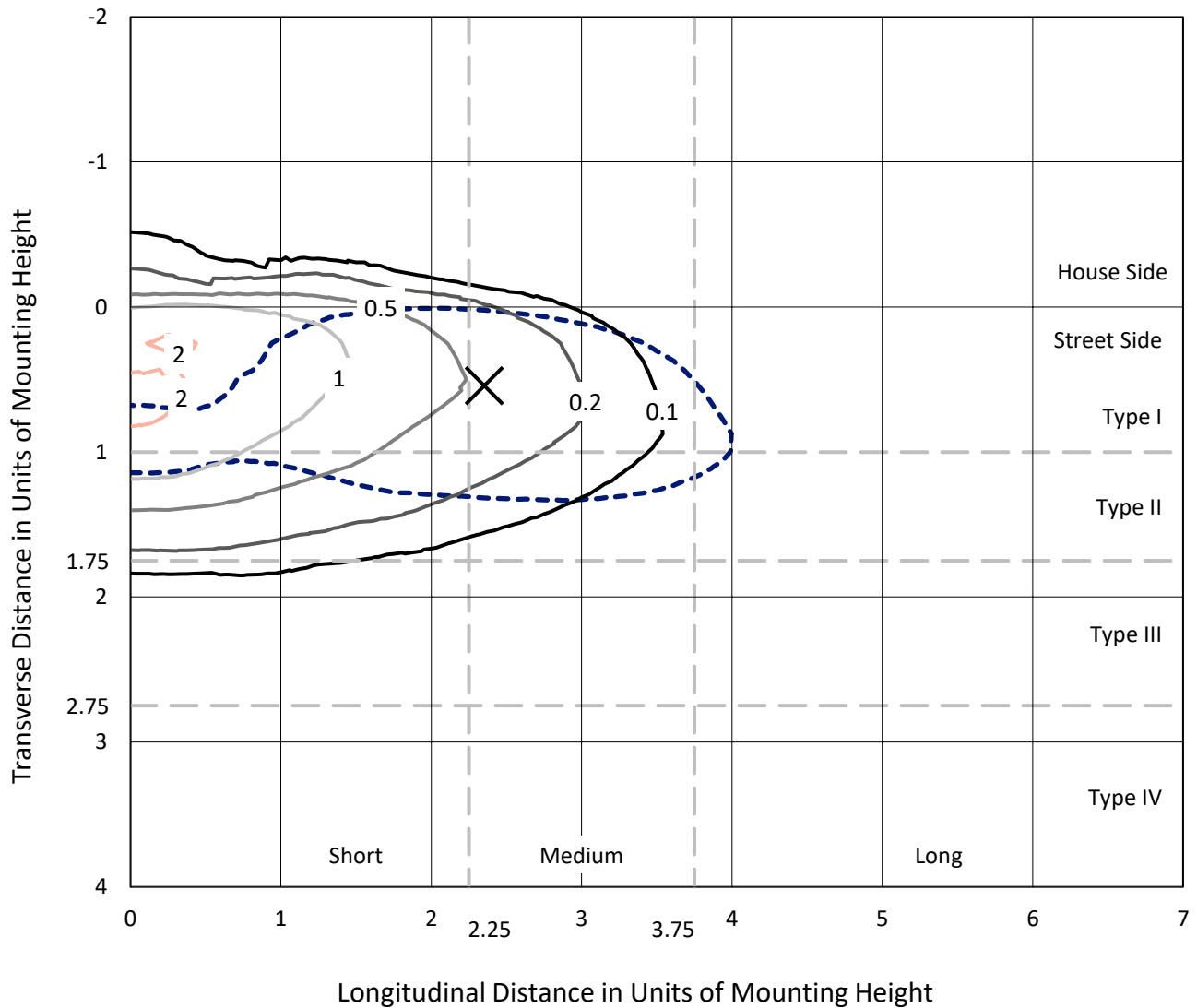
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

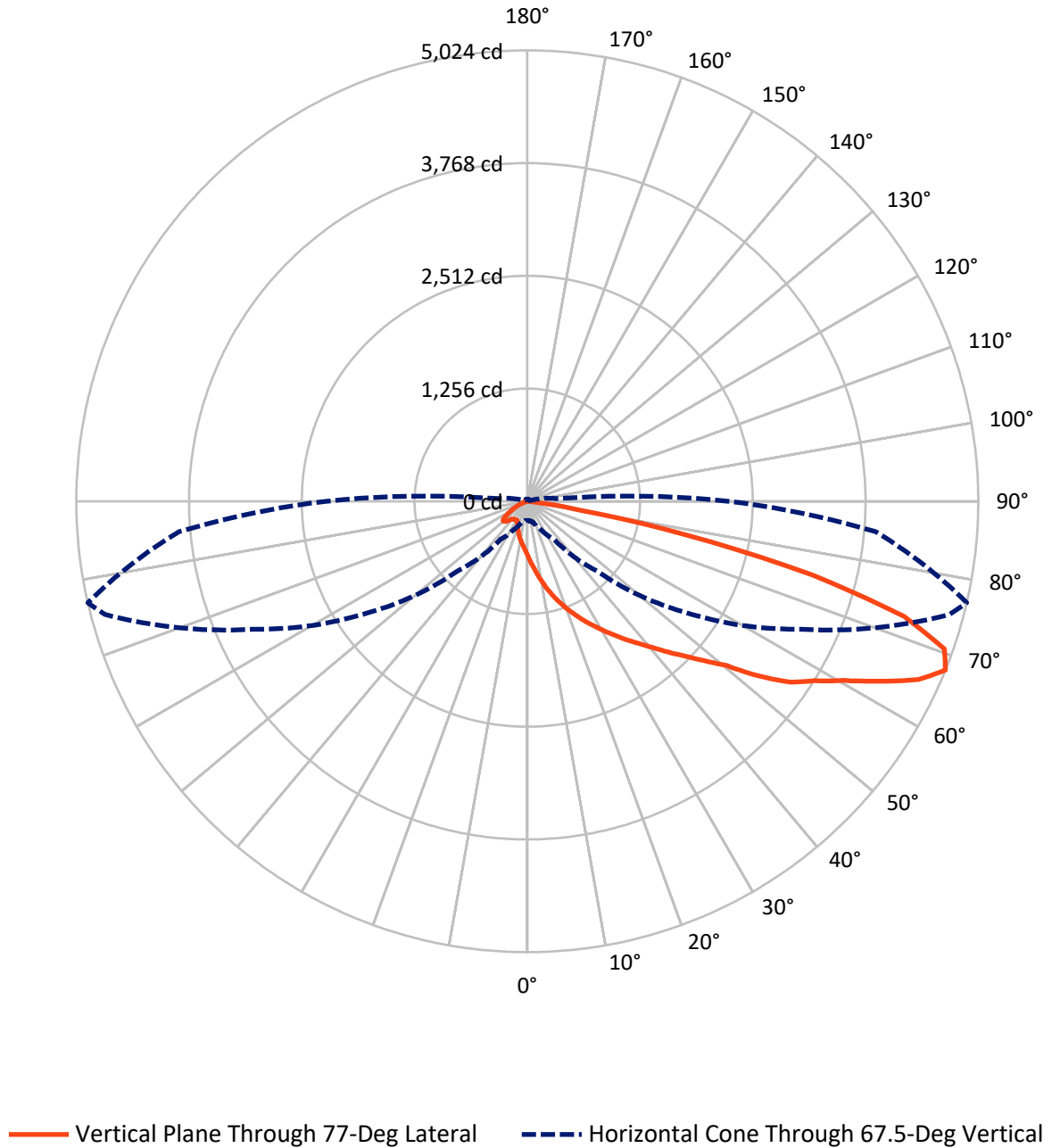
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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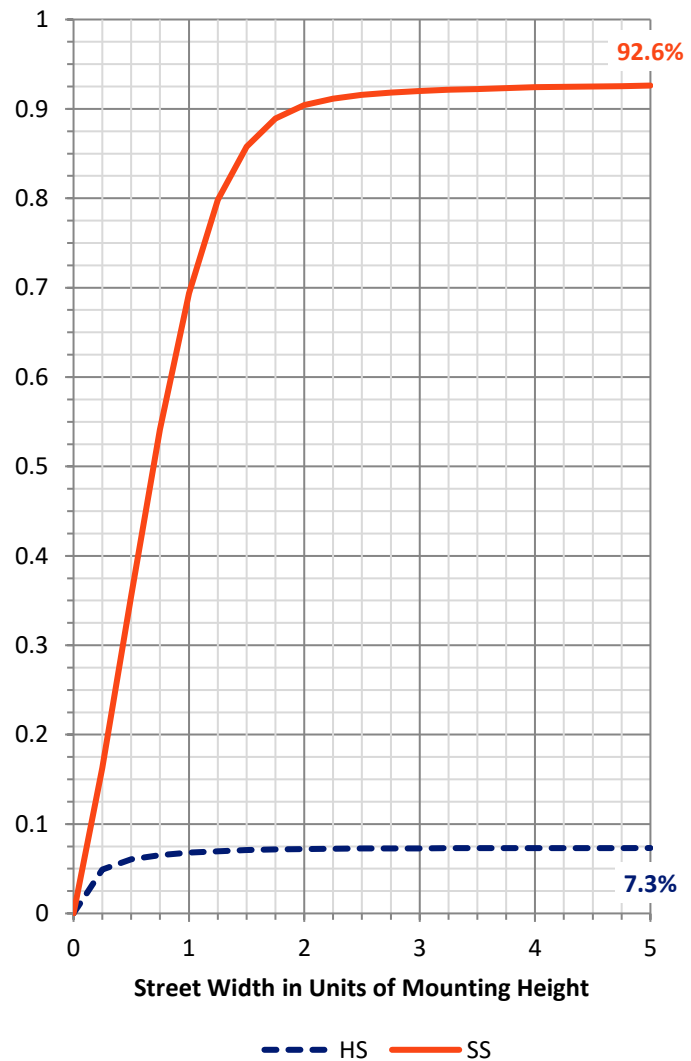
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.5	0.0	385.5
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	4854.5	0.0	4854.5
	% Fixture	92.6	0.0	92.6
Total	Lumens	5240.0	0.0	5240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.2
10°-20°	216.0	4.1
20°-30°	416.8	8.0
30°-40°	723.5	13.8
40°-50°	1050.5	20.0
50°-60°	1206.4	23.0
60°-70°	1047.4	20.0
70°-80°	493.3	9.4
80°-90°	24.4	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°	5240.0	100.0
0°-180°	5240.0	100.0

Coefficient of Utilization



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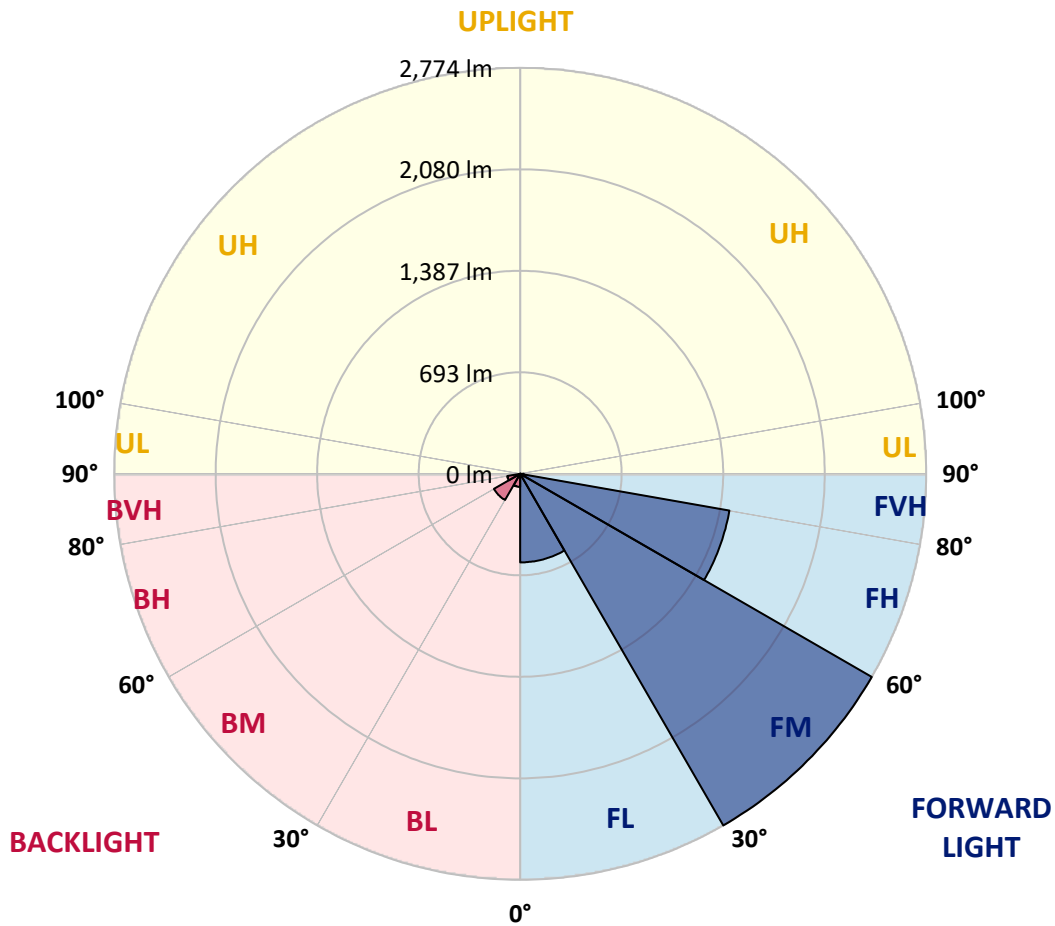
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.2	11.5			
FM (30°-60°)	2773.9	52.9			
FH (60°-80°)	1451.5	27.7			G1/1800
FVH (80°-90°)	23.9	0.5			G1/100
BL (0°-30°)	89.3	1.7	B0/110		
BM (30°-60°)	206.6	3.9	B0/220		
BH (60°-80°)	89.3	1.7	B0/110		G0/110
BVH (80°-90°)	0.5	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°	77°	85°
0°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2
2.5°	836.6	841.8	834.3	820.0	798.5	784.5	750.3	718.1	682.3	671.0	635.2
5°	1019.8	1024.3	1015.9	1000.2	971.6	944.3	899.4	832.0	762.1	739.6	676.2
7.5°	1155.5	1158.1	1154.8	1140.5	1113.2	1082.2	1032.1	952.4	848.6	823.9	726.6
10°	1253.1	1261.5	1260.6	1255.0	1236.8	1211.8	1158.4	1067.6	945.6	913.7	783.5
12.5°	1317.8	1327.3	1332.8	1345.2	1344.2	1328.2	1281.4	1185.4	1042.2	1004.8	847.6
15°	1336.7	1346.8	1367.9	1396.6	1422.0	1430.1	1397.2	1300.9	1148.6	1100.8	913.4
17.5°	1326.0	1341.6	1367.0	1412.2	1467.8	1504.6	1501.0	1412.5	1245.3	1190.6	977.8
20°	1349.7	1364.7	1384.5	1422.6	1487.4	1554.1	1580.7	1519.2	1341.3	1284.0	1045.5
22.5°	1481.2	1478.6	1480.5	1486.7	1525.4	1591.5	1646.5	1616.2	1436.3	1377.7	1117.1
25°	1689.4	1677.7	1657.9	1624.3	1614.6	1646.5	1703.7	1702.1	1536.5	1473.7	1190.3
27.5°	1928.3	1926.3	1879.8	1799.1	1753.5	1741.2	1768.5	1785.7	1635.7	1568.7	1263.8
30°	2157.0	2162.2	2099.4	2009.6	1926.0	1877.5	1852.8	1865.1	1736.6	1671.2	1339.6
32.5°	2356.1	2361.7	2293.3	2188.2	2084.8	2026.2	1974.1	1943.6	1846.6	1775.3	1422.9
35°	2524.4	2529.9	2451.5	2335.3	2225.0	2172.0	2113.1	2029.5	1957.2	1890.8	1515.7
37.5°	2674.7	2673.1	2568.0	2450.8	2342.5	2300.5	2269.6	2135.2	2071.1	2007.0	1618.5
40°	2763.5	2770.4	2680.6	2551.4	2446.3	2415.7	2413.7	2266.3	2202.6	2140.4	1731.1
42.5°	2789.6	2801.6	2736.5	2630.5	2535.1	2501.9	2553.0	2408.2	2355.5	2295.0	1858.3
45°	2742.7	2754.4	2724.8	2651.3	2595.6	2574.2	2672.8	2555.3	2518.8	2459.0	2001.8
47.5°	2606.0	2620.7	2627.8	2612.2	2611.6	2633.4	2780.1	2710.2	2712.8	2651.6	2168.1
50°	2341.5	2366.2	2432.0	2487.3	2572.9	2680.2	2884.6	2878.1	2931.4	2878.7	2384.8
52.5°	1860.6	1895.7	2122.2	2273.5	2465.8	2671.5	2999.4	3147.5	3315.1	3238.0	2690.3
55°	1495.2	1495.2	1679.3	1962.4	2256.9	2613.5	3049.6	3322.6	3576.4	3558.1	2905.4
57.5°	1218.9	1233.6	1351.0	1601.2	1954.6	2475.6	3080.5	3432.5	3786.9	3773.5	3115.6
60°	752.3	783.9	1005.8	1252.8	1610.7	2229.9	3060.9	3543.8	4042.3	4053.1	3368.8
62.5°	423.7	435.4	534.3	901.3	1252.4	1899.6	2911.6	3606.0	4369.0	4414.6	3629.7
65°	292.5	298.4	336.5	561.0	868.1	1512.4	2619.7	3567.2	4696.4	4788.4	3851.0
67.5°	212.5	215.4	239.2	342.6	515.1	1096.6	2162.2	3372.0	4869.8	5023.7	3893.3
70°	163.3	165.3	182.5	225.2	304.2	676.8	1570.3	2983.8	4744.2	4928.0	3676.6
72.5°	132.8	134.7	148.1	166.6	201.7	400.2	951.8	2423.2	4189.7	4388.2	3129.9
75°	111.9	114.5	126.6	138.6	158.1	257.1	446.4	1687.5	3150.8	3280.9	2176.5
77.5°	62.1	57.3	102.8	114.9	133.4	162.7	208.9	993.1	1764.6	1800.7	965.8
80°	38.7	40.0	81.7	92.4	102.5	82.0	95.7	382.3	611.7	581.1	187.1
82.5°	2.3	5.2	62.8	66.7	70.3	35.1	36.1	129.8	147.4	135.4	33.2
85°	0.0	0.0	28.6	23.1	24.4	10.1	10.4	30.3	19.8	21.5	6.5
87.5°	0.0	0.0	0.0	0.7	0.0	1.0	2.0	2.6	1.0	1.3	2.3
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°	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2	604.2
2.5°	612.4	589.6	543.4	498.2	461.4	427.2	402.8	379.7	368.0	367.4	366.7
5°	630.9	583.1	490.7	409.0	343.3	290.6	256.4	232.0	219.6	215.4	214.8
7.5°	657.0	585.1	444.5	330.9	253.5	208.2	188.7	180.9	178.3	175.4	174.7
10°	689.8	589.6	403.2	266.5	199.8	177.0	169.2	165.9	164.0	162.0	161.4
12.5°	726.6	593.8	362.2	221.3	175.7	164.0	158.5	154.6	152.0	149.7	149.0
15°	762.4	596.4	319.5	189.7	163.3	153.9	148.1	143.8	140.2	137.6	137.3
17.5°	797.9	600.0	279.5	170.8	153.3	143.8	138.0	132.8	129.8	126.9	126.6
20°	837.2	599.4	241.8	157.5	143.2	133.7	127.6	122.7	119.7	116.5	116.2
22.5°	873.7	596.1	208.6	146.1	132.8	123.6	116.8	111.9	109.0	106.4	106.1
25°	915.6	593.5	180.9	135.7	123.0	113.9	106.4	101.8	98.6	96.3	96.0
27.5°	956.0	589.6	160.7	126.3	113.6	104.8	97.6	92.4	89.5	87.9	87.9
30°	995.7	588.6	153.3	117.1	105.1	96.3	89.2	84.3	82.0	81.3	81.0
32.5°	1043.5	591.2	156.5	113.9	97.3	88.5	81.7	78.1	75.8	75.8	75.8
35°	1094.6	590.6	161.4	116.8	92.1	80.7	75.5	73.2	70.9	70.9	70.9
37.5°	1158.7	591.6	165.3	121.7	90.1	74.2	71.3	68.3	67.0	67.0	67.0
40°	1254.4	623.8	163.3	125.9	89.5	69.6	63.8	62.8	61.8	61.8	61.8
42.5°	1371.5	693.7	165.9	126.3	89.2	66.4	58.6	60.5	58.2	57.9	57.6
45°	1499.7	770.2	182.5	119.4	88.8	64.8	56.0	58.2	54.7	54.7	54.7
47.5°	1626.9	846.0	199.5	109.7	87.9	64.4	53.7	52.4	51.4	51.7	51.7
50°	1802.3	907.8	206.0	96.3	85.6	63.8	49.5	49.8	49.1	49.8	49.8
52.5°	1993.3	920.9	198.2	81.3	79.1	61.8	46.5	47.8	47.5	48.2	48.2
55°	2112.4	906.9	163.7	67.7	69.0	54.0	43.6	46.2	46.2	46.2	46.2
57.5°	2235.4	847.3	116.2	55.0	57.3	44.3	41.0	44.6	44.3	43.9	43.9
60°	2323.9	751.0	76.5	45.2	45.6	36.4	38.1	42.0	41.6	40.0	40.0
62.5°	2390.0	644.6	49.1	38.4	34.8	32.9	34.8	38.1	36.8	33.2	32.5
65°	2382.5	497.2	37.7	32.9	28.6	28.6	30.3	33.2	29.3	23.4	22.8
67.5°	2243.6	336.5	31.2	27.7	24.1	23.8	25.1	27.7	25.1	19.8	19.2
70°	1995.3	220.0	25.1	21.5	19.2	17.6	20.2	23.8	21.2	15.9	15.3
72.5°	1619.5	134.1	18.9	15.6	14.0	11.4	15.9	19.5	16.9	11.7	11.1
75°	1047.8	68.3	13.0	10.1	7.5	6.8	11.7	14.6	11.7	7.2	6.2
77.5°	400.9	28.6	7.2	4.6	3.9	3.3	6.5	8.8	4.9	1.6	1.3
80°	77.1	12.0	3.6	2.3	2.0	1.3	1.0	0.7	0.0	0.0	0.0
82.5°	13.3	3.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	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)