

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: P945206

Luminaire Tested: **GALN-SB1B-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
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-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3584 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
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



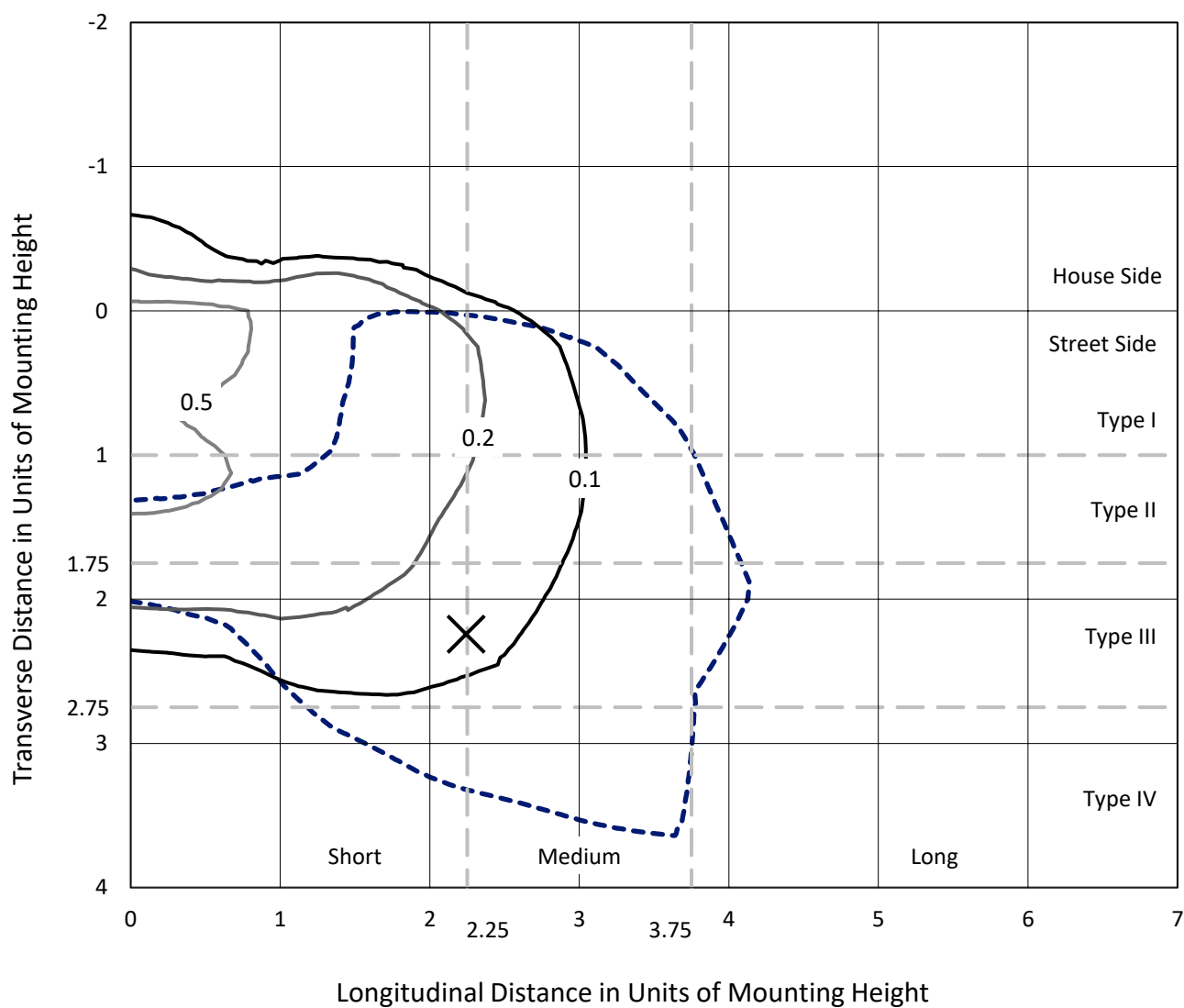
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

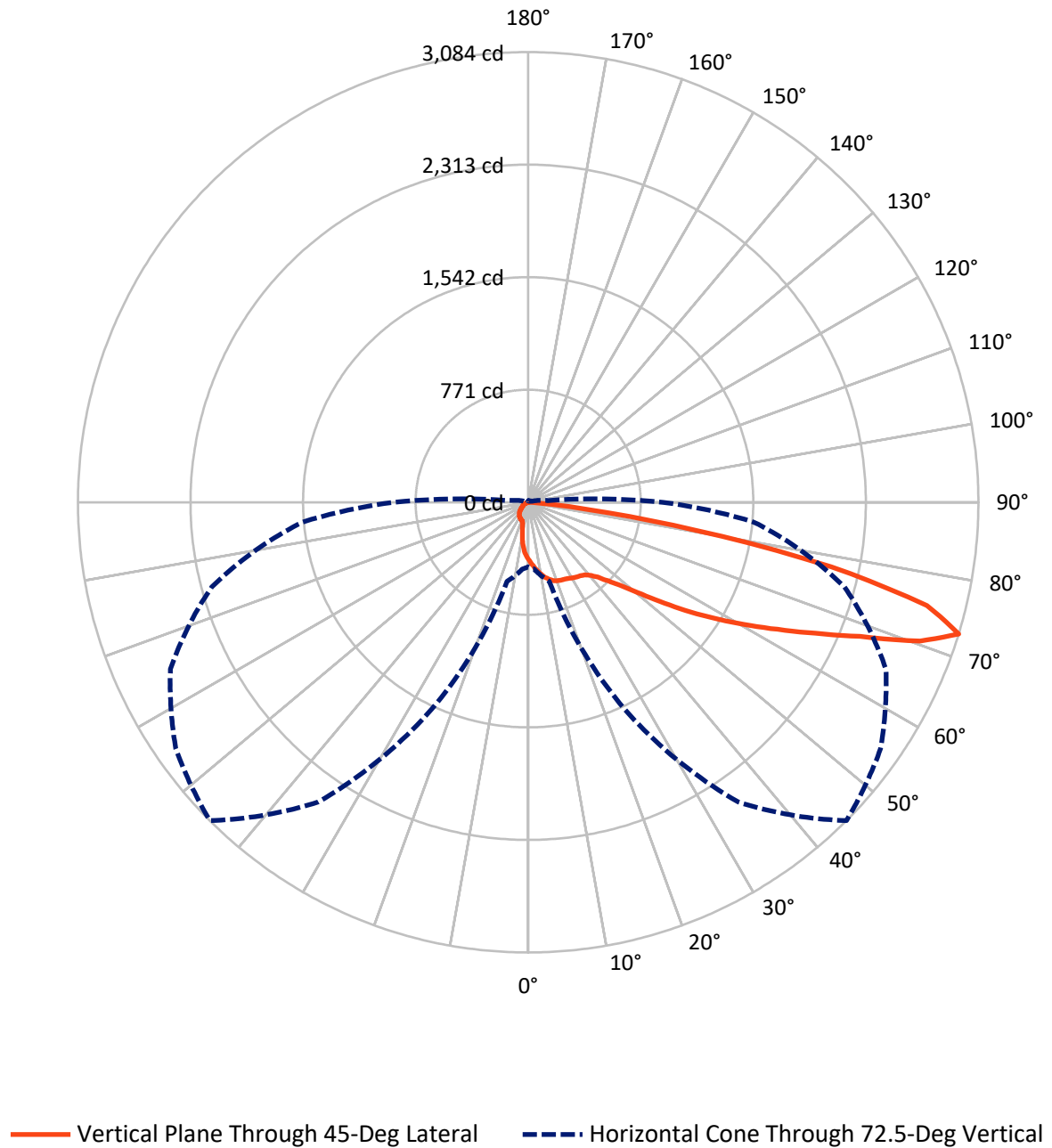
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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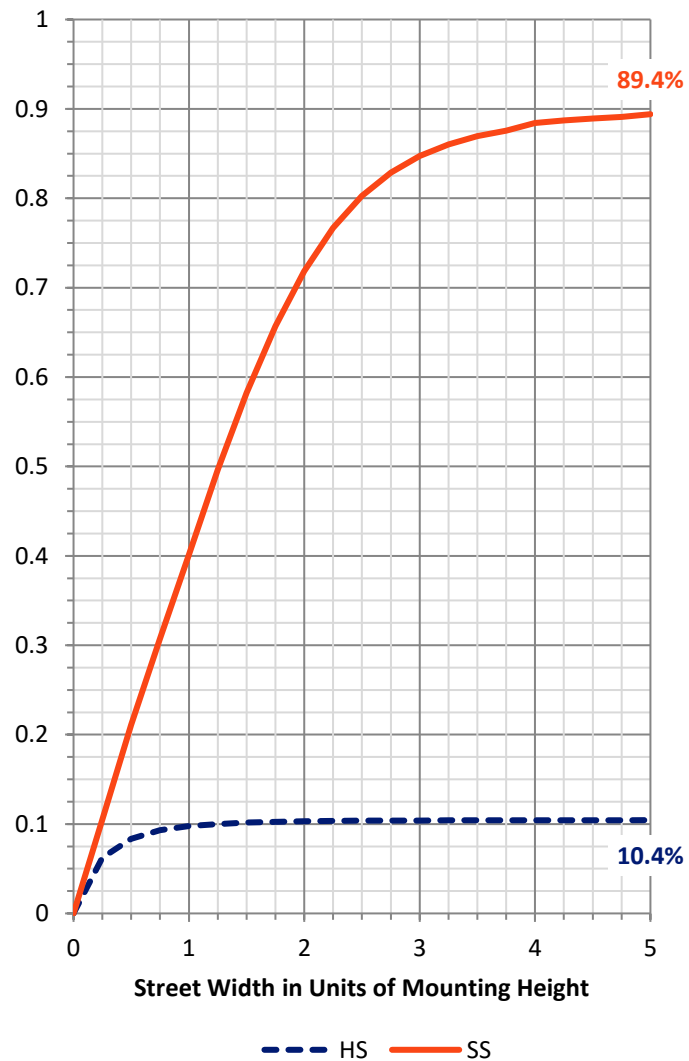
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	376.6	0.0	376.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3207.4	0.0	3207.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	3584.0	0.0	3584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	1.0
10°-20°	108.1	3.0
20°-30°	177.5	5.0
30°-40°	251.8	7.0
40°-50°	416.2	11.6
50°-60°	747.7	20.9
60°-70°	1038.2	29.0
70°-80°	753.1	21.0
80°-90°	54.4	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°	3584.0	100.0
0°-180°	3584.0	100.0

Coefficient of Utilization



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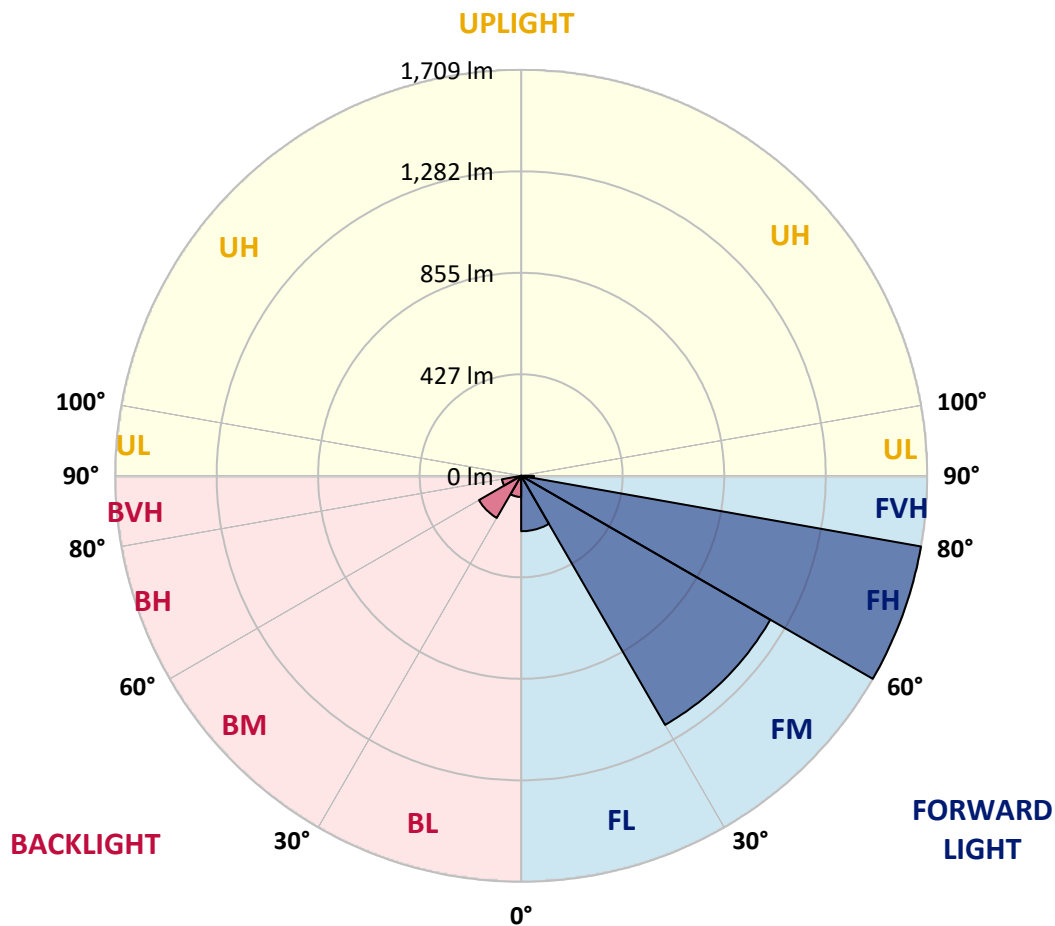
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.5	6.5			
FM	(30°-60°)	1210.9	33.8			
FH	(60°-80°)	1709.1	47.7			G1/1800
FVH	(80°-90°)	54.0	1.5			G1/100
BL	(0°-30°)	89.2	2.5	B0/110		
BM	(30°-60°)	204.8	5.7	B0/220		
BH	(60°-80°)	82.1	2.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	428.8	429.6	429.1	426.1	421.3	418.6	417.1	412.2	409.0	403.4	397.5
5°	468.2	471.2	469.4	463.6	454.3	447.7	445.7	435.7	426.6	416.1	403.9
7.5°	510.1	511.5	508.3	500.8	488.3	477.0	475.3	461.4	446.9	430.8	414.2
10°	546.3	548.0	543.1	532.1	517.9	503.9	501.5	486.1	469.0	449.1	427.9
12.5°	576.6	578.3	572.0	558.7	543.1	528.7	526.2	510.1	491.2	469.2	442.8
15°	599.6	602.8	594.2	580.0	563.1	548.7	547.5	531.6	513.2	488.8	460.6
17.5°	613.0	616.2	608.2	591.0	576.6	564.4	562.9	549.7	532.6	509.1	478.0
20°	615.3	618.2	609.6	594.7	582.7	572.9	572.2	562.7	550.2	527.7	496.8
22.5°	608.6	612.3	604.5	592.5	584.2	579.0	578.1	572.7	565.6	546.5	514.5
25°	601.8	604.7	598.9	588.3	583.9	583.4	584.2	583.2	581.7	565.6	535.0
27.5°	601.3	604.5	597.9	587.9	585.4	590.5	591.3	595.9	597.1	583.0	554.8
30°	605.5	607.7	601.3	590.8	589.6	601.3	601.6	609.9	611.8	597.6	574.4
32.5°	614.5	617.0	610.6	595.2	593.5	609.9	610.6	621.6	624.8	613.3	594.9
35°	635.8	638.7	631.4	607.4	601.3	617.9	620.1	633.1	639.5	629.9	616.2
37.5°	688.9	680.3	670.3	632.1	619.2	630.7	634.3	649.5	660.8	649.7	641.7
40°	820.7	793.8	762.5	674.2	650.5	657.8	660.8	675.9	691.3	680.6	676.7
42.5°	1018.6	986.8	936.5	771.1	697.7	701.4	703.6	716.8	738.5	730.0	731.0
45°	1195.0	1183.5	1132.2	936.5	786.0	767.9	770.6	777.4	809.5	806.3	812.7
47.5°	1330.6	1323.9	1284.3	1126.3	935.2	849.4	856.9	860.1	906.4	917.6	934.7
50°	1434.8	1432.3	1396.9	1295.1	1130.2	969.5	972.2	965.3	1034.5	1062.4	1095.0
52.5°	1533.1	1541.4	1515.3	1451.9	1338.4	1126.8	1126.3	1094.0	1187.4	1229.5	1285.1
55°	1621.9	1624.8	1627.5	1611.9	1547.8	1305.8	1301.2	1248.4	1364.8	1408.3	1468.5
57.5°	1705.3	1706.6	1730.5	1762.6	1765.8	1498.1	1489.6	1426.2	1558.6	1589.6	1626.6
60°	1761.4	1767.0	1817.6	1906.7	1945.6	1696.5	1691.9	1627.3	1755.7	1770.2	1763.3
62.5°	1680.6	1714.9	1842.6	2019.2	2115.3	1916.4	1914.2	1853.6	1963.2	1951.4	1892.7
65°	1360.4	1418.4	1643.0	2095.3	2281.9	2162.1	2165.2	2100.7	2176.2	2138.1	1997.9
67.5°	951.6	1012.8	1278.4	2101.4	2468.1	2450.5	2468.8	2367.6	2402.5	2316.9	2022.9
70°	658.1	689.6	862.6	1969.8	2613.2	2847.8	2847.3	2695.4	2627.6	2398.4	1895.7
72.5°	442.5	458.9	560.2	1562.7	2506.5	3083.8	3069.6	2945.9	2703.4	2243.0	1548.8
75°	186.7	198.6	259.3	878.2	1983.0	2821.3	2782.9	2603.4	2402.0	1766.2	966.3
77.5°	59.2	64.3	102.3	314.4	1092.3	2120.7	2080.1	1625.8	1609.9	886.1	353.2
80°	28.1	32.8	57.5	126.2	429.8	1153.4	1147.8	737.6	692.6	239.3	70.9
82.5°	12.2	14.4	31.8	67.5	192.3	411.5	419.8	251.0	207.7	90.8	21.8
85°	3.9	5.1	14.7	31.1	81.2	102.3	101.0	59.7	83.7	49.4	7.6
87.5°	0.0	0.0	4.9	7.1	8.3	5.9	6.6	5.1	23.2	13.7	2.7
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°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	394.6	390.7	383.8	377.5	371.8	366.2	362.8	357.9	357.4	357.4	358.6
5°	397.3	390.9	378.7	365.7	350.8	336.6	322.4	308.7	304.3	301.1	302.6
7.5°	405.1	395.1	375.8	351.0	322.7	291.6	269.8	246.3	237.3	232.4	233.1
10°	416.4	402.7	373.3	330.0	284.0	241.7	210.6	185.2	175.4	171.2	171.2
12.5°	428.8	412.0	368.9	303.8	241.7	191.1	160.7	149.0	147.5	147.5	147.5
15°	443.8	423.2	361.3	273.0	197.4	151.2	140.4	140.9	142.4	143.4	143.4
17.5°	459.2	435.2	349.3	238.5	158.3	136.0	136.3	137.0	138.2	139.2	139.2
20°	475.8	447.2	333.4	201.8	135.8	131.6	132.3	133.1	134.1	134.5	134.8
22.5°	493.7	458.4	314.6	165.9	128.2	127.9	128.2	128.9	130.1	130.1	130.6
25°	512.7	470.9	293.1	139.7	124.3	124.3	124.8	125.3	126.2	126.2	126.5
27.5°	532.3	482.4	270.3	126.0	120.8	120.6	120.6	121.3	121.8	122.1	122.3
30°	553.8	495.9	247.6	123.1	118.2	116.9	116.2	116.7	117.2	117.4	117.9
32.5°	575.9	508.8	227.3	124.3	115.5	113.3	110.8	110.3	110.3	111.3	112.0
35°	600.3	523.0	211.6	128.4	114.0	107.9	104.0	101.8	102.0	103.5	104.2
37.5°	629.7	540.1	200.1	132.1	113.0	101.8	95.4	92.7	91.0	92.7	92.2
40°	668.1	565.3	191.8	135.0	111.8	94.7	86.1	81.7	78.5	79.5	79.0
42.5°	724.6	605.0	188.6	135.3	109.1	86.4	76.6	70.7	66.1	66.3	65.3
45°	803.9	667.6	205.0	132.1	103.2	77.3	66.5	58.7	55.8	55.0	54.1
47.5°	912.5	758.8	242.9	125.5	94.7	68.5	56.8	50.1	47.9	46.7	46.0
50°	1058.0	876.0	285.0	118.2	86.1	60.2	48.7	44.5	43.1	41.8	41.6
52.5°	1226.8	994.9	319.5	110.8	77.5	52.8	43.5	41.1	39.9	38.9	38.7
55°	1381.7	1076.9	317.5	103.0	69.2	47.0	39.9	38.4	36.9	36.0	35.5
57.5°	1478.1	1088.4	261.8	94.4	59.7	42.3	36.5	35.5	33.8	32.5	32.3
60°	1522.3	1022.8	183.5	83.2	50.1	37.9	32.8	32.3	30.1	28.4	27.9
62.5°	1530.4	901.0	122.3	69.2	41.8	33.8	29.1	28.4	25.4	22.5	21.0
65°	1497.6	726.8	84.6	54.1	35.7	29.4	25.0	23.5	20.3	17.4	16.4
67.5°	1393.9	510.3	59.0	38.9	30.3	23.2	19.8	19.3	16.9	14.4	13.7
70°	1203.8	290.9	39.4	29.1	24.0	15.9	15.7	16.1	13.7	11.7	10.8
72.5°	923.0	133.1	24.5	21.3	16.4	10.8	12.5	12.7	10.5	8.8	7.8
75°	543.3	57.0	15.4	13.7	8.3	7.1	9.1	9.3	7.1	5.6	4.9
77.5°	184.9	21.5	9.8	8.1	4.2	3.9	5.9	5.9	3.9	2.2	1.7
80°	42.1	8.1	4.9	3.2	2.0	1.7	2.0	1.7	1.0	0.2	0.0
82.5°	12.0	3.2	2.0	1.2	0.7	0.7	0.2	0.0	0.0	0.0	0.0
85°	3.4	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.2	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)