

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: P946987

Luminaire Tested: **GALN-SB2C-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9455 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 100.9
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

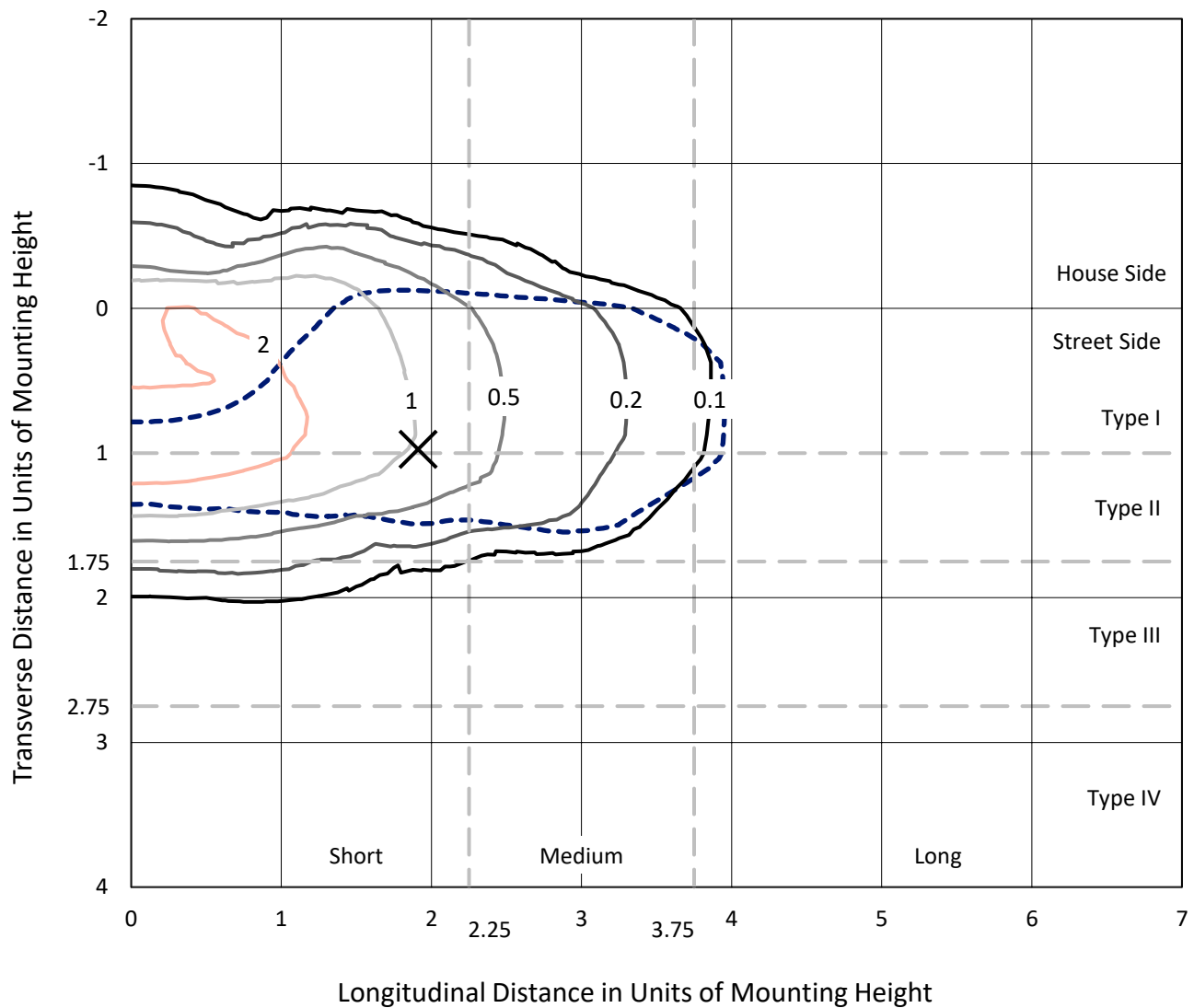


REPORT NUMBER: P946987

CATALOG NUMBER: GALN-SB2C-722-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

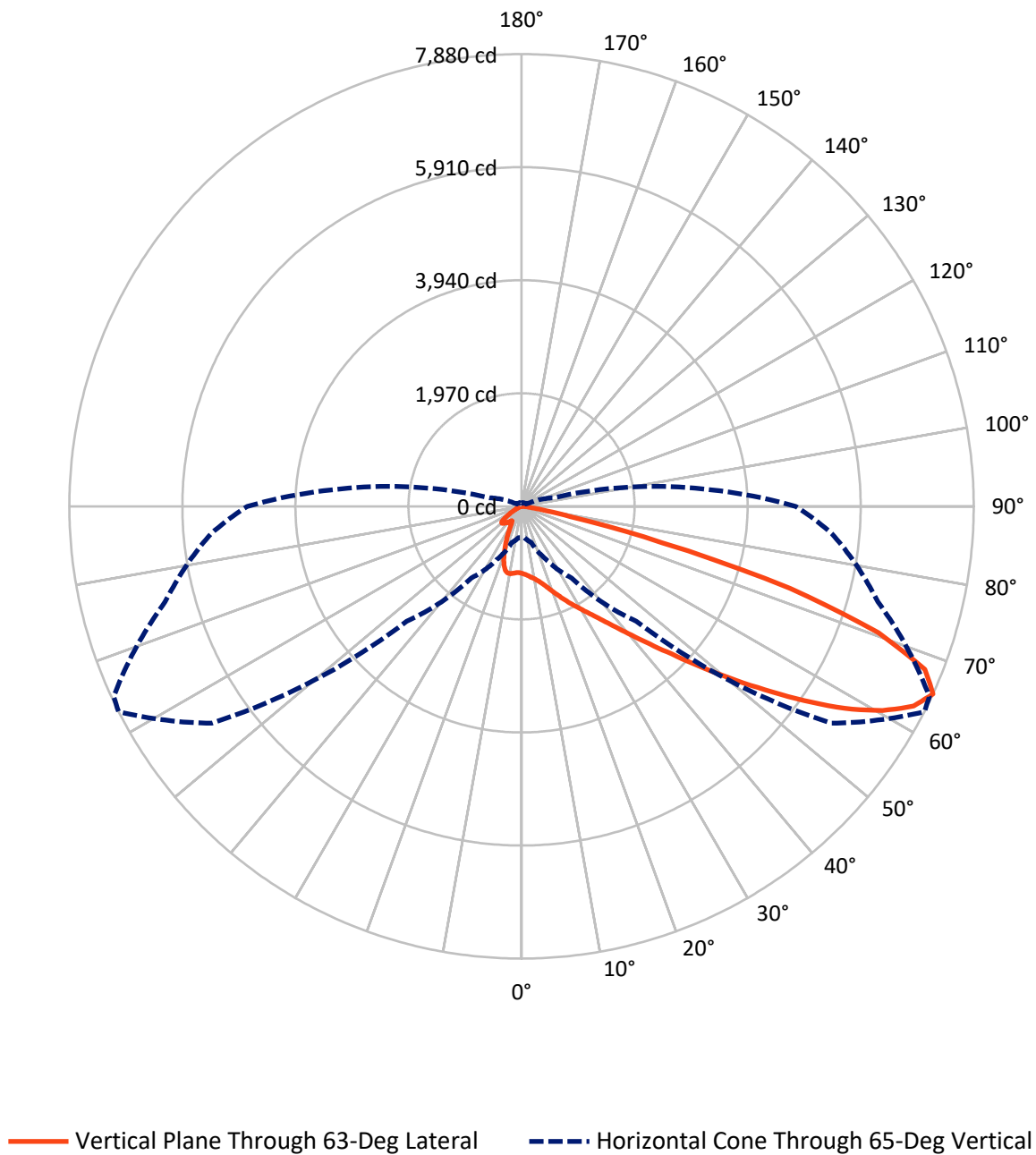


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type II - Short - N/A

REPORT NUMBER: P946987

CATALOG NUMBER: GALN-SB2C-722-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P946987

CATALOG NUMBER: GALN-SB2C-722-U-T2U-HSS

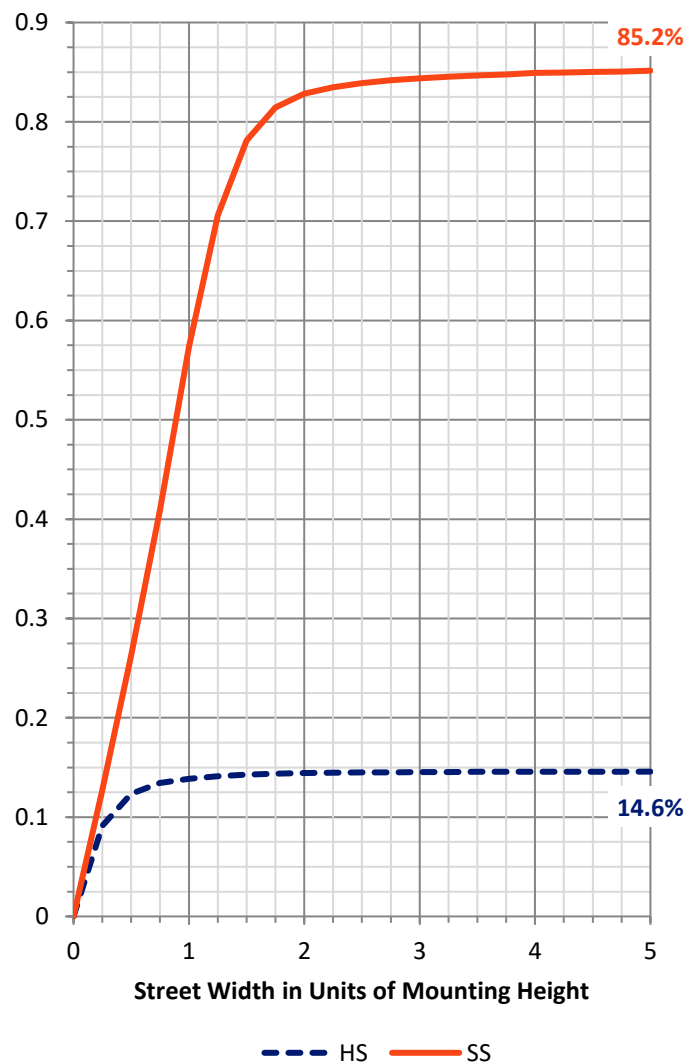
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1389.8	0.0	1389.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	8065.2	0.0	8065.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	9455.0	0.0	9455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.2
10°-20°	305.1	3.2
20°-30°	531.2	5.6
30°-40°	957.4	10.1
40°-50°	1898.9	20.1
50°-60°	2586.6	27.4
60°-70°	2064.6	21.8
70°-80°	934.3	9.9
80°-90°	67.2	0.7
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°	9455.0	100.0
0°-180°	9455.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946987

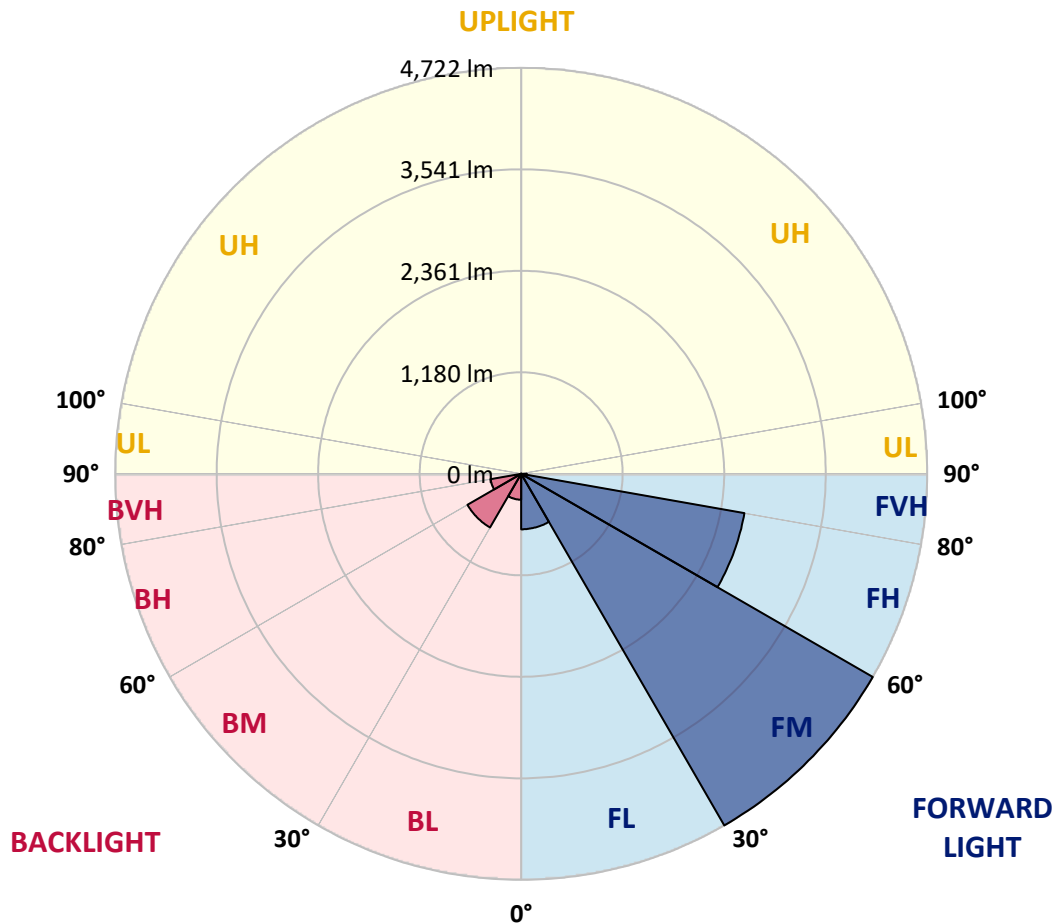
CATALOG NUMBER: GALN-SB2C-722-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.4	6.8			
FM	(30°-60°)	4721.6	49.9			
FH	(60°-80°)	2636.0	27.9			G2/5000
FVH	(80°-90°)	62.2	0.7			G1/100
BL	(0°-30°)	300.8	3.2	B1/500		
BM	(30°-60°)	721.2	7.6	B1/1000		
BH	(60°-80°)	362.8	3.8	B1/500		G1/500
BVH	(80°-90°)	5.0	0.1			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 II Short



REPORT NUMBER: P946987

CATALOG NUMBER: GALN-SB2C-722-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1194.2	1191.0	1195.5	1193.6	1192.3	1189.7	1188.4	1187.1	1184.5	1182.5	1174.7
5°	1197.5	1195.5	1200.1	1204.0	1207.9	1211.8	1213.8	1216.4	1213.8	1208.6	1200.7
7.5°	1170.2	1168.9	1178.6	1190.3	1207.9	1222.9	1239.1	1248.2	1248.9	1246.9	1238.5
10°	1168.2	1165.0	1174.7	1189.0	1211.8	1238.5	1267.1	1286.6	1289.2	1297.7	1288.6
12.5°	1198.8	1195.5	1209.2	1224.8	1248.2	1276.2	1311.3	1338.6	1342.5	1354.3	1347.8
15°	1250.2	1245.6	1261.2	1281.4	1311.3	1343.2	1380.3	1405.0	1408.2	1422.6	1410.8
17.5°	1310.0	1305.5	1323.7	1345.2	1377.7	1421.3	1464.2	1491.5	1495.4	1504.5	1483.0
20°	1386.8	1380.9	1395.2	1414.8	1449.2	1501.3	1552.6	1591.7	1591.0	1591.0	1555.9
22.5°	1475.9	1466.8	1479.1	1494.8	1527.3	1590.4	1658.7	1704.9	1704.9	1686.6	1628.8
25°	1571.5	1562.4	1576.1	1590.4	1619.0	1690.5	1770.6	1827.8	1830.4	1799.2	1706.8
27.5°	1691.2	1679.5	1689.9	1706.8	1723.7	1796.6	1891.5	1957.9	1959.2	1911.1	1781.0
30°	1921.5	1888.3	1855.8	1837.6	1845.4	1917.6	2019.0	2092.5	2099.0	2032.7	1861.6
32.5°	2343.0	2336.5	2222.0	2072.4	1994.3	2047.6	2161.5	2249.9	2253.8	2168.6	1966.3
35°	2998.0	2990.2	2806.1	2521.2	2266.9	2222.0	2334.5	2439.2	2436.6	2340.4	2102.3
37.5°	3779.8	3772.7	3530.0	3148.9	2737.1	2485.4	2557.6	2667.5	2683.8	2557.6	2277.9
40°	4447.8	4421.2	4267.7	3900.2	3361.6	2922.5	2875.0	2947.9	2964.8	2815.2	2501.0
42.5°	4953.9	4931.1	4853.1	4623.5	4117.4	3569.1	3249.0	3277.0	3295.9	3116.4	2757.3
45°	5216.0	5210.8	5242.1	5220.6	4887.6	4362.6	3783.7	3667.3	3674.4	3450.0	3048.1
47.5°	5253.1	5250.5	5393.0	5594.6	5549.7	5257.7	4470.0	4153.8	4128.5	3826.7	3364.2
50°	5034.6	5029.4	5302.6	5680.5	5992.0	6009.6	5249.2	4702.2	4646.2	4216.3	3694.0
52.5°	4336.6	4335.3	4784.1	5413.1	6147.5	6667.9	6019.4	5304.5	5210.8	4628.7	4042.6
55°	3336.9	3360.9	3875.4	4618.9	5863.9	6984.6	6710.8	5973.2	5829.4	5043.7	4363.9
57.5°	2363.8	2398.9	2907.6	3569.7	4984.5	6797.3	7178.5	6643.2	6488.3	5457.4	4689.8
60°	1269.7	1300.9	1810.2	2600.5	3708.3	6098.7	7425.0	7224.7	7078.3	5850.2	4983.8
62.5°	756.5	766.9	977.6	1678.8	2508.2	4659.2	7320.3	7667.6	7547.3	6180.0	5239.5
65°	543.1	545.1	651.1	1025.1	1522.7	2830.8	6585.9	7879.7	7842.6	6428.5	5428.7
67.5°	457.3	456.0	500.2	681.0	1037.5	1418.0	5047.6	7579.8	7737.2	6585.9	5536.1
70°	392.2	394.2	446.2	498.9	779.9	802.7	2509.5	6599.6	6935.2	6627.5	5529.6
72.5°	292.1	298.6	346.7	454.7	588.7	552.2	866.4	4893.4	5500.3	6244.4	5242.7
75°	206.2	209.4	243.9	382.5	439.1	402.0	442.3	2529.6	3307.6	4787.4	4291.1
77.5°	158.7	164.6	184.7	267.3	432.6	282.3	270.6	875.5	1345.2	2891.9	2942.0
80°	85.9	96.3	133.3	193.2	303.8	199.7	134.0	348.6	456.0	1352.3	1134.4
82.5°	44.2	49.4	93.0	139.2	173.0	174.3	66.3	145.1	188.0	417.6	155.5
85°	17.6	21.5	62.4	76.8	89.1	85.9	29.9	58.5	67.6	115.8	47.5
87.5°	3.9	6.5	22.8	17.6	16.9	18.2	7.2	13.7	13.0	13.7	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P946987

CATALOG NUMBER: GALN-SB2C-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1174.1	1171.5	1164.3	1156.5	1147.4	1142.2	1139.0	1138.3	1133.8	1130.5	1133.8
5°	1193.6	1191.0	1177.3	1161.1	1143.5	1129.8	1116.8	1105.1	1088.2	1085.0	1083.7
7.5°	1232.6	1225.5	1203.4	1181.2	1148.1	1108.4	1060.3	1005.0	955.5	940.6	933.4
10°	1280.8	1271.0	1243.0	1204.0	1130.5	1022.5	906.1	798.1	712.3	688.2	679.1
12.5°	1335.4	1326.9	1289.9	1217.7	1057.0	861.2	683.0	549.0	465.7	444.9	439.1
15°	1400.4	1388.1	1336.7	1196.8	925.6	654.4	469.0	389.6	359.7	355.8	351.9
17.5°	1469.4	1449.2	1378.3	1122.0	748.7	465.1	362.3	339.5	326.5	322.6	320.7
20°	1532.5	1506.5	1403.0	1008.9	559.4	362.3	324.6	309.6	297.9	293.4	290.8
22.5°	1595.6	1558.5	1403.0	854.7	419.5	321.3	297.9	284.3	270.6	264.7	261.5
25°	1661.3	1611.8	1378.3	683.0	337.6	294.7	272.5	257.6	245.9	238.7	236.1
27.5°	1725.0	1656.7	1321.7	520.4	300.5	271.2	249.1	234.8	223.8	218.6	218.6
30°	1785.5	1701.0	1242.4	394.8	276.4	248.5	227.7	215.3	204.2	199.0	199.7
32.5°	1867.5	1756.9	1157.8	323.9	255.6	227.0	208.1	196.4	186.7	182.8	182.8
35°	1981.3	1839.5	1085.0	318.1	238.1	209.4	190.6	179.5	169.8	166.5	166.5
37.5°	2142.6	1972.8	1046.6	357.1	223.8	193.8	176.3	164.6	155.5	152.9	152.2
40°	2341.7	2153.7	1067.4	396.1	214.0	180.2	163.3	151.6	143.8	140.5	139.8
42.5°	2577.8	2376.8	1182.5	426.1	207.5	168.5	150.9	137.9	132.7	131.4	131.4
45°	2849.0	2622.0	1358.8	457.9	197.1	157.4	138.5	128.8	124.9	124.2	123.6
47.5°	3157.3	2891.3	1563.1	497.6	186.7	147.0	128.8	122.3	119.0	117.7	117.7
50°	3463.1	3162.5	1773.2	519.7	178.2	137.2	121.0	115.8	113.2	112.5	112.5
52.5°	3783.1	3441.6	1942.9	498.9	171.1	129.4	114.5	110.6	108.0	107.3	107.3
55°	4088.1	3667.3	1972.2	423.4	156.8	121.6	107.3	105.4	102.1	102.1	101.5
57.5°	4350.9	3780.5	1765.3	310.9	142.5	109.9	100.2	98.2	95.6	95.0	94.3
60°	4592.2	3748.0	1362.7	209.4	126.8	98.2	91.1	89.8	87.2	83.9	83.3
62.5°	4728.2	3604.9	932.1	136.6	111.2	85.9	80.7	80.0	74.2	67.6	66.3
65°	4779.6	3310.8	581.5	99.5	93.0	73.5	69.6	68.3	59.8	52.7	52.0
67.5°	4734.7	2826.9	293.4	78.7	73.5	61.1	57.2	57.2	51.4	44.9	44.2
70°	4555.2	2119.2	123.6	63.1	56.6	46.8	46.8	49.4	43.6	36.4	35.8
72.5°	4165.5	1425.8	65.7	48.1	42.3	33.2	38.4	40.3	34.5	27.3	27.3
75°	3311.5	869.7	45.5	35.8	26.7	23.4	29.3	30.6	23.4	18.2	17.6
77.5°	2264.9	499.6	30.6	22.8	16.9	13.7	20.2	18.9	12.4	8.5	9.1
80°	994.6	208.1	17.6	10.4	6.5	5.2	7.2	5.2	3.9	2.6	2.6
82.5°	116.4	48.8	6.5	3.9	2.6	1.3	0.7	0.0	0.0	0.0	0.0
85°	24.1	5.9	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	1.3	0.7	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)