

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: P947703

Luminaire Tested: **GALN-SB3A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

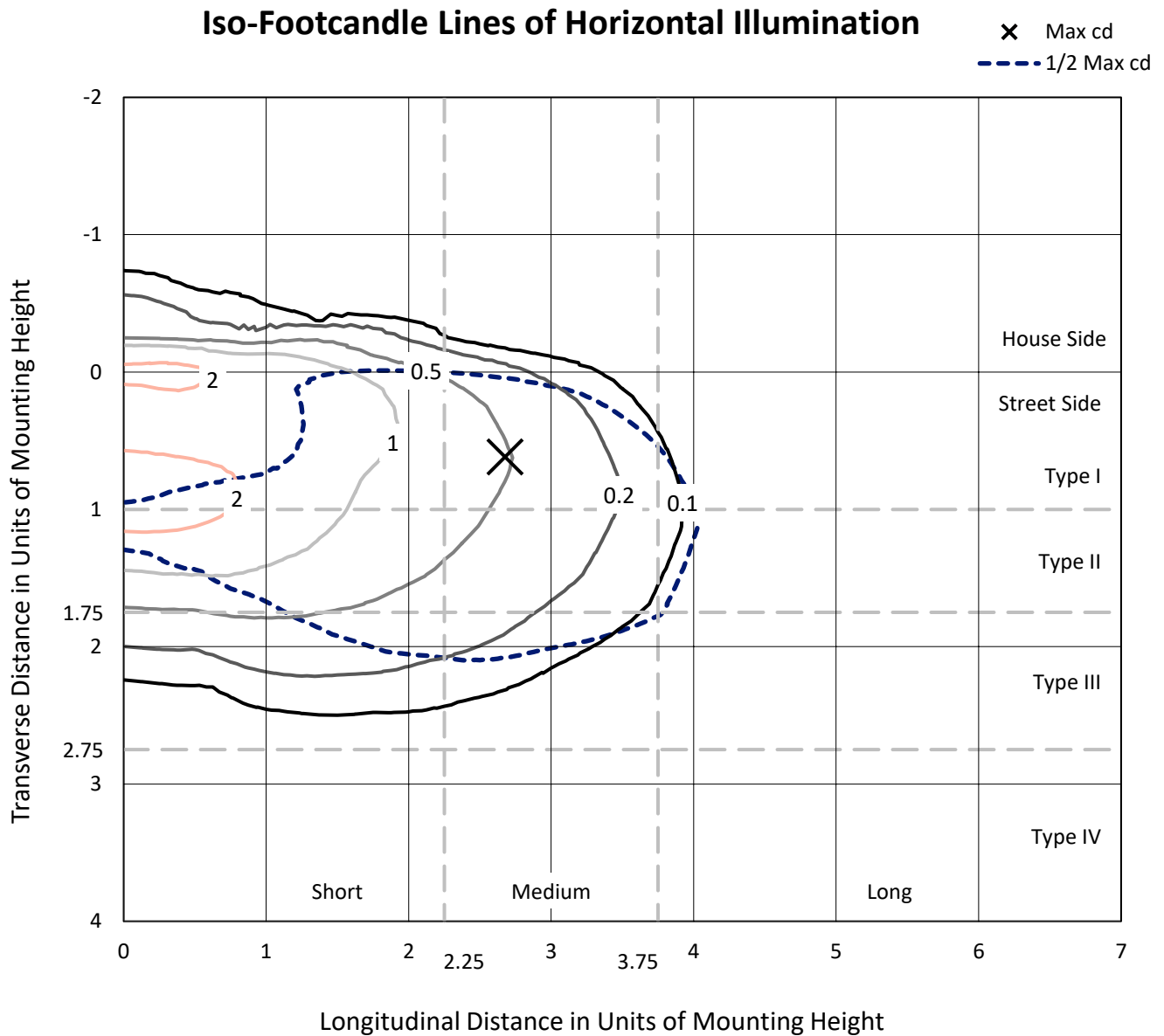
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9256 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.7
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



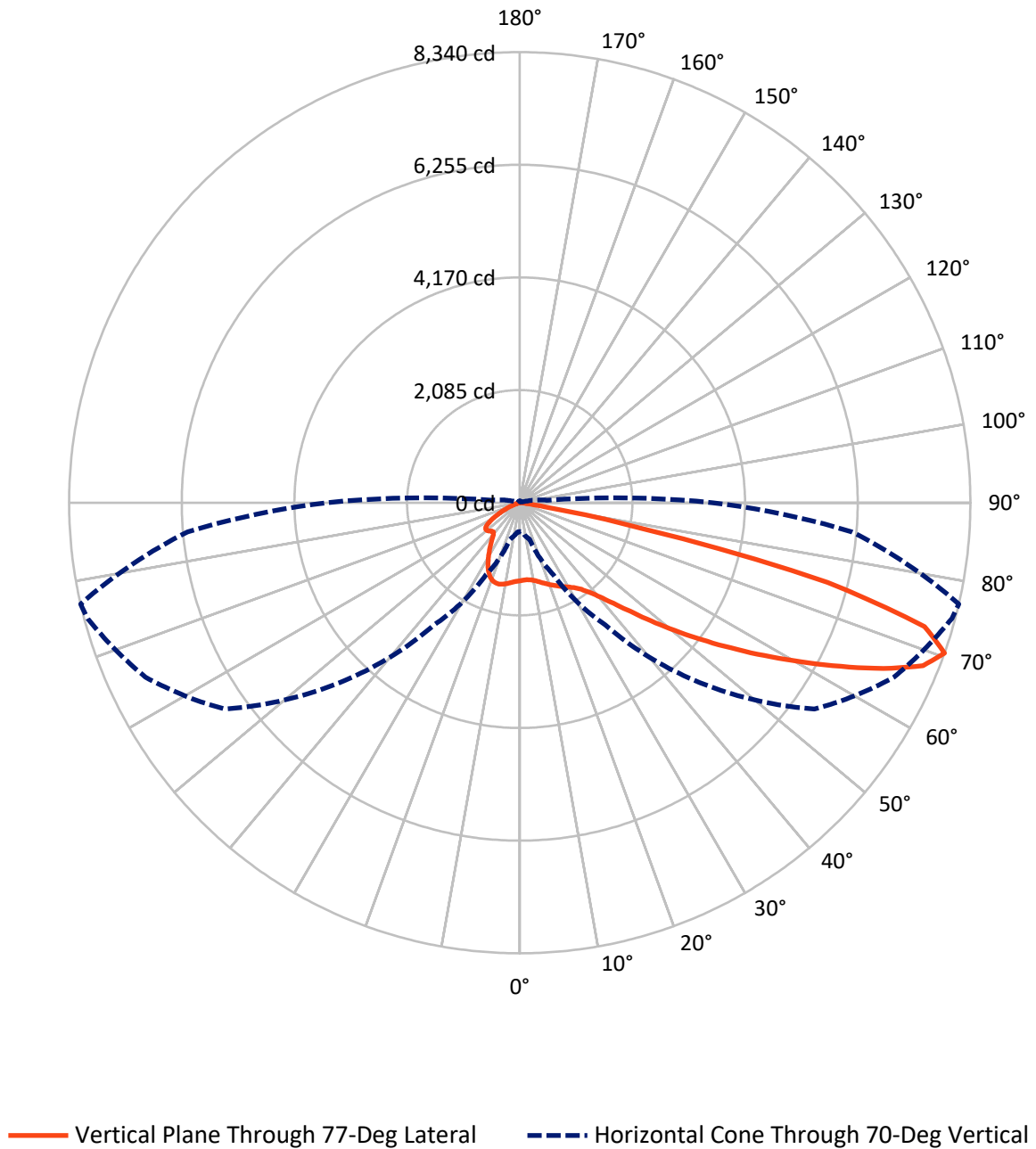
REPORT NUMBER: P947703
CATALOG NUMBER: GALN-SB3A-722-U-T3R-HSS



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Medium - N/A

REPORT NUMBER: P947703
CATALOG NUMBER: GALN-SB3A-722-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P947703

CATALOG NUMBER: GALN-SB3A-722-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.7	0.0	975.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	8280.3	0.0	8280.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	9256.0	0.0	9256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	1.3
10°-20°	295.4	3.2
20°-30°	456.9	4.9
30°-40°	829.0	9.0
40°-50°	1564.9	16.9
50°-60°	2261.1	24.4
60°-70°	2406.9	26.0
70°-80°	1275.5	13.8
80°-90°	41.9	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°	9256.0	100.0
0°-180°	9256.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947703

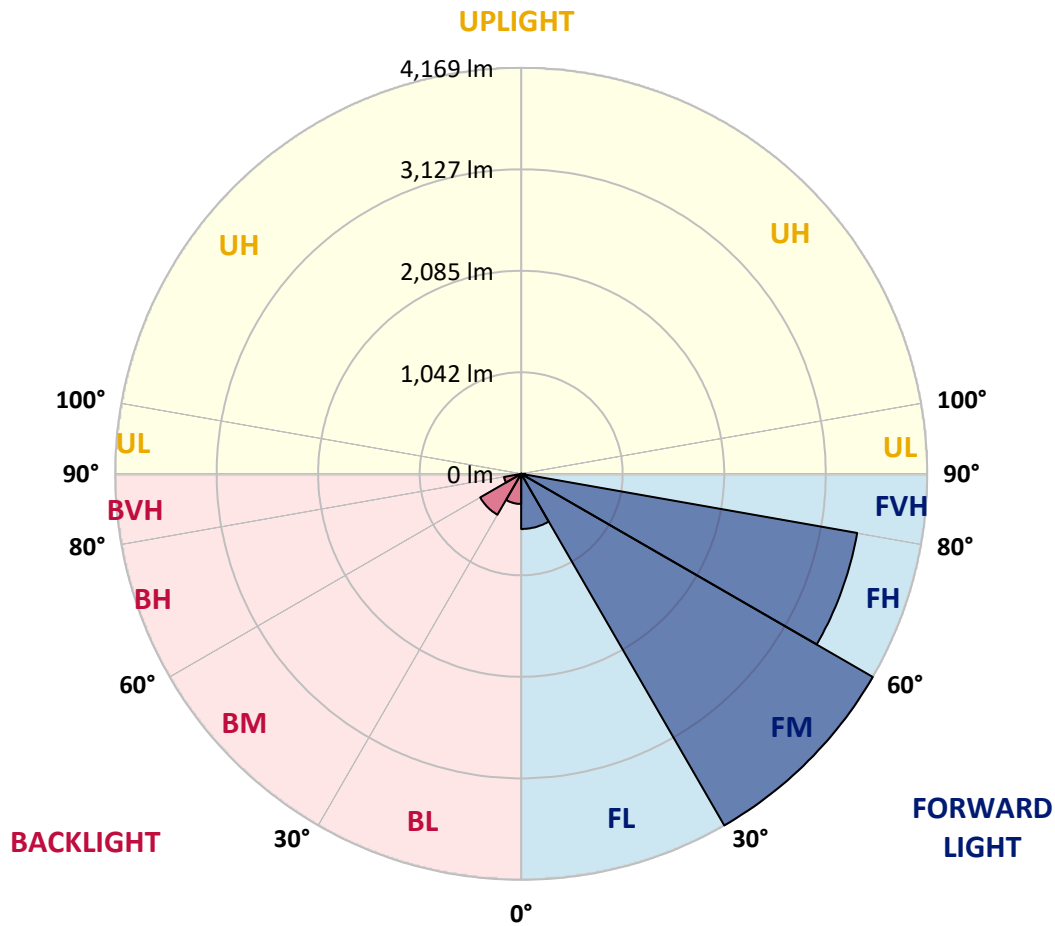
CATALOG NUMBER: GALN-SB3A-722-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	566.7	6.1			
FM	(30°-60°)	4169.3	45.0			
FH	(60°-80°)	3503.5	37.9			G2/5000
FVH	(80°-90°)	40.8	0.4			G1/100
BL	(0°-30°)	310.0	3.3	B1/500		
BM	(30°-60°)	485.7	5.2	B1/1000		
BH	(60°-80°)	178.9	1.9	B1/500		G1/500
BVH	(80°-90°)	1.1	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-G2

Type III Medium



REPORT NUMBER: P947703

CATALOG NUMBER: GALN-SB3A-722-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8
2.5°	1355.5	1367.8	1366.0	1374.2	1377.1	1388.8	1400.5	1416.3	1433.8	1433.2	1444.9
5°	1278.9	1291.2	1294.1	1305.2	1319.3	1337.4	1361.4	1392.9	1425.6	1430.9	1454.3
7.5°	1188.3	1201.2	1208.8	1231.0	1256.7	1294.1	1333.3	1379.5	1433.8	1441.4	1486.4
10°	1097.7	1109.4	1119.4	1150.9	1191.8	1247.4	1311.1	1377.7	1450.8	1461.9	1525.6
12.5°	1041.6	1052.7	1063.8	1091.3	1142.2	1210.0	1296.5	1385.9	1478.8	1494.6	1578.8
15°	1021.7	1031.7	1040.4	1065.0	1112.3	1189.5	1293.5	1402.9	1514.5	1535.5	1643.1
17.5°	1024.7	1029.9	1035.8	1054.5	1100.7	1180.1	1298.8	1432.1	1556.6	1575.3	1707.4
20°	1041.6	1044.5	1045.1	1058.0	1098.9	1179.0	1309.3	1460.1	1596.3	1621.5	1771.1
22.5°	1063.2	1064.4	1063.2	1072.0	1110.0	1187.7	1323.4	1494.0	1640.8	1664.1	1835.4
25°	1164.4	1142.2	1114.1	1097.1	1128.7	1204.7	1344.4	1539.6	1689.3	1712.1	1897.9
27.5°	1478.3	1414.5	1314.0	1201.2	1167.3	1229.2	1373.6	1585.8	1738.4	1758.8	1965.2
30°	1988.0	1904.4	1733.7	1479.4	1291.2	1280.7	1411.6	1632.0	1790.4	1812.6	2037.1
32.5°	2498.8	2478.4	2281.4	1929.5	1570.0	1395.3	1474.7	1694.5	1859.4	1876.9	2134.1
35°	3015.5	2974.0	2812.7	2464.9	1999.6	1628.5	1580.0	1776.4	1950.0	1969.8	2275.5
37.5°	3411.3	3386.1	3286.2	2999.8	2509.4	1988.5	1760.0	1903.2	2081.5	2103.7	2456.7
40°	3760.8	3749.1	3715.2	3526.4	3079.3	2459.7	2040.0	2099.6	2263.9	2290.2	2678.9
42.5°	4035.5	4063.0	4082.3	4029.7	3666.7	2997.4	2416.4	2375.5	2518.1	2545.0	2961.8
45°	4316.7	4326.0	4403.8	4479.8	4250.1	3559.7	2840.8	2698.7	2834.3	2867.7	3300.8
47.5°	4497.3	4534.7	4671.5	4805.4	4740.5	4117.4	3296.7	3080.4	3200.8	3263.4	3680.7
50°	4510.8	4581.5	4769.7	5002.9	5097.6	4648.1	3792.4	3515.3	3643.3	3712.3	4086.4
52.5°	4286.9	4396.8	4688.4	5029.8	5290.5	5097.6	4305.0	3950.2	4114.4	4204.5	4507.2
55°	3286.8	3430.6	4382.7	4883.7	5298.1	5438.4	4804.2	4403.2	4639.3	4741.1	4962.0
57.5°	2863.6	2936.1	3445.8	4630.0	5157.2	5575.8	5255.4	4834.6	5210.4	5336.7	5391.6
60°	2382.5	2477.8	2889.9	4215.0	4966.1	5589.2	5654.1	5391.0	5829.4	5971.5	5785.6
62.5°	1619.1	1722.6	2132.3	3501.9	4704.8	5582.8	5980.8	5963.9	6517.4	6670.0	6119.4
65°	1003.0	1067.9	1338.0	2859.5	4339.5	5589.8	6322.8	6659.5	7243.4	7398.3	6377.7
67.5°	792.6	822.4	963.3	2195.5	3710.0	5432.0	6664.1	7313.5	7926.7	8049.4	6456.6
70°	532.5	550.6	700.8	1471.8	2760.1	4703.6	6657.7	7642.0	8278.6	8340.0	6169.0
72.5°	280.6	294.6	409.7	681.6	1667.1	3343.5	5612.0	7249.2	7928.5	7836.1	5273.0
75°	140.3	163.7	275.9	346.0	711.9	1864.6	3484.9	5715.5	6240.4	5882.6	3383.2
77.5°	106.4	128.6	228.0	228.0	247.8	627.8	1475.9	3117.3	2875.3	2394.2	993.1
80°	67.8	87.7	199.3	172.4	103.5	159.6	384.6	873.3	610.8	464.7	180.6
82.5°	39.7	57.3	166.0	114.0	57.9	59.0	108.7	185.9	158.4	123.3	55.5
85°	15.8	37.4	114.0	45.0	22.8	14.6	32.7	39.7	32.7	24.5	14.0
87.5°	0.0	8.8	19.9	0.0	1.8	1.2	2.3	2.9	2.9	2.3	4.7
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: P947703

CATALOG NUMBER: GALN-SB3A-722-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8	1443.8
2.5°	1450.2	1451.4	1454.9	1455.5	1447.3	1436.8	1432.7	1430.9	1423.9	1423.3	1424.5
5°	1467.7	1473.0	1467.7	1452.5	1416.3	1365.4	1326.9	1295.3	1266.7	1257.9	1252.6
7.5°	1502.8	1508.1	1492.3	1432.7	1341.5	1240.4	1149.2	1084.9	1027.0	1005.4	996.6
10°	1553.1	1560.1	1510.4	1390.0	1228.7	1066.2	911.9	803.1	718.4	683.9	669.3
12.5°	1616.2	1619.1	1520.3	1325.1	1081.9	849.9	631.3	515.0	439.6	411.5	402.7
15°	1685.8	1681.7	1521.5	1236.8	882.0	600.9	412.1	338.4	308.0	298.7	298.7
17.5°	1758.8	1741.9	1498.1	1109.4	662.8	410.9	305.7	288.2	282.9	280.6	280.0
20°	1830.7	1792.7	1455.5	942.8	475.8	306.9	277.6	272.4	269.5	268.3	267.1
22.5°	1896.2	1831.3	1382.4	749.4	345.5	271.2	262.5	257.8	252.5	250.2	249.6
25°	1959.9	1853.5	1279.5	568.7	276.5	253.7	246.7	237.9	230.9	228.0	226.8
27.5°	2021.9	1867.5	1150.9	420.9	246.7	237.3	224.5	212.2	206.9	205.8	204.6
30°	2087.9	1872.2	1004.8	313.9	228.5	216.9	198.2	184.1	181.2	181.8	181.8
32.5°	2168.6	1879.2	857.5	257.2	213.4	192.3	170.1	155.5	153.1	155.5	154.9
35°	2265.0	1893.3	715.5	236.7	199.9	167.2	143.2	130.9	128.6	130.3	129.8
37.5°	2396.0	1916.1	582.8	232.6	188.8	146.1	120.4	110.5	110.5	111.1	110.5
40°	2570.1	1976.9	464.1	229.7	183.0	130.3	101.7	97.6	99.4	100.5	100.5
42.5°	2782.3	2106.0	384.0	226.2	176.5	123.3	92.4	90.6	93.5	94.7	94.7
45°	3020.2	2269.7	356.0	220.4	170.7	128.0	88.3	85.9	89.4	90.0	90.6
47.5°	3266.3	2429.9	352.5	213.9	164.8	135.0	87.1	81.8	85.9	86.5	87.1
50°	3515.3	2534.5	356.0	204.0	155.5	135.0	87.7	77.7	81.2	83.0	83.6
52.5°	3766.1	2582.4	353.6	182.4	139.1	126.8	87.7	74.2	77.7	78.9	78.9
55°	4009.2	2573.1	318.0	150.2	118.1	112.2	85.3	71.3	73.6	74.2	74.2
57.5°	4201.5	2442.7	251.9	116.9	95.9	93.5	77.7	67.8	69.6	69.0	69.0
60°	4302.1	2156.3	180.0	90.0	75.4	73.6	68.4	63.1	64.3	61.4	60.8
62.5°	4303.2	1777.5	120.4	71.3	60.2	58.5	58.5	56.7	55.5	49.7	47.9
65°	4211.5	1357.3	80.1	56.7	48.5	45.6	49.1	48.5	44.4	36.2	35.1
67.5°	4003.4	889.6	60.8	44.4	37.4	35.7	39.2	40.9	38.0	30.4	29.8
70°	3575.5	517.9	50.3	34.5	28.1	26.3	31.6	35.1	31.6	24.5	23.4
72.5°	2970.0	279.4	40.9	25.7	19.3	17.5	25.1	28.6	25.1	18.1	17.5
75°	1927.2	149.6	31.6	17.0	9.9	11.1	18.7	21.0	17.5	11.7	10.5
77.5°	647.1	66.1	19.9	8.2	4.7	4.7	11.1	12.9	8.2	4.1	3.5
80°	144.4	27.5	8.2	3.5	1.8	1.8	2.3	2.3	1.2	0.0	0.0
82.5°	47.3	11.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.1	4.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.0	0.6	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)