

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: P940248

Luminaire Tested: **GALN-SB3B-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10567 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.2
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



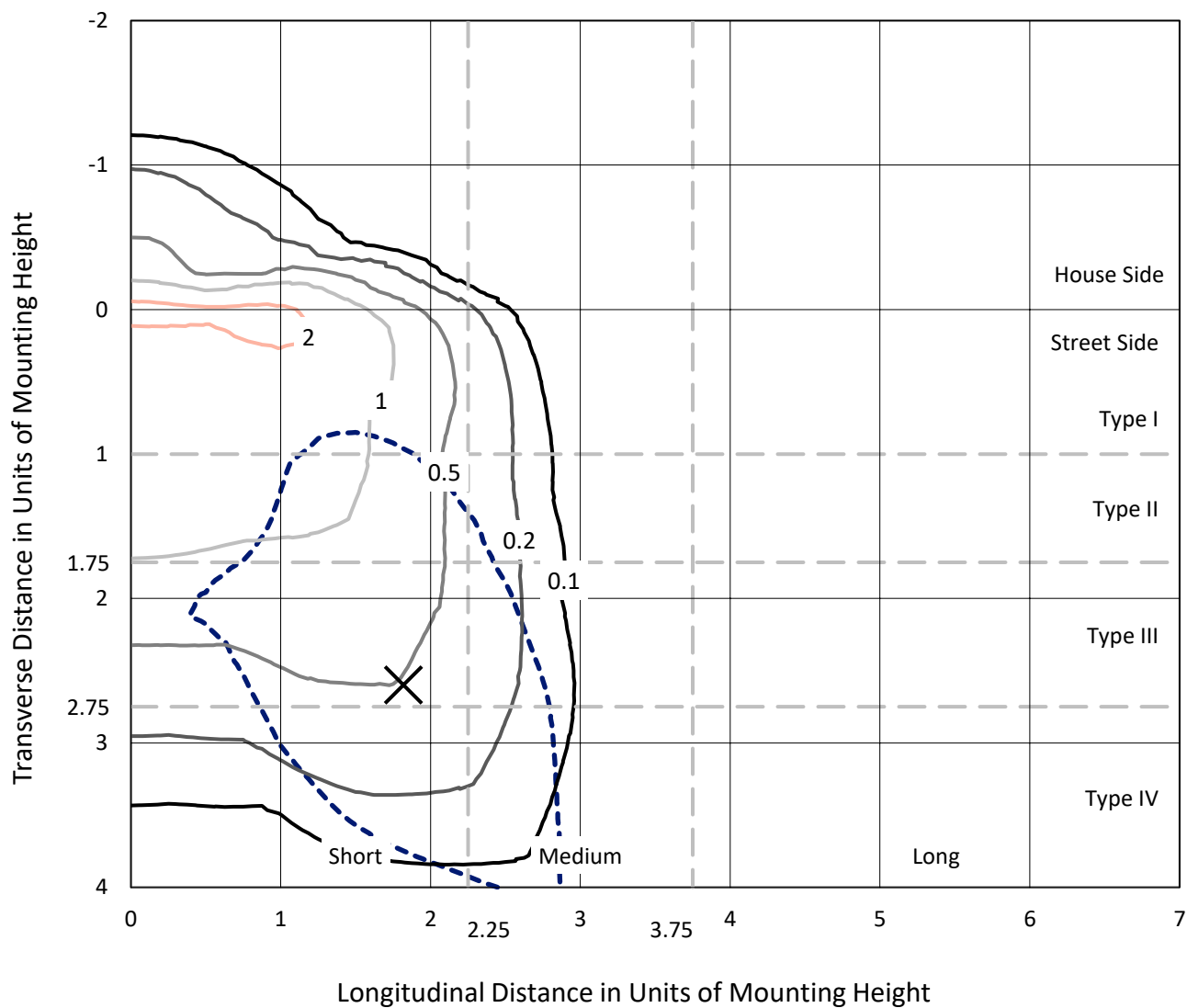
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

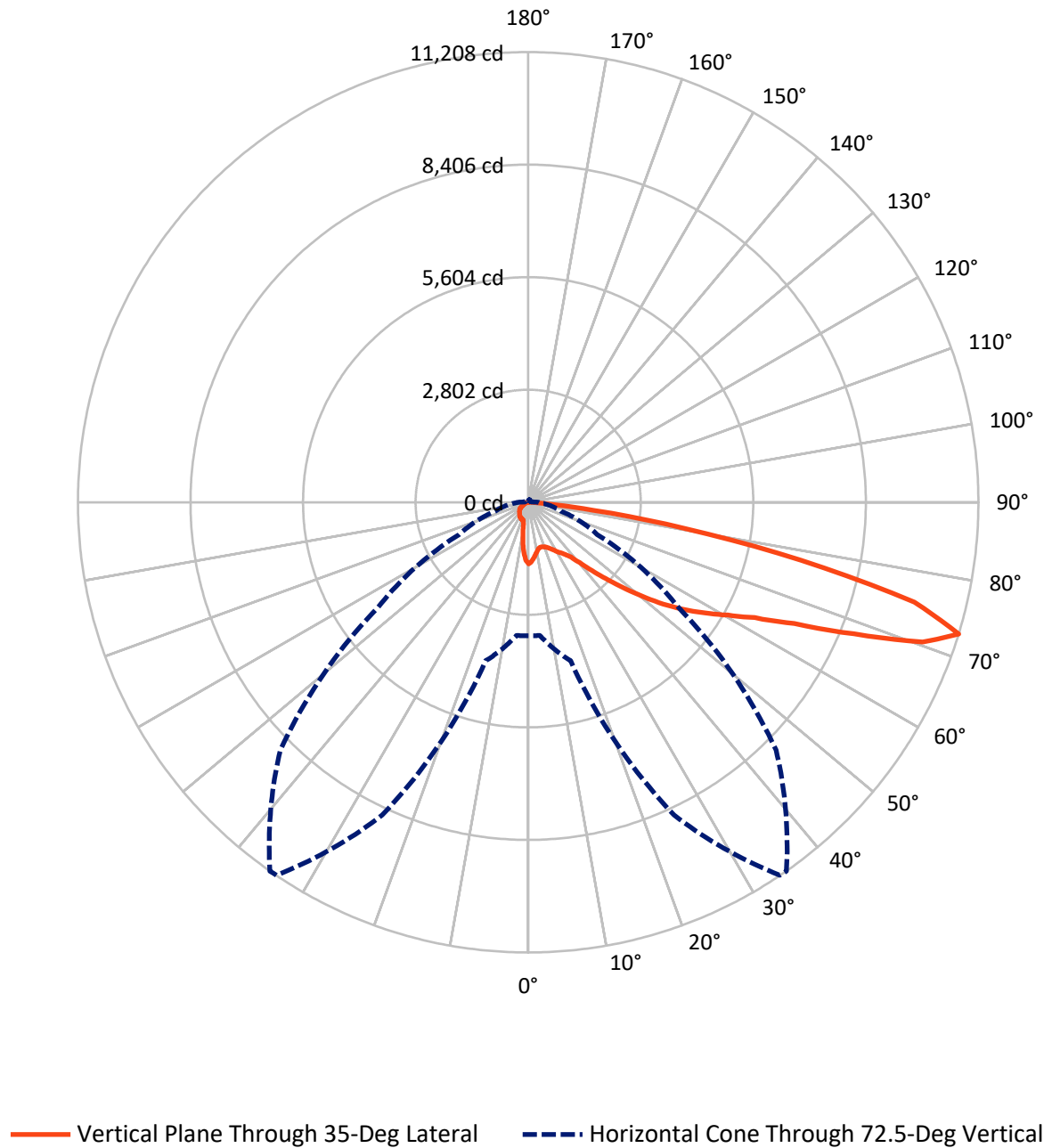
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	1189.3	0.0	1189.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9377.7	0.0	9377.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	10567.0	0.0	10567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	1.2
10°-20°	294.4	2.8
20°-30°	478.3	4.5
30°-40°	798.0	7.6
40°-50°	1509.8	14.3
50°-60°	2399.0	22.7
60°-70°	2967.8	28.1
70°-80°	1844.8	17.5
80°-90°	149.1	1.4
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°	10567.0	100.0
0°-180°	10567.0	100.0

Coefficient of Utilization



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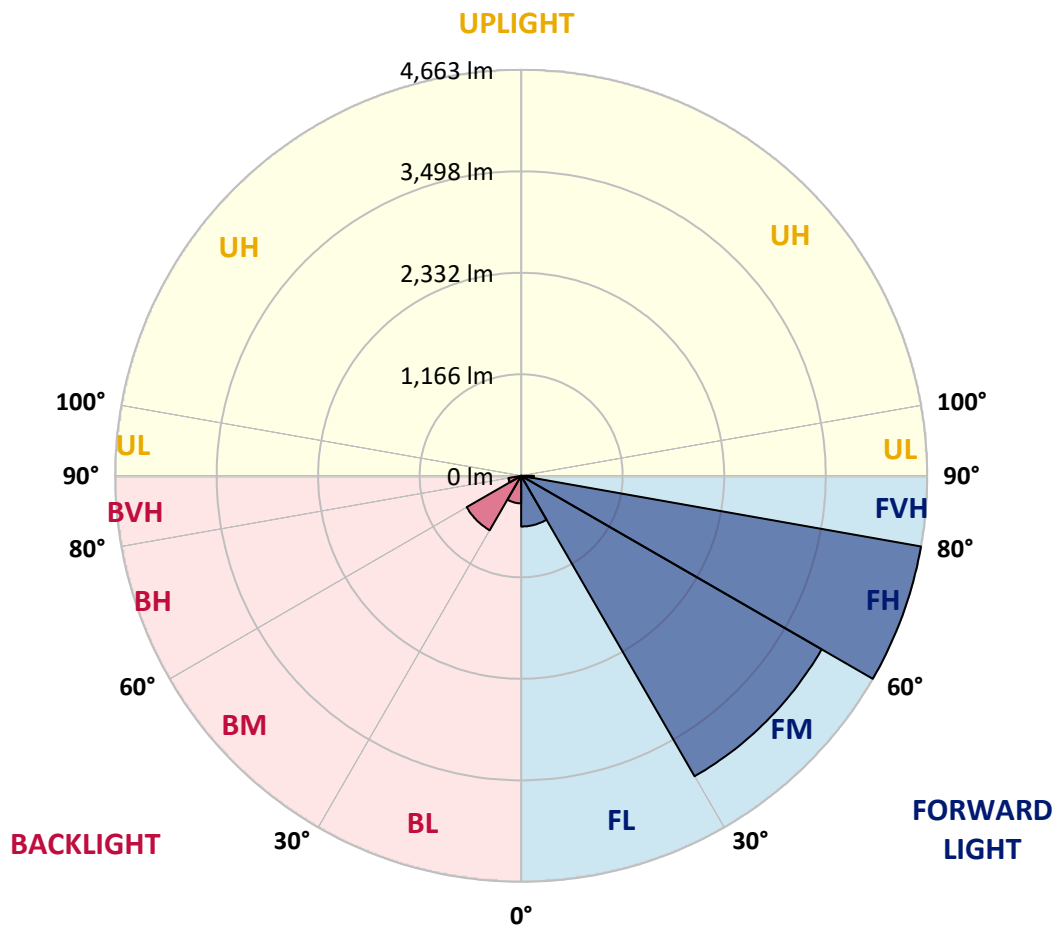
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	582.5	5.5			
FM	(30°-60°)	3984.8	37.7			
FH	(60°-80°)	4663.3	44.1			G2/5000
FVH	(80°-90°)	147.1	1.4			G2/225
BL	(0°-30°)	316.0	3.0	B1/500		
BM	(30°-60°)	722.0	6.8	B1/1000		
BH	(60°-80°)	149.2	1.4	B1/500		G1/500
BVH	(80°-90°)	2.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5
2.5°	1463.4	1475.8	1478.1	1482.0	1482.0	1486.6	1494.3	1505.2	1523.0	1532.3	1538.5
5°	1348.8	1358.1	1369.7	1379.0	1396.8	1399.1	1429.3	1458.7	1499.8	1530.7	1552.4
7.5°	1233.4	1244.3	1259.7	1282.2	1305.4	1312.4	1358.1	1407.6	1472.7	1530.7	1567.1
10°	1152.1	1152.9	1166.8	1189.3	1226.4	1235.0	1290.7	1361.2	1442.5	1521.4	1581.1
12.5°	1106.4	1111.9	1118.1	1135.1	1170.7	1176.1	1235.7	1318.6	1412.3	1516.0	1597.3
15°	1106.4	1110.3	1114.2	1122.7	1151.3	1156.0	1208.6	1291.5	1396.8	1518.3	1623.7
17.5°	1118.1	1124.2	1121.1	1131.2	1161.4	1164.5	1211.0	1283.7	1396.0	1533.1	1663.9
20°	1145.9	1150.6	1144.4	1150.6	1180.8	1187.0	1235.0	1298.5	1409.2	1558.6	1714.2
22.5°	1190.1	1192.4	1177.7	1182.3	1213.3	1221.0	1276.8	1340.3	1440.9	1599.6	1781.6
25°	1245.8	1250.5	1228.0	1233.4	1262.8	1272.1	1336.4	1403.0	1491.3	1656.2	1867.5
27.5°	1310.1	1312.4	1293.0	1292.3	1330.2	1343.4	1408.4	1480.4	1558.6	1727.4	1975.9
30°	1383.6	1390.6	1372.0	1368.9	1416.9	1427.8	1492.0	1575.6	1657.7	1834.3	2130.0
32.5°	1441.7	1447.1	1436.3	1444.0	1492.8	1501.3	1593.5	1710.4	1813.3	1986.0	2339.9
35°	1525.3	1528.4	1503.6	1517.6	1573.3	1595.0	1732.0	1899.3	2009.2	2176.5	2613.9
37.5°	1828.1	1828.1	1722.8	1653.8	1707.3	1726.6	1921.7	2137.0	2250.8	2432.0	2959.3
40°	2246.9	2240.0	2085.9	1945.0	1938.0	1975.9	2192.0	2436.6	2562.8	2738.6	3348.0
42.5°	2693.7	2682.9	2473.0	2333.7	2310.4	2323.6	2504.0	2806.0	2934.5	3112.6	3766.1
45°	3090.1	3087.0	2895.0	2707.6	2665.8	2707.6	2893.5	3238.0	3330.1	3517.5	4183.4
47.5°	3422.3	3422.3	3282.1	3159.8	3138.1	3162.9	3420.7	3717.3	3708.8	3948.8	4589.9
50°	3804.8	3801.7	3668.5	3615.9	3638.3	3673.2	4027.8	4222.1	4100.6	4372.3	4953.0
52.5°	4072.7	4091.3	4045.6	4037.1	4151.7	4212.0	4644.1	4716.1	4451.3	4774.2	5224.8
55°	4284.8	4306.5	4359.2	4418.8	4639.4	4718.4	5241.1	5184.5	4744.7	5122.6	5381.2
57.5°	4585.2	4554.3	4635.6	4753.3	5110.2	5205.4	5819.4	5626.6	4980.9	5405.2	5398.2
60°	4949.9	4954.6	4968.5	5117.2	5580.2	5702.5	6389.3	6044.8	5132.7	5578.6	5209.3
62.5°	5388.2	5395.1	5423.8	5652.2	6211.2	6326.6	6996.3	6387.0	5202.3	5529.9	4721.5
65°	5358.0	5387.4	5707.2	6488.4	7170.5	7284.4	7704.8	6627.0	5097.0	5083.9	3844.3
67.5°	4881.0	4929.0	5464.0	7487.2	8616.9	8743.9	8561.1	6674.2	4642.5	3953.4	2507.9
70°	4255.4	4272.4	4915.9	8385.4	10291.6	10420.2	9327.7	6154.7	3522.9	2205.1	1123.5
72.5°	3323.2	3327.1	4082.0	8593.7	11200.6	11207.6	8726.1	4569.0	1894.6	847.1	390.2
75°	2373.9	2350.7	2734.0	6969.2	9854.2	9933.2	6541.8	2143.2	723.9	400.3	194.3
77.5°	1272.9	1298.5	1547.0	4133.1	6807.4	6942.1	3569.4	617.9	368.6	272.5	128.5
80°	393.3	415.0	634.1	1892.3	3855.9	3937.2	1323.2	274.9	257.1	194.3	84.4
82.5°	123.9	128.5	295.8	795.2	1600.4	1637.6	383.3	155.6	175.8	128.5	49.6
85°	35.6	36.4	131.6	296.5	395.7	403.4	107.6	60.4	100.7	79.8	25.6
87.5°	3.9	12.4	49.6	49.6	34.8	34.1	11.6	13.2	28.6	10.1	4.6
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°	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5
2.5°	1534.6	1535.4	1525.3	1508.3	1489.7	1474.2	1454.9	1439.4	1428.5	1425.4	1430.9
5°	1545.4	1540.0	1511.4	1459.5	1397.6	1344.1	1284.5	1237.3	1206.3	1193.2	1197.8
7.5°	1561.7	1546.2	1483.5	1381.3	1262.8	1157.5	1050.7	967.8	915.2	888.9	892.7
10°	1575.6	1544.7	1437.1	1268.3	1087.1	927.6	783.6	683.7	627.9	601.6	602.4
12.5°	1588.8	1543.9	1376.7	1134.3	888.9	693.7	559.8	510.2	494.8	489.3	487.8
15°	1613.6	1546.2	1300.8	981.0	691.4	524.2	475.4	474.6	477.7	476.2	475.4
17.5°	1647.7	1548.5	1214.8	818.4	533.5	462.2	459.9	466.9	471.5	469.2	468.4
20°	1691.8	1557.8	1123.5	657.4	458.4	446.8	452.2	458.4	462.2	458.4	457.6
22.5°	1753.7	1574.1	1023.6	528.1	434.4	437.5	442.1	449.1	452.9	447.5	446.8
25°	1829.6	1599.6	925.3	459.1	422.8	426.6	433.6	441.3	446.0	440.6	439.8
27.5°	1927.9	1640.7	834.7	443.7	411.1	413.5	423.5	435.1	441.3	434.4	434.4
30°	2070.4	1708.0	756.5	450.6	404.2	398.8	412.7	428.9	435.9	429.7	428.9
32.5°	2259.3	1803.3	708.5	461.5	401.1	381.7	394.9	415.8	427.4	423.5	423.5
35°	2507.1	1948.1	689.9	473.9	398.8	363.9	373.2	395.7	415.8	419.7	419.7
37.5°	2807.5	2149.4	695.3	479.3	391.8	349.2	353.8	373.2	399.5	411.9	415.0
40°	3149.0	2384.0	726.3	473.9	384.0	336.8	337.6	352.3	375.5	394.1	400.3
42.5°	3501.3	2658.1	783.6	453.7	377.1	326.0	323.6	333.7	349.2	362.4	367.8
45°	3836.5	2939.9	840.1	425.9	368.6	315.1	309.7	313.6	316.7	322.1	325.2
47.5°	4129.2	3138.1	823.8	400.3	356.9	302.7	293.4	291.9	282.6	281.8	281.1
50°	4331.3	3181.5	731.7	374.7	339.9	288.8	274.1	264.8	248.5	240.8	241.6
52.5°	4395.5	3010.4	597.7	349.2	312.0	270.2	249.3	234.6	214.5	207.5	206.7
55°	4310.4	2675.1	477.7	318.2	273.3	245.4	222.2	202.9	186.6	178.1	178.1
57.5°	4102.1	2248.5	377.8	281.8	232.3	217.6	194.3	175.0	161.0	152.5	151.0
60°	3756.8	1785.5	298.9	238.5	198.2	187.4	163.4	151.0	138.6	128.5	126.2
62.5°	3232.6	1274.5	234.6	188.9	165.7	153.3	139.4	130.1	115.4	101.4	99.1
65°	2522.6	779.7	181.2	138.6	133.2	127.0	118.5	109.9	92.1	78.2	75.9
67.5°	1591.1	369.3	129.3	104.5	105.3	102.2	98.3	91.4	78.2	65.8	64.3
70°	700.7	178.9	85.2	79.8	78.2	78.2	81.3	79.0	66.6	55.0	52.7
72.5°	238.5	96.0	63.5	60.4	56.5	55.7	68.1	65.8	53.4	42.6	40.3
75°	124.7	64.3	46.5	43.4	34.1	41.0	54.2	51.1	37.9	27.9	25.6
77.5°	81.3	45.7	31.7	27.9	19.4	27.1	40.3	35.6	22.5	13.9	12.4
80°	51.1	30.2	18.6	13.2	9.3	14.7	21.7	15.5	8.5	3.1	2.3
82.5°	27.1	15.5	7.0	4.6	3.9	4.6	5.4	3.9	1.5	0.0	0.0
85°	10.8	5.4	2.3	1.5	0.8	0.0	1.5	0.8	0.0	0.0	0.0
87.5°	3.9	0.8	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)