

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: P942628

Luminaire Tested: **GALN-SB6D-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942628
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-SB6D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA 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: 38596 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 440.1
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

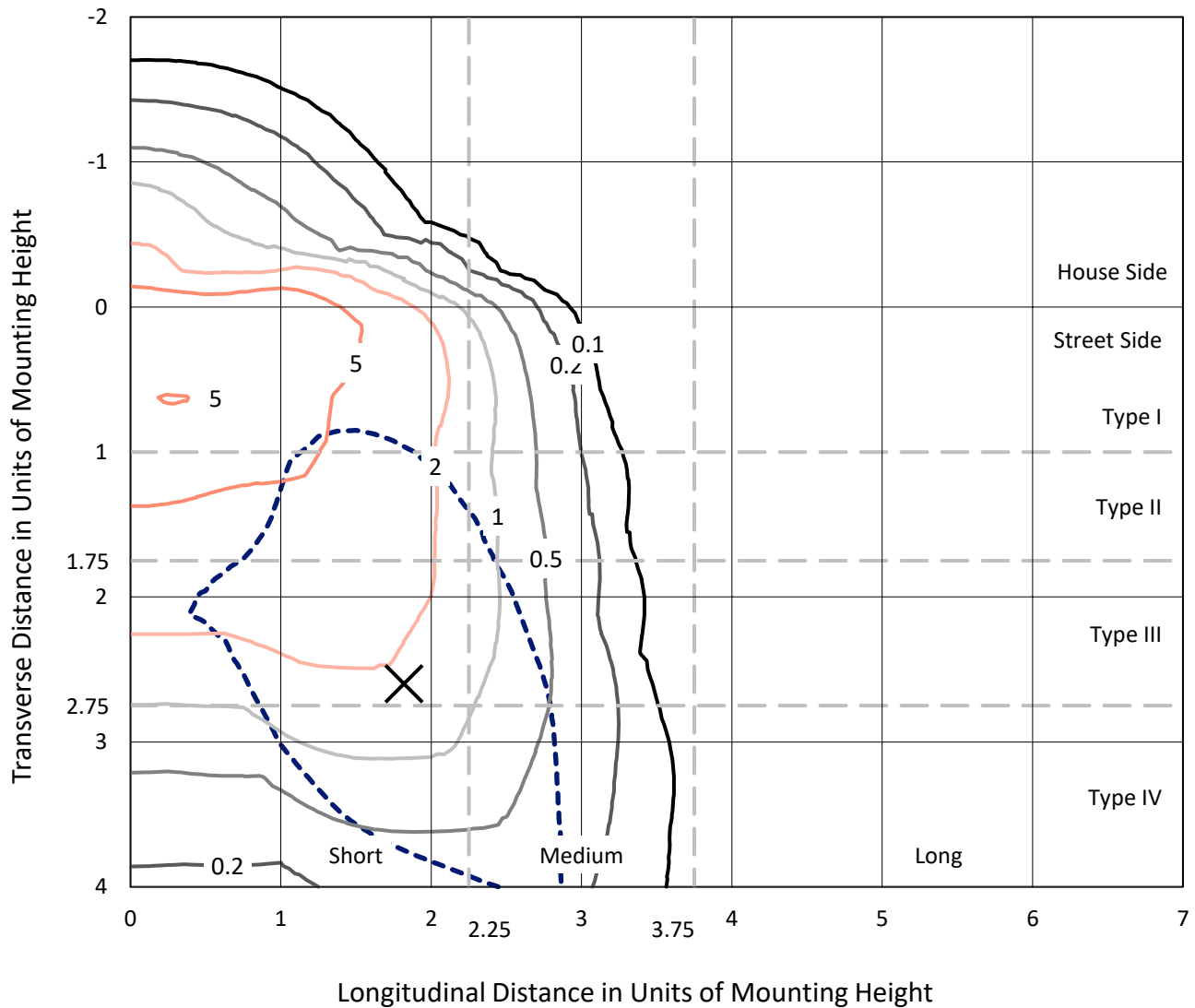


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Iso-Footcandle Lines of Horizontal Illumination

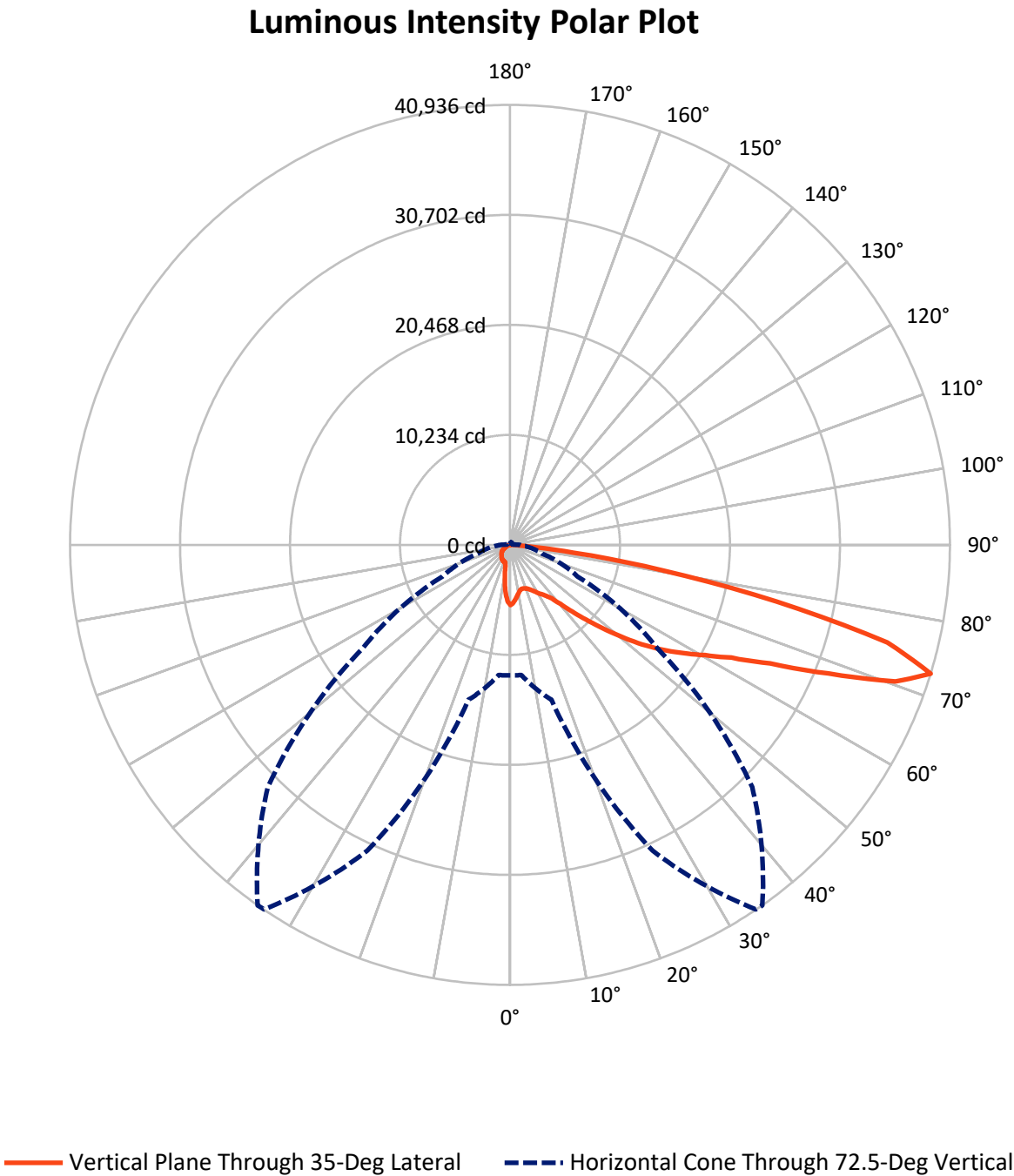
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc

Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4343.8	0.0	4343.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	34252.2	0.0	34252.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	38596.0	0.0	38596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.7	1.2
10°-20°	1075.3	2.8
20°-30°	1746.9	4.5
30°-40°	2914.6	7.6
40°-50°	5514.5	14.3
50°-60°	8762.5	22.7
60°-70°	10839.8	28.1
70°-80°	6738.1	17.5
80°-90°	544.6	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°	38596.0	100.0
0°-180°	38596.0	100.0

Coefficient of Utilization



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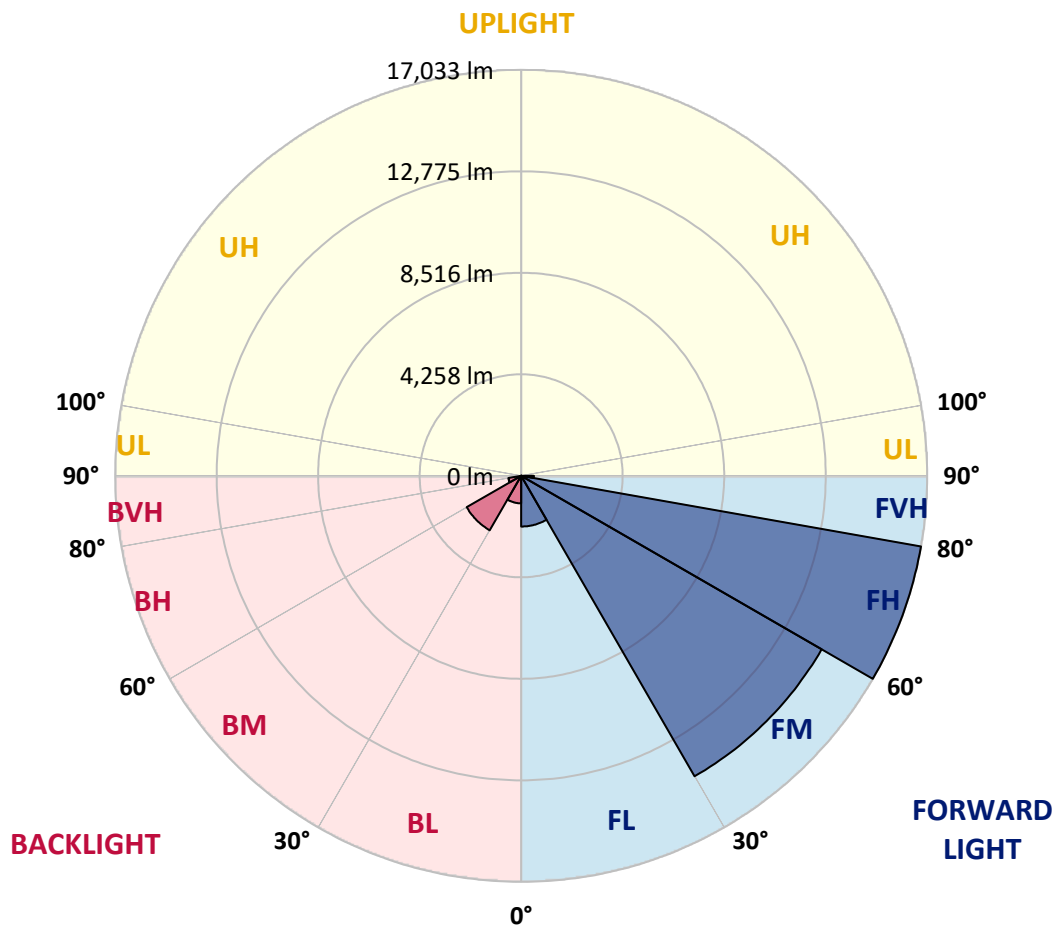
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2127.6	5.5			
FM	(30°-60°)	14554.5	37.7			
FH	(60°-80°)	17032.9	44.1			G5
FVH	(80°-90°)	537.1	1.4			G4/750
BL	(0°-30°)	1154.2	3.0	B3/2500		
BM	(30°-60°)	2637.1	6.8	B3/5000		
BH	(60°-80°)	545.1	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9
2.5°	5345.0	5390.2	5398.7	5412.9	5412.9	5429.8	5458.1	5497.7	5562.7	5596.7	5619.3
5°	4926.4	4960.4	5002.8	5036.7	5101.8	5110.3	5220.6	5328.0	5477.9	5591.0	5670.2
7.5°	4505.1	4544.7	4601.2	4683.2	4768.1	4793.5	4960.4	5141.4	5378.9	5591.0	5723.9
10°	4208.1	4210.9	4261.8	4343.9	4479.6	4510.7	4714.3	4971.7	5268.6	5557.1	5774.8
12.5°	4041.3	4061.1	4083.7	4145.9	4276.0	4295.8	4513.5	4816.1	5158.3	5537.3	5834.2
15°	4041.3	4055.4	4069.5	4100.7	4205.3	4222.3	4414.6	4717.2	5101.8	5545.8	5930.4
17.5°	4083.7	4106.3	4095.0	4131.8	4242.1	4253.4	4423.0	4688.9	5098.9	5599.5	6077.4
20°	4185.5	4202.5	4179.8	4202.5	4312.8	4335.4	4510.7	4742.6	5147.0	5692.8	6261.3
22.5°	4346.7	4355.2	4301.4	4318.4	4431.5	4459.8	4663.4	4895.3	5263.0	5842.7	6507.3
25°	4550.3	4567.3	4485.3	4505.1	4612.5	4646.5	4881.2	5124.4	5446.8	6049.2	6821.2
27.5°	4785.0	4793.5	4722.8	4720.0	4858.6	4906.6	5144.2	5407.2	5692.8	6309.3	7217.1
30°	5053.7	5079.2	5011.3	5000.0	5175.3	5214.9	5449.6	5755.1	6054.8	6699.6	7779.9
32.5°	5265.8	5285.6	5246.0	5274.3	5452.5	5483.6	5820.1	6247.1	6623.3	7253.9	8546.3
35°	5571.2	5582.5	5492.0	5542.9	5746.6	5825.8	6326.3	6937.2	7338.8	7949.6	9547.4
37.5°	6677.0	6677.0	6292.4	6040.7	6235.8	6306.5	7019.2	7805.4	8221.1	8882.9	10808.8
40°	8207.0	8181.5	7618.7	7104.0	7078.6	7217.1	8006.2	8899.8	9360.8	10002.8	12228.4
42.5°	9838.7	9799.1	9032.7	8523.7	8438.9	8486.9	9145.9	10248.8	10718.3	11368.7	13755.6
45°	11286.7	11275.4	10574.0	9889.6	9736.9	9889.6	10568.4	11826.8	12163.4	12847.8	15279.9
47.5°	12499.9	12499.9	11988.0	11541.2	11462.0	11552.5	12494.3	13577.4	13546.3	14423.0	16764.6
50°	13897.0	13885.7	13399.2	13206.9	13288.9	13416.2	14711.4	15421.3	14977.3	15969.9	18090.9
52.5°	14875.5	14943.3	14776.5	14745.4	15163.9	15384.5	16962.6	17225.6	16258.4	17437.7	19083.6
55°	15650.3	15729.5	15921.8	16139.6	16945.6	17234.0	19143.0	18936.5	17330.2	18710.3	19654.8
57.5°	16747.6	16634.5	16931.4	17361.3	18665.0	19012.9	21255.5	20551.3	18192.8	19742.5	19717.1
60°	18079.6	18096.6	18147.5	18690.5	20381.7	20828.5	23336.9	22078.5	18747.0	20376.0	19027.0
62.5°	19680.3	19705.8	19810.4	20644.7	22686.5	23107.9	25554.1	23328.5	19001.6	20197.8	17245.4
65°	19570.0	19677.5	20845.5	23698.9	26190.4	26606.2	28141.8	24205.2	18617.0	18568.9	14041.2
67.5°	17827.9	18003.3	19957.4	27347.1	31473.2	31937.0	31269.6	24377.7	16956.9	14439.9	9160.0
70°	15542.9	15605.1	17955.2	30627.6	37590.2	38059.7	34069.3	22480.1	12867.6	8054.2	4103.5
72.5°	12137.9	12152.1	14909.4	31388.4	40910.4	40935.8	31872.0	16688.2	6920.2	3093.9	1425.3
75°	8670.8	8585.9	9985.8	25455.1	35992.4	36280.9	23894.1	7828.0	2644.2	1462.1	709.8
77.5°	4649.3	4742.6	5650.4	15096.1	24864.1	25356.2	13037.2	2256.8	1346.1	995.5	469.5
80°	1436.6	1515.8	2316.2	6911.7	14083.6	14380.6	4833.1	1004.0	938.9	709.8	308.3
82.5°	452.5	469.5	1080.3	2904.4	5845.5	5981.3	1399.9	568.4	642.0	469.5	181.0
85°	130.1	132.9	480.8	1083.1	1445.1	1473.4	393.1	220.6	367.6	291.3	93.3
87.5°	14.1	45.2	181.0	181.0	127.3	124.4	42.4	48.1	104.6	36.8	17.0
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°	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9	5593.9
2.5°	5605.2	5608.0	5571.2	5509.0	5441.1	5384.6	5313.9	5257.3	5217.7	5206.4	5226.2
5°	5644.8	5625.0	5520.3	5330.8	5104.6	4909.5	4691.7	4519.2	4406.1	4358.0	4375.0
7.5°	5704.1	5647.6	5418.5	5045.2	4612.5	4227.9	3837.6	3535.0	3342.7	3246.6	3260.7
10°	5755.1	5641.9	5248.8	4632.3	3970.6	3388.0	2862.0	2497.2	2293.5	2197.4	2200.2
12.5°	5803.1	5639.1	5028.2	4143.1	3246.6	2533.9	2044.7	1863.7	1807.1	1787.3	1781.7
15°	5893.6	5647.6	4751.1	3583.1	2525.4	1914.6	1736.4	1733.6	1744.9	1739.2	1736.4
17.5°	6018.1	5656.1	4437.2	2989.2	1948.5	1688.3	1679.9	1705.3	1722.3	1713.8	1711.0
20°	6179.3	5690.0	4103.5	2401.0	1674.2	1631.8	1651.6	1674.2	1688.3	1674.2	1671.4
22.5°	6405.5	5749.4	3738.7	1928.7	1586.5	1597.8	1614.8	1640.3	1654.4	1634.6	1631.8
25°	6682.6	5842.7	3379.5	1677.0	1544.1	1558.2	1583.7	1612.0	1628.9	1609.2	1606.3
27.5°	7041.8	5992.6	3048.6	1620.5	1501.7	1510.2	1546.9	1589.4	1612.0	1586.5	1586.5
30°	7562.2	6238.6	2763.0	1645.9	1476.2	1456.4	1507.3	1566.7	1592.2	1569.6	1566.7
32.5°	8252.2	6586.5	2587.7	1685.5	1464.9	1394.2	1442.3	1518.7	1561.1	1546.9	1546.9
35°	9157.2	7115.3	2519.8	1730.8	1456.4	1329.2	1363.1	1445.1	1518.7	1532.8	1532.8
37.5°	10254.5	7850.6	2539.6	1750.6	1431.0	1275.4	1292.4	1363.1	1459.3	1504.5	1515.8
40°	11501.6	8707.5	2652.7	1730.8	1402.7	1230.2	1233.0	1286.8	1371.6	1439.5	1462.1
42.5°	12788.4	9708.6	2862.0	1657.2	1377.3	1190.6	1182.1	1218.9	1275.4	1323.5	1343.3
45°	14012.9	10738.1	3068.4	1555.4	1346.1	1151.0	1131.2	1145.4	1156.7	1176.5	1187.8
47.5°	15081.9	11462.0	3009.0	1462.1	1303.7	1105.8	1071.8	1066.2	1032.2	1029.4	1026.6
50°	15820.0	11620.4	2672.5	1368.8	1241.5	1054.9	1001.1	967.2	907.8	879.5	882.3
52.5°	16054.8	10995.4	2183.2	1275.4	1139.7	987.0	910.6	856.9	783.4	757.9	755.1
55°	15743.7	9770.9	1744.9	1162.3	998.3	896.5	811.6	740.9	681.6	650.4	650.4
57.5°	14982.9	8212.6	1380.1	1029.4	848.4	794.7	709.8	639.1	588.2	557.1	551.5
60°	13721.6	6521.5	1091.6	871.0	724.0	684.4	596.7	551.5	506.2	469.5	461.0
62.5°	11807.0	4654.9	856.9	690.0	605.2	560.0	509.0	475.1	421.4	370.5	362.0
65°	9213.7	2847.8	661.8	506.2	486.4	463.8	432.7	401.6	336.5	285.6	277.1
67.5°	5811.6	1349.0	472.3	381.8	384.6	373.3	359.2	333.7	285.6	240.4	234.7
70°	2559.4	653.3	311.1	291.3	285.6	285.6	296.9	288.5	243.2	200.8	192.3
72.5°	871.0	350.7	231.9	220.6	206.4	203.6	248.9	240.4	195.1	155.5	147.1
75°	455.3	234.7	169.7	158.4	124.4	149.9	198.0	186.7	138.6	101.8	93.3
77.5°	296.9	166.9	115.9	101.8	70.7	99.0	147.1	130.1	82.0	50.9	45.2
80°	186.7	110.3	67.9	48.1	33.9	53.7	79.2	56.6	31.1	11.3	8.5
82.5°	99.0	56.6	25.5	17.0	14.1	17.0	19.8	14.1	5.7	0.0	0.0
85°	39.6	19.8	8.5	5.7	2.8	0.0	5.7	2.8	0.0	0.0	0.0
87.5°	14.1	2.8	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)