

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: P953054

Luminaire Tested: **GALN-SB6D-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
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-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43161 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

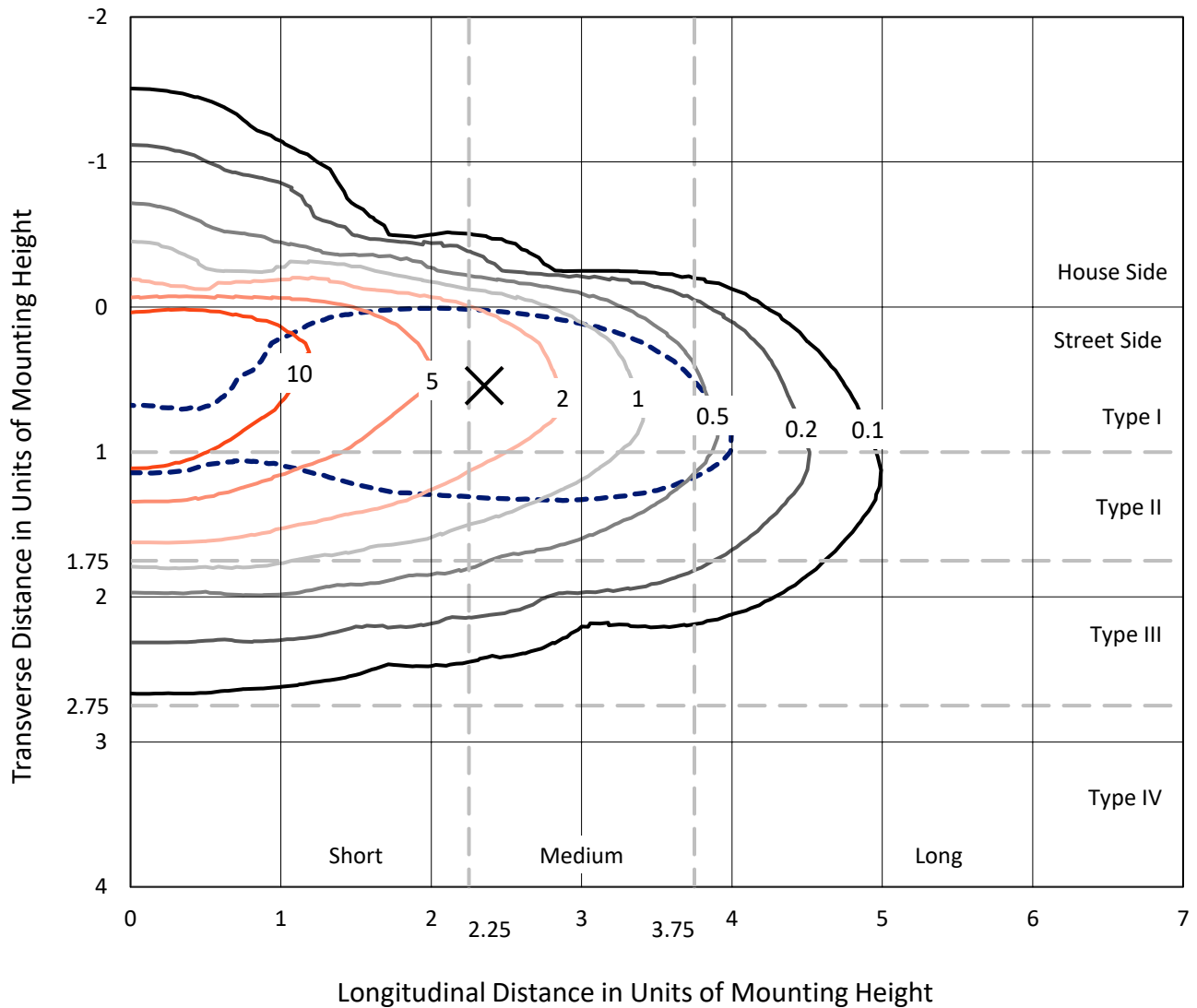
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953054
 CATALOG NUMBER: GALN-SB6D-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

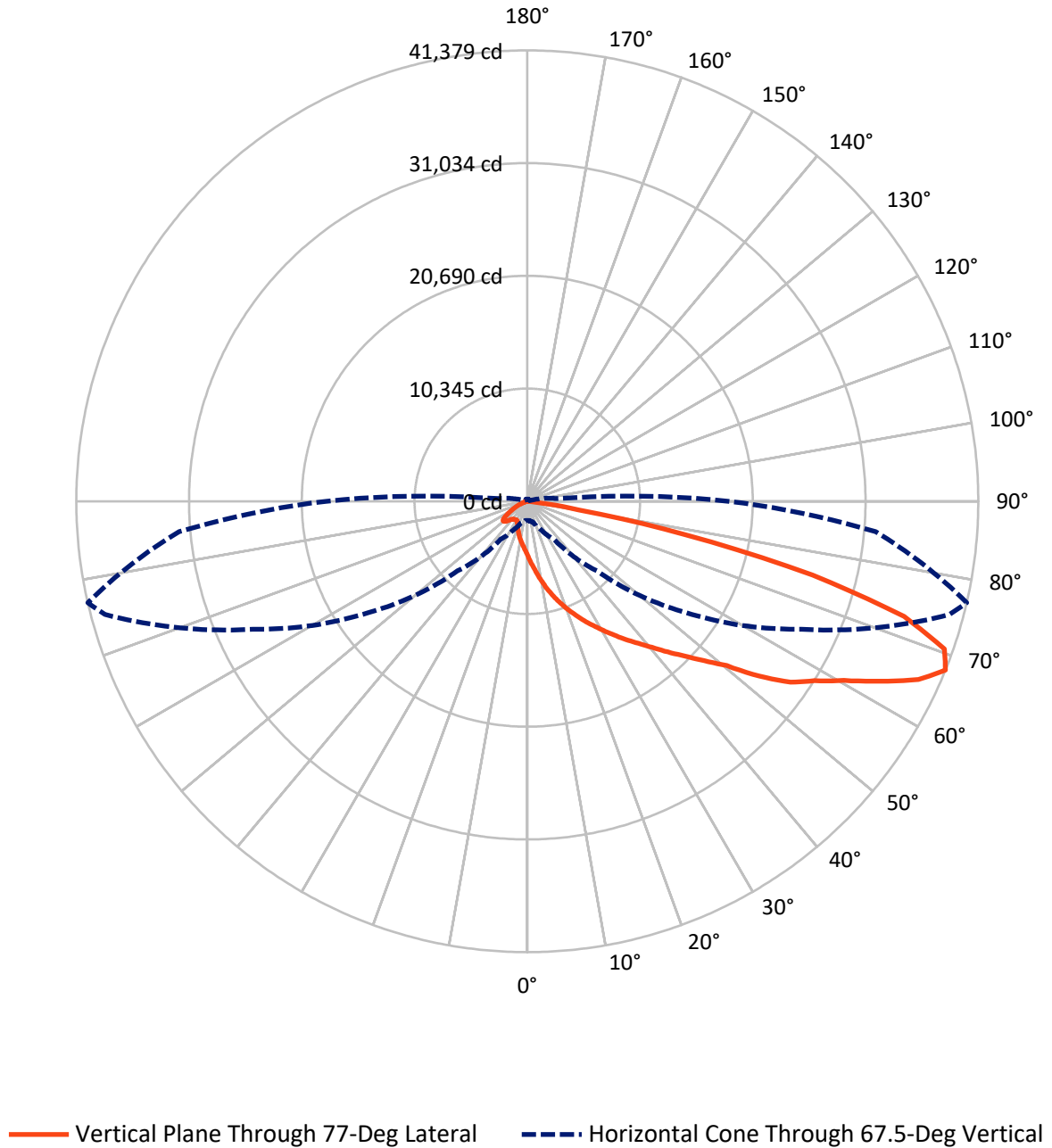
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P953054
CATALOG NUMBER: GALN-SB6D-722-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953054
 CATALOG NUMBER: GALN-SB6D-722-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3175.4	0.0	3175.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	39985.6	0.0	39985.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	43161.0	0.0	43161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.0	1.2
10°-20°	1778.9	4.1
20°-30°	3432.9	8.0
30°-40°	5959.6	13.8
40°-50°	8653.1	20.0
50°-60°	9937.0	23.0
60°-70°	8627.1	20.0
70°-80°	4063.5	9.4
80°-90°	201.0	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°	43161.0	100.0
0°-180°	43161.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953054

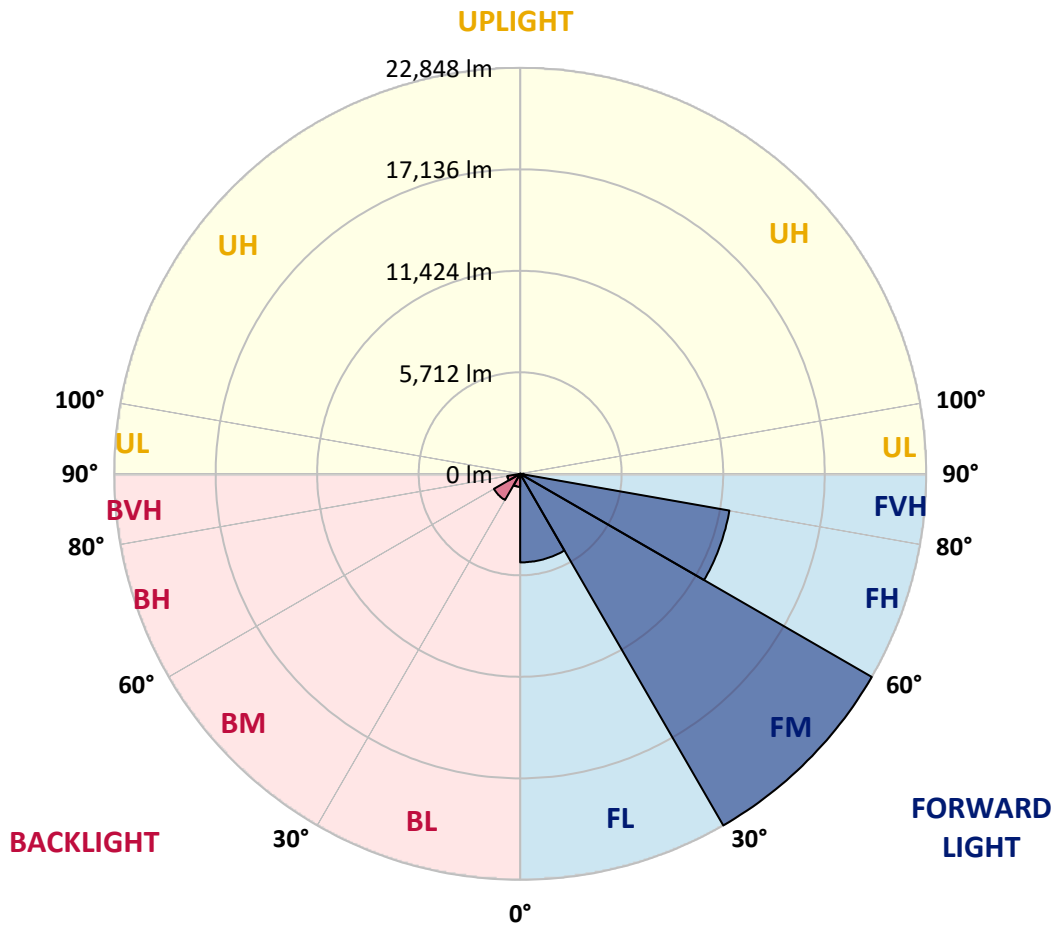
CATALOG NUMBER: GALN-SB6D-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4984.6	11.5			
FM (30°-60°)	22848.3	52.9			
FH (60°-80°)	11955.5	27.7			G4/12000
FVH (80°-90°)	197.3	0.5			G2/225
BL (0°-30°)	735.1	1.7	B2/1000		
BM (30°-60°)	1701.4	3.9	B2/2500		
BH (60°-80°)	735.1	1.7	B2/1000		G2/1000
BVH (80°-90°)	3.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



REPORT NUMBER: P953054
 CATALOG NUMBER: GALN-SB6D-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1
2.5°	6890.7	6933.6	6872.0	6754.1	6577.2	6461.9	6180.5	5915.2	5620.3	5526.5	5231.7
5°	8399.7	8437.2	8367.5	8238.9	8003.0	7777.9	7408.0	6853.2	6277.0	6092.1	5569.4
7.5°	9517.3	9538.8	9512.0	9394.0	9168.9	8914.3	8501.5	7844.9	6989.9	6786.2	5984.8
10°	10321.4	10391.1	10383.0	10337.5	10187.4	9981.0	9541.4	8793.7	7788.6	7526.0	6453.9
12.5°	10854.7	10932.5	10978.0	11079.9	11071.8	10940.5	10554.6	9763.9	8584.6	8276.4	6981.9
15°	11010.2	11093.3	11267.5	11503.3	11712.4	11779.4	11508.7	10715.4	9461.0	9067.1	7523.3
17.5°	10921.7	11050.4	11259.4	11632.0	12090.3	12393.2	12363.7	11634.7	10257.1	9806.8	8053.9
20°	11117.4	11240.7	11404.2	11717.8	12251.1	12800.5	13020.3	12513.8	11047.7	10576.0	8611.4
22.5°	12200.2	12178.7	12194.8	12245.8	12564.7	13108.8	13561.7	13312.5	11830.3	11347.9	9201.1
25°	13915.5	13819.0	13655.5	13379.5	13299.1	13561.7	14033.4	14020.0	12655.8	12138.5	9804.1
27.5°	15882.8	15866.7	15483.4	14818.7	14443.5	14341.7	14566.8	14708.8	13473.3	12921.2	10409.8
30°	17766.9	17809.8	17292.5	16552.8	15864.0	15464.6	15261.0	15362.8	14304.1	13765.4	11034.3
32.5°	19407.2	19452.8	18889.9	18024.2	17171.9	16689.5	16260.7	16008.7	15210.0	14623.1	11720.4
35°	20792.9	20838.4	20192.5	19235.7	18327.1	17890.2	17405.1	16716.3	16121.3	15574.5	12484.3
37.5°	22031.1	22017.7	21152.0	20187.1	19294.6	18948.9	18694.3	17587.4	17059.4	16531.4	13331.2
40°	22762.8	22819.1	22079.3	21015.3	20149.6	19897.7	19881.6	18667.5	18142.2	17630.2	14258.6
42.5°	22977.2	23076.4	22540.3	21666.6	20881.3	20607.9	21028.7	19836.0	19401.8	18903.3	15306.5
45°	22591.3	22687.7	22443.8	21838.1	21379.8	21202.9	22015.0	21047.5	20747.3	20254.1	16488.5
47.5°	21465.6	21586.2	21645.1	21516.5	21511.1	21690.7	22899.5	22323.2	22344.7	21840.8	17858.1
50°	19286.6	19490.3	20031.7	20487.3	21192.2	22076.7	23759.8	23706.2	24145.8	23711.6	19643.1
52.5°	15325.3	15614.7	17480.1	18726.4	20310.4	22004.3	24705.9	25925.4	27305.7	26670.5	22159.7
55°	12315.4	12315.4	13832.4	16164.2	18589.7	21527.2	25118.7	27367.3	29457.9	29307.8	23931.3
57.5°	10040.0	10160.6	11128.1	13189.2	16099.9	20390.8	25373.3	28273.2	31192.0	31082.1	25662.7
60°	6196.6	6456.6	8284.4	10318.7	13266.9	18367.3	25212.5	29189.9	33295.9	33384.3	27747.9
62.5°	3489.6	3586.1	4400.9	7424.1	10316.0	15646.9	23982.3	29701.8	35986.8	36362.0	29897.4
65°	2409.5	2457.7	2771.3	4620.6	7150.7	12457.5	21578.1	29382.8	38683.1	39441.6	31720.0
67.5°	1750.2	1774.3	1969.9	2822.2	4242.7	9032.2	17809.8	27774.7	40111.6	41379.3	32068.4
70°	1345.5	1361.5	1503.6	1854.7	2506.0	5574.8	12934.6	24577.3	39077.1	40591.4	30283.4
72.5°	1093.5	1109.6	1219.5	1372.3	1661.7	3296.6	7839.5	19959.3	34510.0	36144.9	25780.7
75°	922.0	943.4	1042.6	1141.8	1302.6	2117.3	3677.2	13899.4	25952.2	27024.3	17927.7
77.5°	511.9	471.7	846.9	946.1	1098.9	1340.1	1720.7	8179.9	14534.6	14832.1	7954.8
80°	318.9	329.7	672.7	761.2	844.3	675.4	788.0	3149.2	5038.7	4786.8	1541.1
82.5°	18.8	42.9	517.3	549.4	578.9	289.5	297.5	1069.4	1214.1	1115.0	273.4
85°	0.0	0.0	235.9	190.3	201.0	83.1	85.8	249.3	163.5	176.9	53.6
87.5°	0.0	0.0	0.0	5.4	0.0	8.0	16.1	21.4	8.0	10.7	18.8
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: P953054
 CATALOG NUMBER: GALN-SB6D-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1	4977.1
2.5°	5044.1	4856.5	4475.9	4103.4	3800.5	3519.1	3318.1	3127.8	3031.3	3025.9	3020.6
5°	5196.9	4802.9	4041.7	3369.0	2827.6	2393.4	2112.0	1911.0	1809.1	1774.3	1768.9
7.5°	5411.3	4819.0	3661.1	2725.7	2087.9	1715.3	1554.5	1490.2	1468.7	1444.6	1439.3
10°	5682.0	4856.5	3320.7	2195.1	1645.6	1458.0	1393.7	1366.9	1350.8	1334.7	1329.4
12.5°	5984.8	4891.3	2983.0	1822.5	1447.3	1350.8	1305.2	1273.1	1251.6	1232.9	1227.5
15°	6279.7	4912.8	2631.9	1562.5	1345.5	1267.7	1219.5	1184.6	1155.2	1133.7	1131.0
17.5°	6571.8	4942.3	2302.3	1407.1	1262.4	1184.6	1136.4	1093.5	1069.4	1045.3	1042.6
20°	6896.1	4936.9	1991.4	1297.2	1179.3	1101.6	1050.6	1010.4	986.3	959.5	956.8
22.5°	7196.3	4910.1	1718.0	1203.4	1093.5	1018.5	962.2	922.0	897.9	876.4	873.7
25°	7542.0	4888.7	1490.2	1117.6	1013.1	938.1	876.4	838.9	812.1	793.3	790.7
27.5°	7874.4	4856.5	1324.0	1039.9	935.4	863.0	804.1	761.2	737.1	723.6	723.6
30°	8201.4	4848.4	1262.4	964.9	865.7	793.3	734.4	694.2	675.4	670.0	667.4
32.5°	8595.3	4869.9	1289.2	938.1	801.4	729.0	672.7	643.2	624.5	624.5	624.5
35°	9016.1	4864.5	1329.4	962.2	758.5	664.7	621.8	603.0	584.3	584.3	584.3
37.5°	9544.1	4872.6	1361.5	1002.4	742.4	611.1	587.0	562.8	552.1	552.1	552.1
40°	10332.1	5137.9	1345.5	1037.2	737.1	573.6	525.3	517.3	509.2	509.2	509.2
42.5°	11297.0	5714.1	1366.9	1039.9	734.4	546.8	482.4	498.5	479.8	477.1	474.4
45°	12353.0	6344.0	1503.6	983.6	731.7	533.4	461.0	479.8	450.3	450.3	450.3
47.5°	13400.9	6968.5	1643.0	903.2	723.6	530.7	442.2	431.5	423.5	426.1	426.1
50°	14845.5	7477.7	1696.6	793.3	704.9	525.3	407.4	410.1	404.7	410.1	410.1
52.5°	16418.8	7584.9	1632.2	670.0	651.3	509.2	383.3	394.0	391.3	396.7	396.7
55°	17399.7	7469.7	1348.1	557.5	568.2	444.9	359.1	380.6	380.6	380.6	380.6
57.5°	18412.8	6979.2	956.8	453.0	471.7	364.5	337.7	367.2	364.5	361.8	361.8
60°	19141.9	6185.9	629.8	372.5	375.2	300.2	313.6	345.7	343.1	329.7	329.7
62.5°	19685.9	5309.4	404.7	316.3	286.8	270.7	286.8	313.6	302.9	273.4	268.0
65°	19624.3	4095.3	310.9	270.7	235.9	235.9	249.3	273.4	241.2	193.0	187.6
67.5°	18479.9	2771.3	257.3	227.8	198.3	195.7	206.4	227.8	206.4	163.5	158.1
70°	16434.9	1811.8	206.4	176.9	158.1	144.7	166.2	195.7	174.2	131.3	126.0
72.5°	13339.3	1104.2	155.5	128.6	115.2	93.8	131.3	160.8	139.4	96.5	91.1
75°	8630.2	562.8	107.2	83.1	61.6	56.3	96.5	120.6	96.5	59.0	50.9
77.5°	3302.0	235.9	59.0	37.5	32.2	26.8	53.6	72.4	40.2	13.4	10.7
80°	635.2	99.2	29.5	18.8	16.1	10.7	8.0	5.4	0.0	0.0	0.0
82.5°	109.9	32.2	10.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	37.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.4	0.0	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)