

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: P955198

Luminaire Tested: **GALN-SB8B-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955198
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-SB8B-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA 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: 28747 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

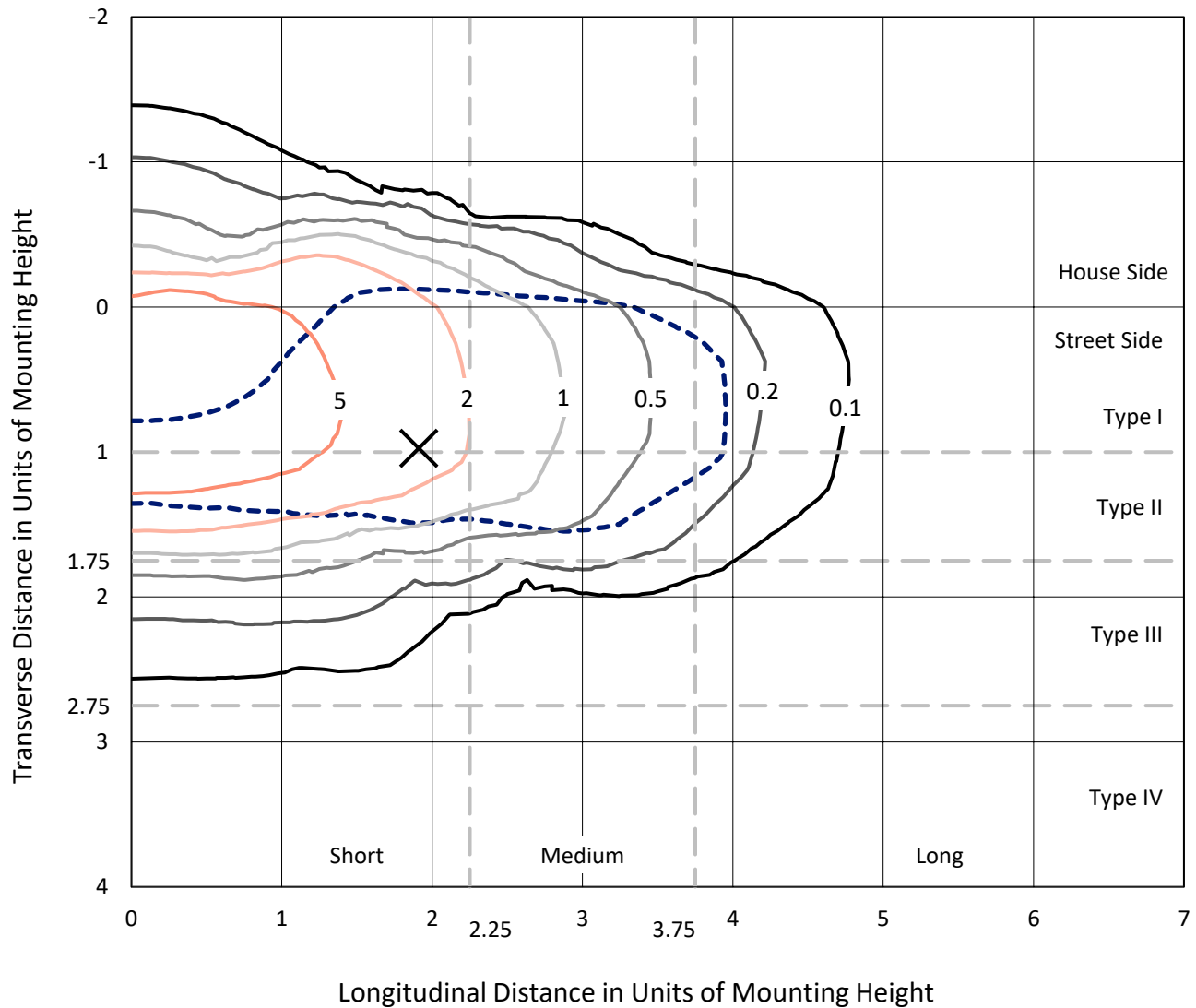
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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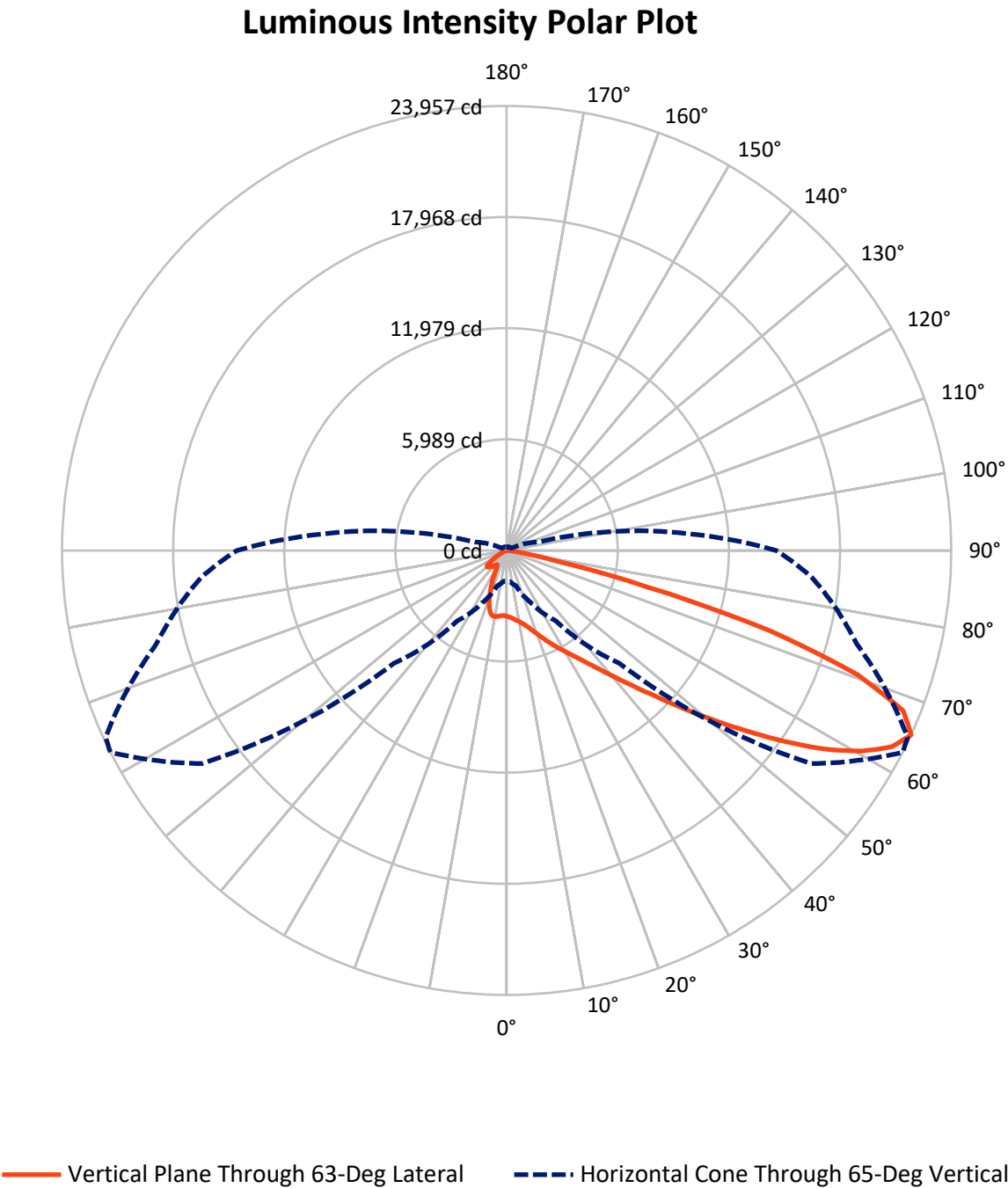
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4225.6	0.0	4225.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	24521.4	0.0	24521.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	28747.0	0.0	28747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.3	1.2
10°-20°	927.5	3.2
20°-30°	1615.0	5.6
30°-40°	2910.9	10.1
40°-50°	5773.3	20.1
50°-60°	7864.2	27.4
60°-70°	6277.1	21.8
70°-80°	2840.5	9.9
80°-90°	204.2	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°	28747.0	100.0
0°-180°	28747.0	100.0

Coefficient of Utilization



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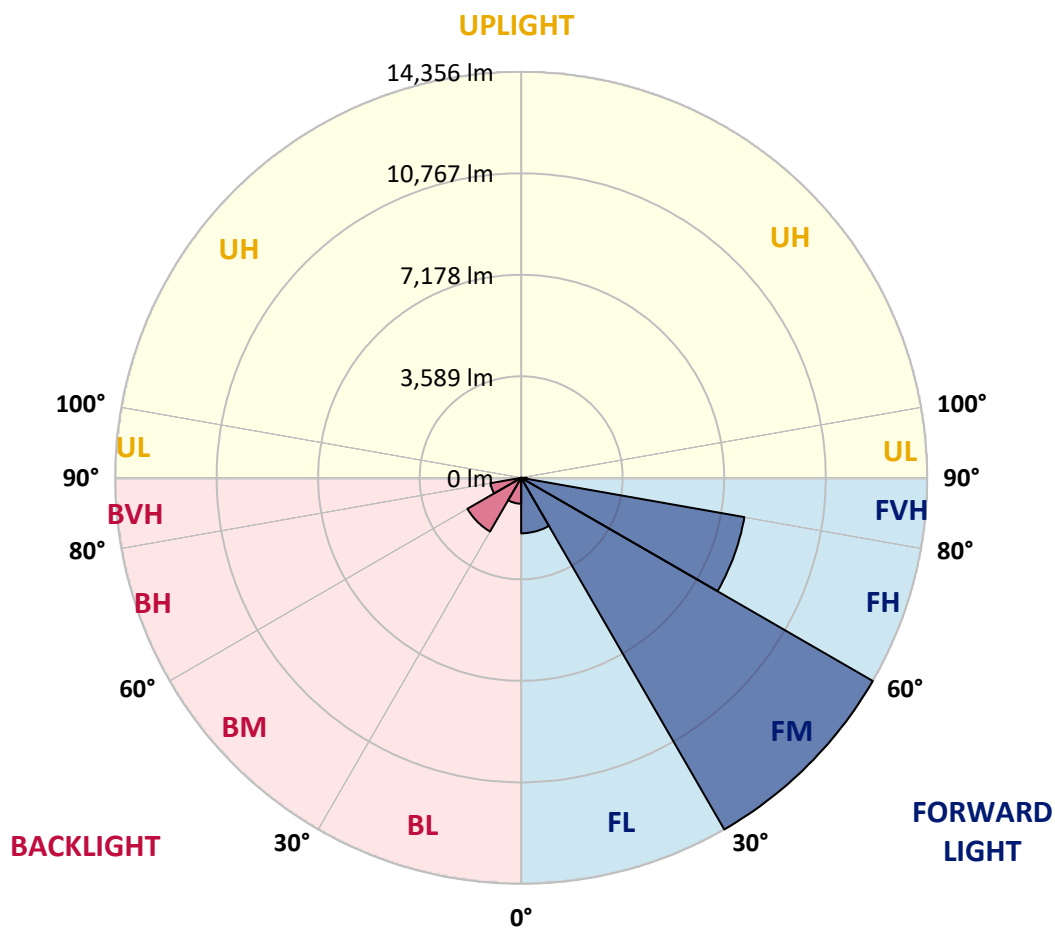
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1962.3	6.8			
FM	(30°-60°)	14355.5	49.9			
FH	(60°-80°)	8014.5	27.9			G4/12000
FVH	(80°-90°)	189.0	0.7			G2/225
BL	(0°-30°)	914.5	3.2	B2/1000		
BM	(30°-60°)	2192.8	7.6	B2/2500		
BH	(60°-80°)	1103.1	3.8	B3/2500		G3/2500
BVH	(80°-90°)	15.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9
2.5°	3631.0	3621.1	3634.9	3629.0	3625.1	3617.1	3613.2	3609.2	3601.3	3595.4	3571.7
5°	3640.9	3634.9	3648.8	3660.6	3672.5	3684.4	3690.3	3698.2	3690.3	3674.5	3650.8
7.5°	3557.8	3553.9	3583.5	3619.1	3672.5	3718.0	3767.4	3795.1	3797.1	3791.2	3765.5
10°	3551.9	3542.0	3571.7	3615.2	3684.4	3765.5	3852.5	3911.8	3919.7	3945.4	3917.7
12.5°	3644.8	3634.9	3676.5	3723.9	3795.1	3880.2	3987.0	4070.0	4081.9	4117.5	4097.7
15°	3801.1	3787.2	3834.7	3896.0	3987.0	4083.9	4196.6	4271.7	4281.6	4325.1	4289.5
17.5°	3983.0	3969.2	4024.5	4089.8	4188.7	4321.2	4451.7	4534.8	4546.6	4574.3	4509.1
20°	4216.4	4198.6	4242.1	4301.4	4406.2	4564.4	4720.7	4839.3	4837.4	4837.4	4730.6
22.5°	4487.3	4459.6	4497.2	4544.7	4643.5	4835.4	5043.0	5183.4	5183.4	5128.1	4952.1
25°	4778.0	4750.3	4791.9	4835.4	4922.4	5139.9	5383.2	5557.2	5565.1	5470.2	5189.4
27.5°	5141.9	5106.3	5138.0	5189.4	5240.8	5462.3	5751.0	5952.8	5956.7	5810.4	5414.8
30°	5842.0	5741.1	5642.3	5586.9	5610.6	5830.1	6138.7	6362.1	6381.9	6180.2	5660.1
32.5°	7123.5	7103.8	6755.7	6300.8	6063.5	6225.7	6571.8	6840.7	6852.6	6593.5	5978.5
35°	9115.0	9091.3	8531.6	7665.4	6892.1	6755.7	7097.8	7416.2	7408.3	7115.6	6391.8
37.5°	11492.2	11470.4	10732.8	9573.9	8322.0	7556.6	7776.2	8110.4	8159.8	7776.2	6925.8
40°	13523.2	13442.2	12975.4	11858.1	10220.5	8885.6	8741.3	8962.8	9014.2	8559.3	7604.1
42.5°	15061.9	14992.6	14755.3	14057.2	12518.6	10851.4	9878.4	9963.5	10020.8	9475.0	8383.3
45°	15858.9	15843.0	15938.0	15872.7	14860.1	13264.2	11504.1	11150.0	11171.8	10489.5	9267.3
47.5°	15971.6	15963.7	16396.8	17009.9	16873.4	15985.4	13590.5	12629.3	12552.2	11634.6	10228.5
50°	15307.1	15291.3	16121.9	17270.9	18218.2	18271.6	15959.7	14296.5	14126.4	12819.2	11231.1
52.5°	13185.1	13181.1	14545.7	16458.1	18690.9	20273.0	18301.3	16127.8	15843.0	14073.0	12291.2
55°	10145.4	10218.6	11782.9	14043.4	17828.6	21236.1	20403.5	18160.9	17723.8	15334.8	13268.1
57.5°	7186.8	7293.6	8840.1	10853.4	15154.8	20666.6	21825.5	20197.8	19727.2	16592.6	14258.9
60°	3860.4	3955.3	5503.8	7906.7	11274.6	18542.5	22575.0	21965.9	21520.9	17787.1	15152.8
62.5°	2300.0	2331.7	2972.4	5104.3	7625.9	14166.0	22256.6	23312.7	22946.8	18789.8	15930.1
65°	1651.3	1657.3	1979.6	3116.8	4629.7	8606.8	20023.8	23957.4	23844.7	19545.2	16505.6
67.5°	1390.3	1386.3	1520.8	2070.6	3154.4	4311.3	15346.6	23045.7	23524.3	20023.8	16831.9
70°	1192.5	1198.5	1356.7	1516.9	2371.2	2440.4	7629.8	20065.3	21085.8	20150.4	16812.1
72.5°	888.0	907.7	1054.1	1382.4	1789.8	1679.0	2634.2	14877.9	16723.1	18985.5	15939.9
75°	626.9	636.8	741.6	1162.9	1334.9	1222.2	1344.8	7691.1	10056.4	14555.6	13046.6
77.5°	482.5	500.3	561.7	812.8	1315.1	858.3	822.7	2661.9	4089.8	8792.7	8945.0
80°	261.1	292.7	405.4	587.4	923.6	607.1	407.4	1060.0	1386.3	4111.6	3449.0
82.5°	134.5	150.3	282.8	423.2	526.1	530.0	201.7	441.0	571.5	1269.7	472.7
85°	53.4	65.3	189.9	233.4	270.9	261.1	91.0	178.0	205.7	352.0	144.4
87.5°	11.9	19.8	69.2	53.4	51.4	55.4	21.8	41.5	39.6	41.5	25.7
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°	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9	3547.9
2.5°	3569.7	3561.8	3540.0	3516.3	3488.6	3472.8	3462.9	3460.9	3447.1	3437.2	3447.1
5°	3629.0	3621.1	3579.6	3530.1	3476.7	3435.2	3395.6	3360.0	3308.6	3298.7	3294.8
7.5°	3747.7	3725.9	3658.7	3591.4	3490.6	3369.9	3223.6	3055.5	2905.2	2859.7	2837.9
10°	3894.0	3864.3	3779.3	3660.6	3437.2	3108.9	2754.9	2426.6	2165.5	2092.4	2064.7
12.5°	4060.1	4034.4	3921.7	3702.2	3213.7	2618.4	2076.5	1669.1	1416.0	1352.7	1334.9
15°	4257.9	4220.3	4064.1	3638.9	2814.2	1989.5	1425.9	1184.6	1093.6	1081.8	1069.9
17.5°	4467.5	4406.2	4190.7	3411.5	2276.3	1414.0	1101.6	1032.3	992.8	980.9	975.0
20°	4659.4	4580.3	4265.8	3067.4	1700.8	1101.6	986.9	941.4	905.8	891.9	884.0
22.5°	4851.2	4738.5	4265.8	2598.6	1275.6	977.0	905.8	864.2	822.7	804.9	795.0
25°	5050.9	4900.6	4190.7	2076.5	1026.4	895.9	828.6	783.2	747.6	725.8	717.9
27.5°	5244.8	5037.1	4018.6	1582.1	913.7	824.7	757.4	713.9	680.3	664.5	664.5
30°	5428.7	5171.6	3777.3	1200.4	840.5	755.5	692.2	654.6	621.0	605.2	607.1
32.5°	5677.9	5341.7	3520.2	984.9	777.2	690.2	632.9	597.3	567.6	555.7	555.7
35°	6024.0	5592.8	3298.7	967.1	723.8	636.8	579.5	545.8	516.2	506.3	506.3
37.5°	6514.4	5998.2	3182.1	1085.7	680.3	589.3	535.9	500.3	472.7	464.8	462.8
40°	7119.6	6548.0	3245.3	1204.4	650.7	547.8	496.4	460.8	437.1	427.2	425.2
42.5°	7837.5	7226.4	3595.4	1295.4	630.9	512.2	458.8	419.3	403.4	399.5	399.5
45°	8662.2	7971.9	4131.3	1392.3	599.2	478.6	421.2	391.6	379.7	377.7	375.8
47.5°	9599.6	8790.7	4752.3	1512.9	567.6	447.0	391.6	371.8	361.9	358.0	358.0
50°	10529.1	9615.4	5391.1	1580.2	541.9	417.3	367.8	352.0	344.1	342.1	342.1
52.5°	11502.1	10463.8	5907.3	1516.9	520.1	393.6	348.1	336.2	328.3	326.3	326.3
55°	12429.6	11150.0	5996.3	1287.5	476.6	369.8	326.3	320.4	310.5	310.5	308.5
57.5°	13228.6	11494.2	5367.4	945.3	433.1	334.2	304.6	298.6	290.7	288.7	286.8
60°	13962.3	11395.3	4143.2	636.8	385.6	298.6	276.9	272.9	265.0	255.1	253.1
62.5°	14375.6	10960.2	2834.0	415.3	338.2	261.1	245.2	243.3	225.5	205.7	201.7
65°	14531.8	10066.3	1768.0	302.6	282.8	223.5	211.6	207.7	181.9	160.2	158.2
67.5°	14395.4	8594.9	891.9	239.3	223.5	185.9	174.0	174.0	156.2	136.5	134.5
70°	13849.6	6443.2	375.8	191.8	172.1	142.4	142.4	150.3	132.5	110.7	108.8
72.5°	12664.9	4335.0	199.7	146.3	128.5	100.9	116.7	122.6	104.8	83.1	83.1
75°	10068.3	2644.1	138.4	108.8	81.1	71.2	89.0	93.0	71.2	55.4	53.4
77.5°	6886.2	1518.8	93.0	69.2	51.4	41.5	61.3	57.4	37.6	25.7	27.7
80°	3023.8	632.9	53.4	31.6	19.8	15.8	21.8	15.8	11.9	7.9	7.9
82.5°	354.0	148.3	19.8	11.9	7.9	4.0	2.0	0.0	0.0	0.0	0.0
85°	73.2	17.8	9.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.8	4.0	2.0	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)