

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: P942456

Luminaire Tested: **GALN-SB6C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29423 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 300.9
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

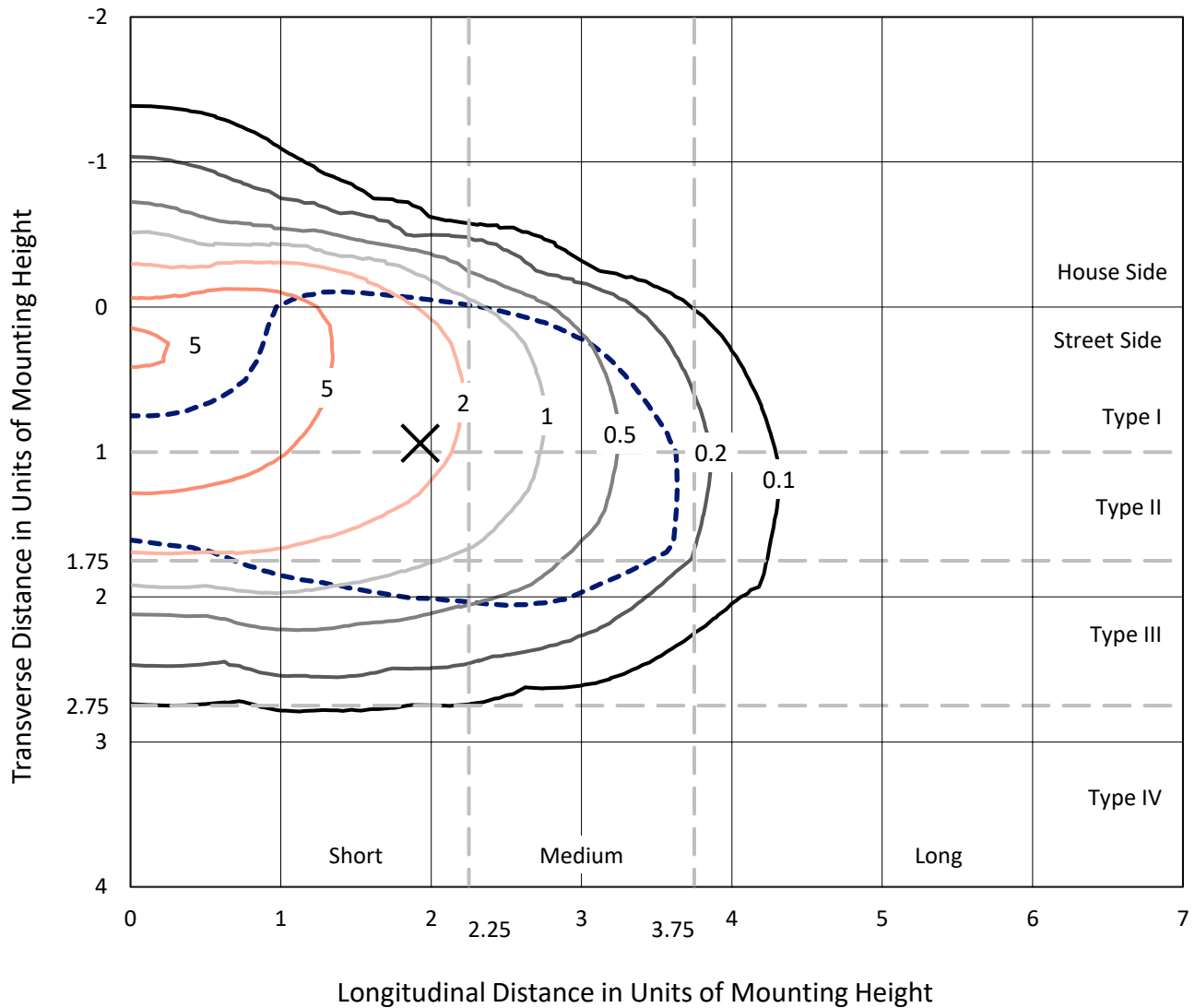


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

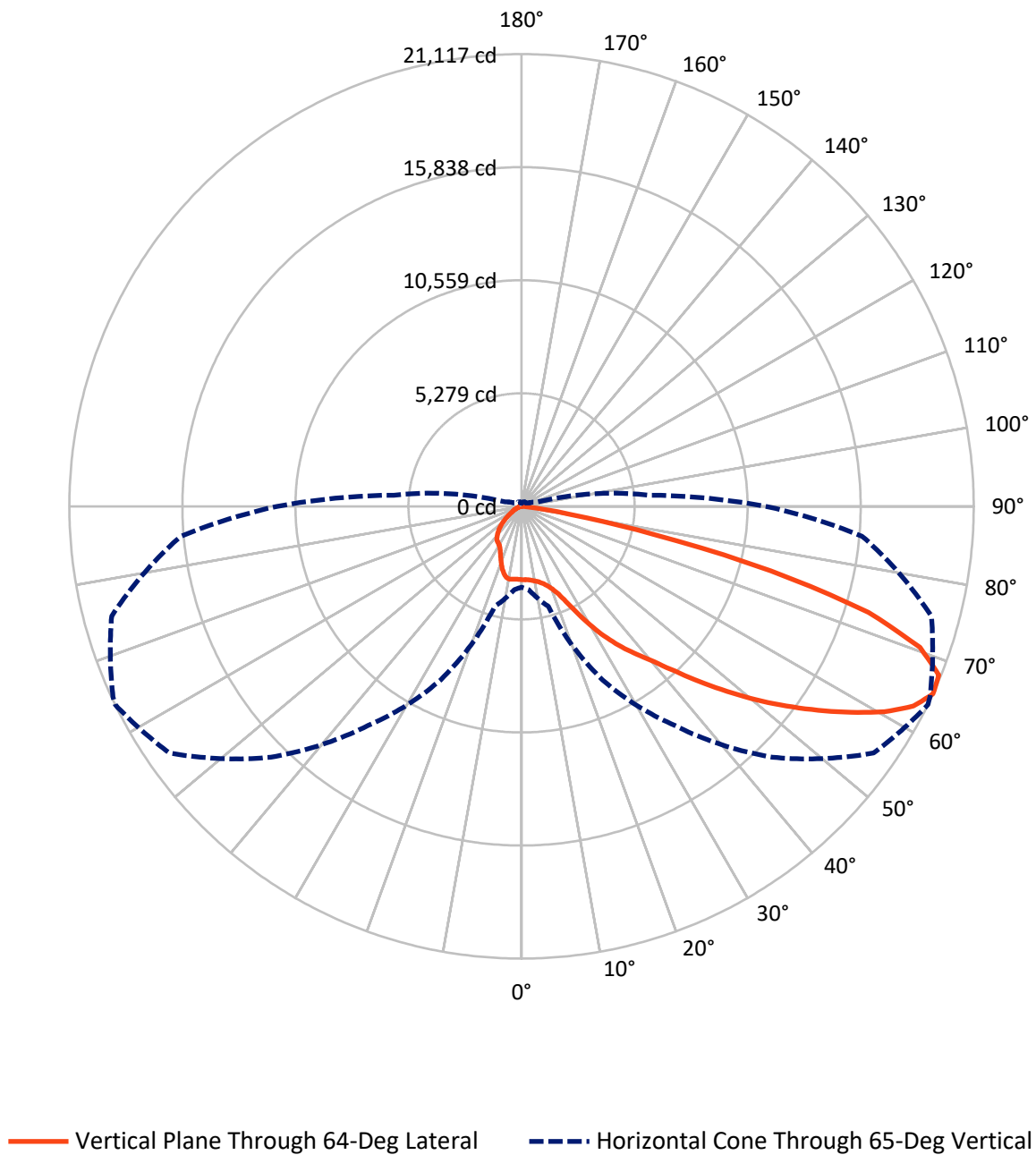


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3934.8	0.0	3934.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	25488.2	0.0	25488.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	29423.0	0.0	29423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.7	1.1
10°-20°	856.4	2.9
20°-30°	1622.7	5.5
30°-40°	3283.6	11.2
40°-50°	5593.7	19.0
50°-60°	7607.0	25.9
60°-70°	7143.3	24.3
70°-80°	2861.9	9.7
80°-90°	138.6	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°	29423.0	100.0
0°-180°	29423.0	100.0

Coefficient of Utilization



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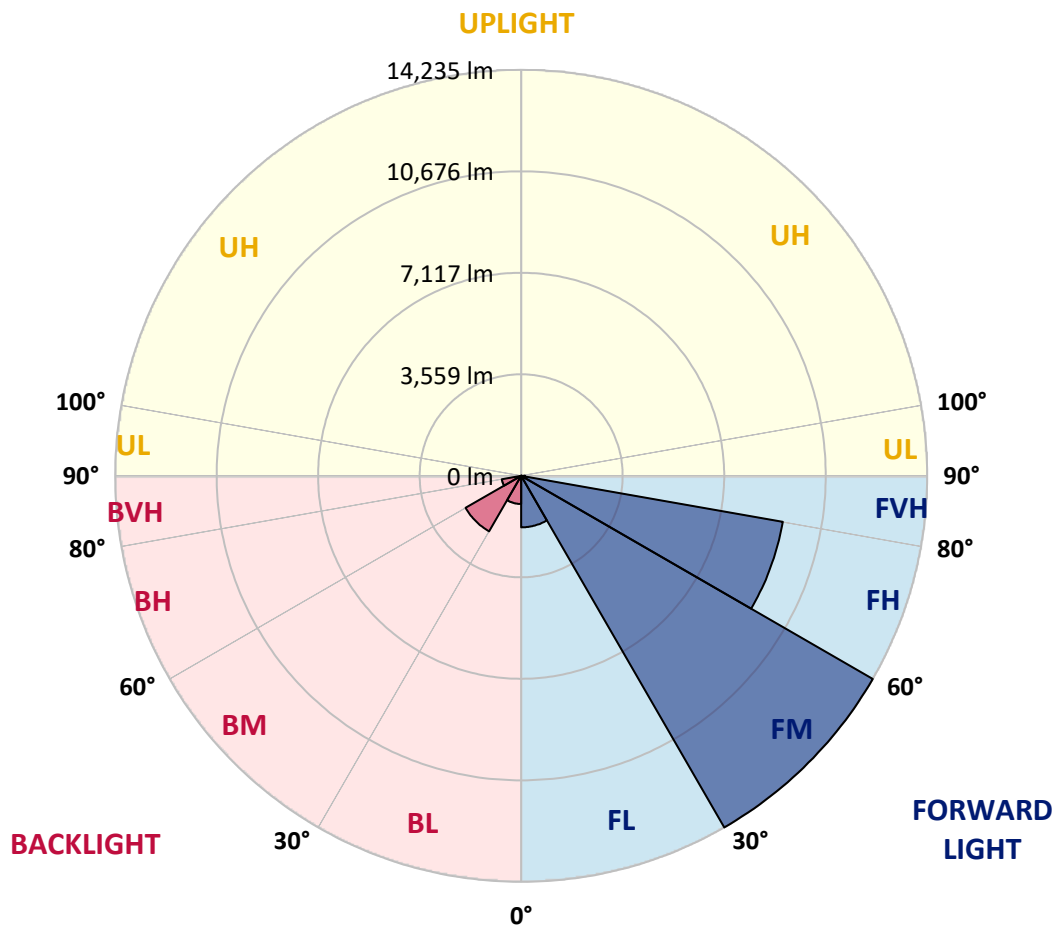
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1806.9	6.1			
FM	(30°-60°)	14234.8	48.4			
FH	(60°-80°)	9314.6	31.7			G4/12000
FVH	(80°-90°)	131.9	0.4			G2/225
BL	(0°-30°)	987.9	3.4	B2/1000		
BM	(30°-60°)	2249.5	7.6	B2/2500		
BH	(60°-80°)	690.6	2.3	B2/1000		G2/1000
BVH	(80°-90°)	6.8	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2
2.5°	3410.4	3434.0	3428.1	3422.2	3420.2	3424.2	3426.1	3424.2	3424.2	3424.2	3426.1
5°	3345.3	3365.0	3365.0	3378.8	3398.5	3422.2	3440.0	3443.9	3447.8	3453.8	3451.8
7.5°	3221.0	3236.8	3248.6	3294.0	3343.3	3406.4	3459.7	3487.3	3491.2	3512.9	3520.8
10°	3136.2	3155.9	3175.6	3223.0	3294.0	3388.7	3479.4	3546.5	3556.3	3607.6	3631.3
12.5°	3132.3	3152.0	3177.6	3228.9	3311.7	3412.3	3522.8	3619.4	3637.2	3712.2	3761.5
15°	3173.7	3197.3	3221.0	3284.1	3372.9	3495.2	3613.5	3733.8	3751.6	3858.1	3911.4
17.5°	3258.5	3290.0	3307.8	3370.9	3465.6	3601.7	3757.5	3895.6	3911.4	4035.6	4102.7
20°	3426.1	3463.6	3469.5	3520.8	3613.5	3759.5	3944.9	4116.5	4136.2	4278.2	4353.2
22.5°	3773.3	3826.6	3779.2	3804.9	3887.7	4033.7	4234.8	4451.8	4479.4	4641.2	4708.2
25°	4384.8	4459.7	4337.4	4294.0	4329.5	4481.4	4733.9	5008.1	5039.6	5169.8	5203.3
27.5°	5586.0	5489.3	5303.9	5122.5	5015.9	5102.7	5386.8	5726.0	5765.5	5891.7	5852.3
30°	6905.5	6820.7	6570.2	6167.9	5915.4	5901.6	6163.9	6542.6	6588.0	6708.3	6588.0
32.5°	8227.1	8146.2	7874.0	7378.9	6941.1	6724.1	6905.5	7325.7	7349.3	7426.3	7248.8
35°	9526.9	9444.1	9171.9	8665.0	8126.5	7633.4	7597.9	8071.3	8079.2	8160.0	7895.7
37.5°	10834.7	10765.6	10475.7	9978.6	9448.0	8767.5	8438.1	8777.4	8787.3	8866.2	8592.0
40°	11767.6	11797.2	11598.0	11213.4	10757.7	10014.1	9381.0	9528.9	9469.7	9601.9	9438.2
42.5°	12568.5	12627.6	12454.0	12260.7	11996.4	11341.6	10548.7	10523.0	10428.3	10499.4	10329.7
45°	13260.8	13310.1	13154.3	13108.9	13103.0	12643.4	11824.8	11671.0	11538.8	11525.0	11321.9
47.5°	13515.2	13609.9	13677.0	13828.8	14124.7	13931.4	13144.4	12905.7	12757.8	12649.3	12327.8
50°	13611.9	13712.5	13941.3	14383.1	15083.3	15166.2	14458.1	14189.8	14008.3	13811.1	13337.7
52.5°	13481.7	13661.2	13968.9	14712.5	15728.3	16156.3	15718.5	15483.7	15276.6	14955.1	14252.9
55°	12714.4	12893.9	13523.1	14708.6	16049.8	16850.6	16909.8	16805.3	16572.5	16065.6	14992.6
57.5°	11097.0	11363.3	12359.4	14207.6	16043.9	17448.3	18077.5	18152.5	17892.1	17166.2	15574.5
60°	8856.3	9217.3	10432.3	13097.1	15548.8	17771.8	19101.2	19476.0	19199.8	18251.1	16045.9
62.5°	6179.7	6597.8	7747.8	11357.4	14416.6	17539.0	19848.8	20541.1	20332.0	19221.5	16227.3
65°	3769.4	3903.5	4830.5	8937.2	12491.5	16564.6	20079.5	21117.0	21048.0	19815.2	15959.1
67.5°	2510.9	2623.4	2889.6	6128.4	9696.6	14617.8	19527.3	21016.5	21036.2	19718.6	14976.8
70°	1512.9	1609.5	1783.1	3564.2	6284.2	11570.4	17817.1	19734.4	19848.8	18426.6	13114.8
72.5°	623.3	688.4	846.2	1615.4	3254.5	7343.4	14187.8	16943.3	17209.6	15493.6	10065.4
75°	353.1	386.6	497.1	810.7	1412.3	3422.2	8594.0	12028.0	12420.5	10678.8	6055.4
77.5°	234.7	250.5	321.5	524.7	794.9	1167.7	3672.7	6266.5	7016.0	5832.5	2621.4
80°	157.8	171.6	220.9	351.1	516.8	501.0	1169.7	2321.6	2856.1	2004.0	639.1
82.5°	106.5	108.5	157.8	230.8	327.4	242.6	345.2	721.9	907.3	579.9	242.6
85°	61.1	59.2	116.4	134.1	146.0	100.6	104.5	217.0	284.0	244.6	138.1
87.5°	7.9	11.8	45.4	35.5	19.7	21.7	21.7	37.5	55.2	59.2	29.6
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°	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2	3422.2
2.5°	3426.1	3424.2	3418.3	3412.3	3398.5	3390.6	3394.6	3390.6	3388.7	3390.6	3398.5
5°	3451.8	3445.9	3430.1	3410.4	3382.8	3349.2	3327.5	3296.0	3266.4	3248.6	3252.6
7.5°	3520.8	3514.9	3493.2	3438.0	3349.2	3209.2	3081.0	2968.5	2883.7	2834.4	2836.4
10°	3631.3	3621.4	3587.9	3465.6	3232.8	2927.1	2672.7	2461.6	2323.5	2258.5	2252.5
12.5°	3761.5	3749.6	3690.5	3440.0	3011.9	2534.6	2183.5	1948.8	1820.6	1763.4	1757.5
15°	3915.3	3899.5	3783.2	3317.7	2690.4	2100.7	1779.1	1603.6	1520.8	1469.5	1471.4
17.5°	4106.6	4079.0	3852.2	3134.2	2341.3	1769.3	1530.6	1398.5	1325.5	1276.2	1272.2
20°	4355.2	4309.8	3907.4	2915.3	2019.8	1560.2	1363.0	1252.5	1197.3	1153.9	1146.0
22.5°	4702.3	4637.2	3974.5	2678.6	1793.0	1416.2	1238.7	1157.8	1112.5	1063.2	1055.3
25°	5132.3	5055.4	4057.3	2459.6	1637.1	1292.0	1148.0	1080.9	1027.6	970.4	964.5
27.5°	5733.9	5595.8	4156.0	2280.2	1503.0	1185.4	1065.1	990.2	929.0	881.7	871.8
30°	6404.5	6177.7	4242.7	2171.7	1380.7	1086.8	956.6	881.7	824.5	791.0	785.0
32.5°	7039.7	6732.0	4299.9	2124.3	1270.3	974.4	838.3	757.4	714.0	704.2	710.1
35°	7639.3	7233.0	4294.0	2079.0	1171.6	862.0	721.9	639.1	605.5	611.5	611.5
37.5°	8329.7	7767.5	4252.6	2008.0	1090.8	759.4	621.3	548.3	518.8	520.7	528.6
40°	9132.4	8384.9	4227.0	1873.8	1002.0	664.7	538.5	479.3	457.6	449.7	447.7
42.5°	9988.5	8982.5	4230.9	1721.9	891.5	579.9	481.3	432.0	412.2	406.3	404.4
45°	10848.5	9552.6	4236.8	1564.2	775.2	514.8	439.9	398.4	386.6	378.7	378.7
47.5°	11657.2	10037.8	4126.4	1394.5	660.8	465.5	406.3	378.7	368.8	359.0	359.0
50°	12410.7	10361.3	3860.1	1197.3	570.0	426.0	380.7	361.0	351.1	341.2	341.2
52.5°	12996.5	10412.6	3420.2	994.1	506.9	396.5	364.9	347.2	335.3	325.5	323.5
55°	13256.8	10091.1	2795.0	804.8	457.6	370.8	349.1	331.4	317.6	307.7	305.7
57.5°	13189.8	9414.5	2179.6	647.0	410.3	345.2	329.4	317.6	301.8	286.0	284.0
60°	12860.4	8509.1	1643.1	538.5	366.9	317.6	307.7	297.8	276.1	252.5	248.5
62.5°	12290.3	7371.0	1171.6	445.8	319.5	286.0	282.1	274.2	242.6	199.2	195.3
65°	11418.5	5988.4	789.0	370.8	274.2	250.5	252.5	238.7	197.2	147.9	144.0
67.5°	10144.3	4378.8	504.9	303.8	228.8	209.1	211.1	203.2	167.7	126.2	120.3
70°	8521.0	2899.5	329.4	230.8	183.4	161.7	173.6	175.5	142.0	102.6	98.6
72.5°	6246.7	1712.1	230.8	171.6	134.1	112.4	142.0	146.0	114.4	76.9	73.0
75°	3560.3	812.6	173.6	124.3	82.8	78.9	110.5	110.5	78.9	51.3	47.3
77.5°	1495.1	339.3	122.3	80.9	47.3	45.4	75.0	69.0	39.4	23.7	23.7
80°	432.0	151.9	65.1	39.4	19.7	17.8	29.6	21.7	9.9	3.9	3.9
82.5°	169.6	67.1	25.6	15.8	7.9	7.9	3.9	0.0	0.0	0.0	0.0
85°	100.6	27.6	11.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.6	5.9	3.9	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)