

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: P952365

Luminaire Tested: **GALN-SB6B-727-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-727-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26369 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 220.4
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

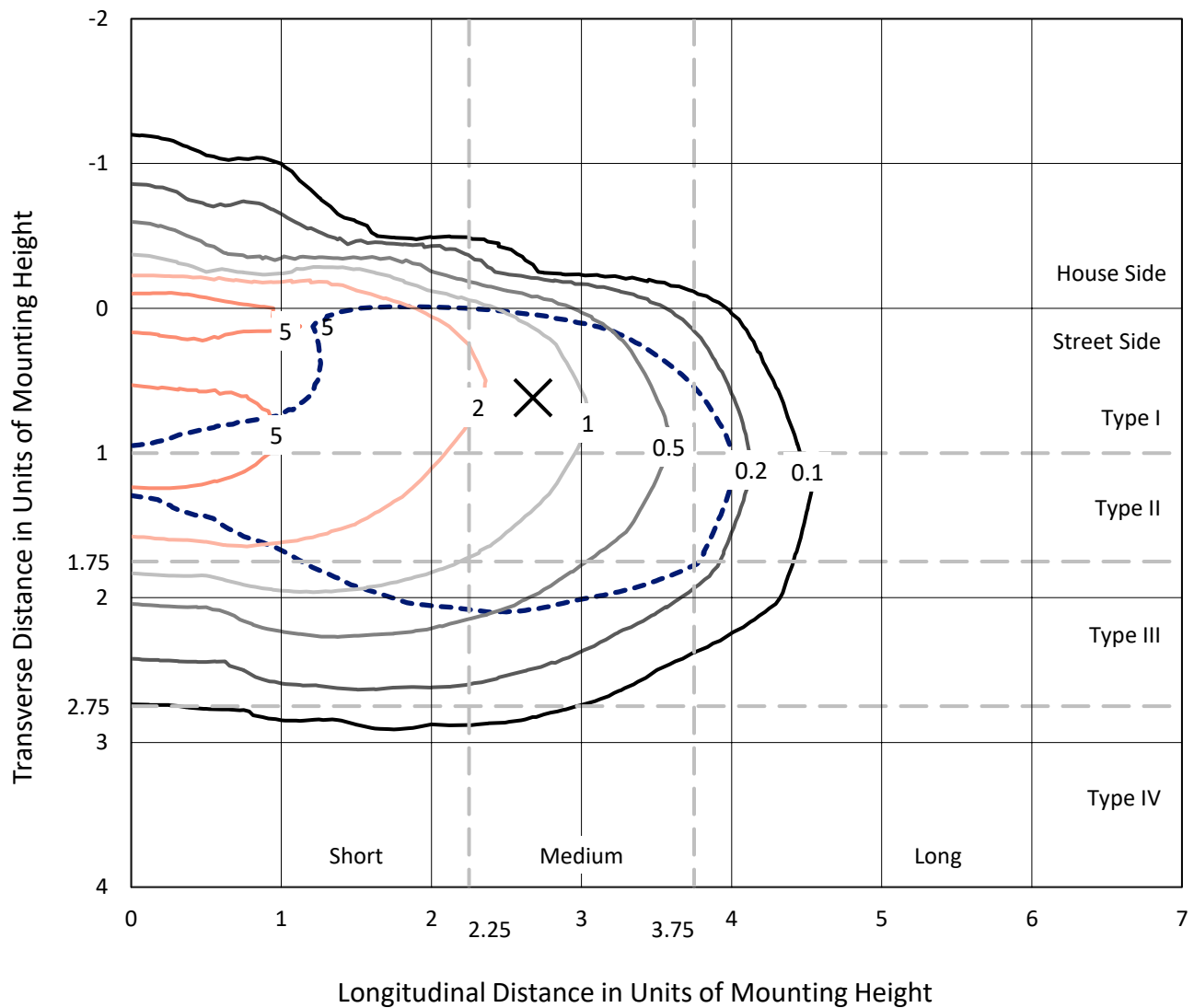


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Iso-Footcandle Lines of Horizontal Illumination

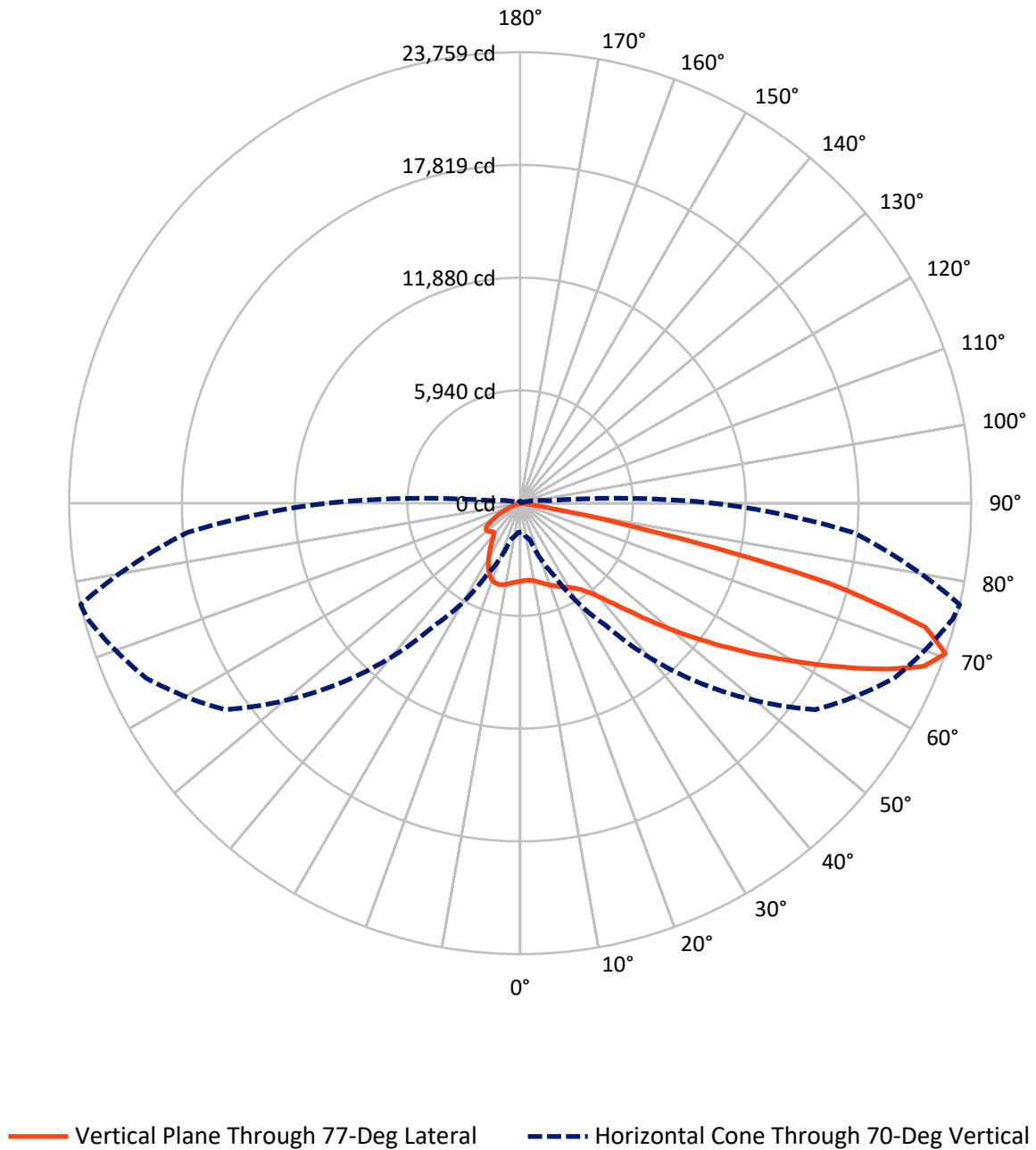
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.7	0.0	2779.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	23589.3	0.0	23589.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	26369.0	0.0	26369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.5	1.3
10°-20°	841.5	3.2
20°-30°	1301.6	4.9
30°-40°	2361.8	9.0
40°-50°	4458.1	16.9
50°-60°	6441.6	24.4
60°-70°	6856.9	26.0
70°-80°	3633.7	13.8
80°-90°	119.3	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°	26369.0	100.0
0°-180°	26369.0	100.0

Coefficient of Utilization



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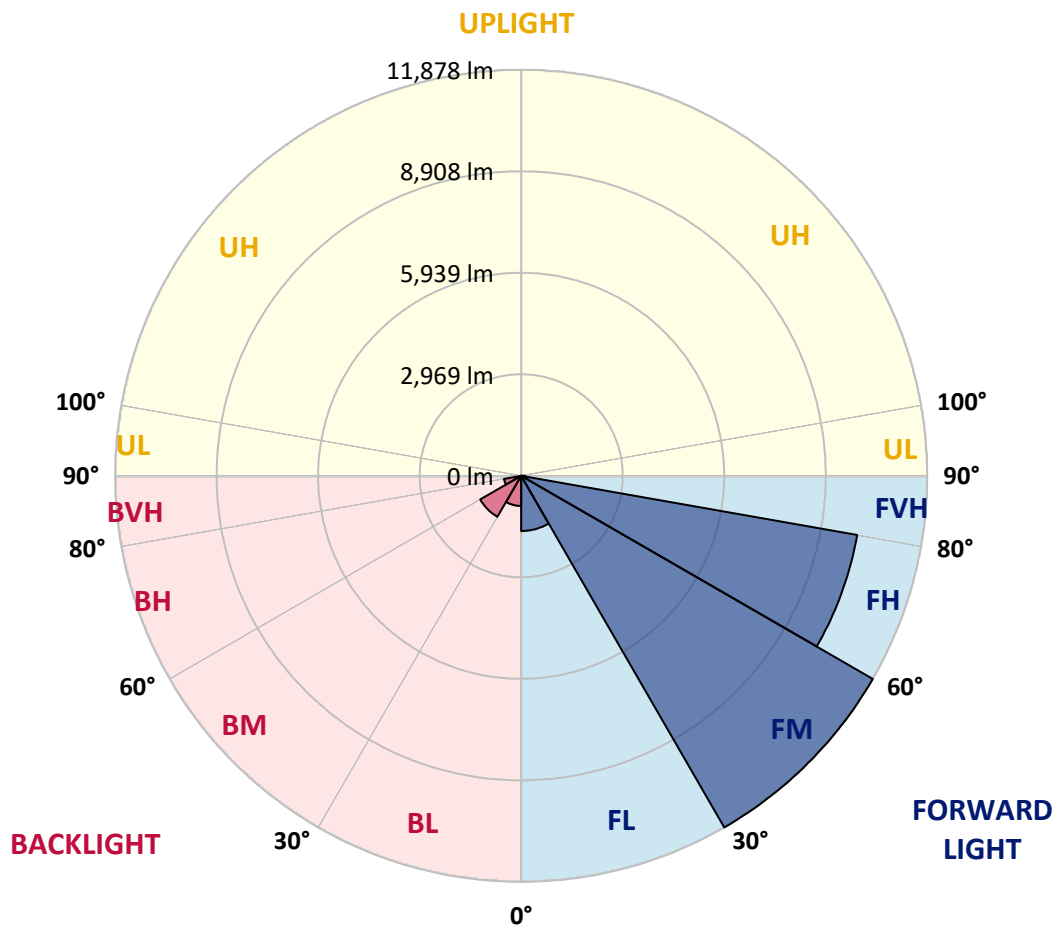
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1614.4	6.1			
FM	(30°-60°)	11877.8	45.0			
FH	(60°-80°)	9981.0	37.9			G4/12000
FVH	(80°-90°)	116.1	0.4			G2/225
BL	(0°-30°)	883.1	3.3	B2/1000		
BM	(30°-60°)	1383.7	5.2	B2/2500		
BH	(60°-80°)	509.6	1.9	B2/1000		G2/1000
BVH	(80°-90°)	3.2	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1
2.5°	3861.6	3896.6	3891.6	3914.9	3923.3	3956.6	3989.9	4034.8	4084.8	4083.1	4116.4
5°	3643.5	3678.5	3686.8	3718.4	3758.4	3810.0	3878.3	3968.2	4061.5	4076.5	4143.1
7.5°	3385.4	3422.0	3443.7	3506.9	3580.2	3686.8	3798.4	3929.9	4084.8	4106.4	4234.6
10°	3127.3	3160.6	3188.9	3278.8	3395.4	3553.6	3735.1	3924.9	4133.1	4164.7	4346.2
12.5°	2967.4	2999.1	3030.7	3109.0	3253.8	3447.0	3693.5	3948.2	4213.0	4258.0	4497.8
15°	2910.8	2939.1	2964.1	3034.0	3168.9	3388.7	3685.1	3996.5	4314.6	4374.5	4680.9
17.5°	2919.1	2934.1	2950.8	3004.1	3135.6	3362.1	3700.1	4079.8	4434.5	4487.8	4864.1
20°	2967.4	2975.7	2977.4	3014.0	3130.6	3358.7	3730.1	4159.7	4547.7	4619.3	5045.6
22.5°	3029.0	3032.4	3029.0	3054.0	3162.2	3383.7	3770.1	4256.3	4674.3	4740.9	5228.8
25°	3317.1	3253.8	3173.9	3125.6	3215.5	3432.0	3830.0	4386.2	4812.5	4877.4	5407.0
27.5°	4211.3	4029.8	3743.4	3422.0	3325.4	3502.0	3913.3	4517.7	4952.4	5010.6	5598.5
30°	5663.4	5425.3	4939.0	4214.7	3678.5	3648.5	4021.5	4649.3	5100.6	5163.8	5803.3
32.5°	7118.8	7060.5	6499.3	5496.9	4472.8	3974.9	4201.3	4827.5	5297.1	5347.0	6079.7
35°	8590.9	8472.6	8013.0	7022.2	5696.7	4639.3	4501.1	5060.6	5555.2	5611.8	6482.7
37.5°	9718.2	9646.6	9361.9	8545.9	7148.8	5665.1	5014.0	5421.9	5929.8	5993.1	6998.9
40°	10714.0	10680.7	10584.1	10046.3	8772.4	7007.2	5811.6	5981.5	6449.4	6524.3	7631.7
42.5°	11496.7	11574.9	11629.9	11480.0	10445.9	8539.2	6884.0	6767.4	7173.8	7250.4	8437.7
45°	12297.6	12324.3	12545.8	12762.2	12107.8	10141.2	8093.0	7688.3	8074.6	8169.6	9403.5
47.5°	12812.2	12918.8	13308.4	13689.8	13504.9	11729.8	9391.8	8775.7	9118.7	9296.9	10485.9
50°	12850.5	13052.0	13588.2	14252.6	14522.4	13241.8	10803.9	10014.6	10379.3	10575.8	11641.5
52.5°	12212.7	12525.8	13356.7	14329.2	15071.9	14522.4	12264.3	11253.5	11721.5	11977.9	12840.5
55°	9363.5	9773.2	12485.8	13912.9	15093.5	15493.2	13686.4	12544.1	13216.8	13506.6	14136.0
57.5°	8157.9	8364.4	9816.5	13190.2	14692.2	15884.5	14972.0	13773.0	14843.8	15203.4	15360.0
60°	6787.4	7058.9	8232.8	12007.9	14147.7	15922.8	16107.7	15358.3	16607.2	17011.9	16482.3
62.5°	4612.7	4907.4	6074.7	9976.3	13403.3	15904.5	17038.5	16990.2	18567.2	19001.8	17433.2
65°	2857.5	3042.4	3811.7	8146.2	12362.6	15924.5	18012.7	18971.8	20635.4	21076.7	18169.2
67.5°	2258.0	2343.0	2744.3	6254.6	10569.1	15474.9	18985.1	20835.2	22582.0	22931.7	18394.0
70°	1517.0	1568.6	1996.6	4193.0	7863.2	13400.0	18966.8	21771.1	23584.5	23759.3	17574.7
72.5°	799.3	839.3	1167.3	1941.6	4749.2	9525.0	15987.8	20652.0	22587.0	22323.9	15021.9
75°	399.7	466.3	786.0	985.8	2028.2	5312.0	9928.0	16282.5	17777.9	16758.8	9638.3
77.5°	303.1	366.3	649.4	649.4	706.1	1788.4	4204.7	8880.6	8191.2	6820.7	2829.2
80°	193.2	249.8	567.8	491.2	294.7	454.6	1095.7	2487.8	1740.2	1323.8	514.6
82.5°	113.2	163.2	472.9	324.7	164.9	168.2	309.7	529.5	451.3	351.4	158.2
85°	45.0	106.6	324.7	128.2	64.9	41.6	93.3	113.2	93.3	69.9	40.0
87.5°	0.0	25.0	56.6	0.0	5.0	3.3	6.7	8.3	8.3	6.7	13.3
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°	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1	4113.1
2.5°	4131.4	4134.7	4144.7	4146.4	4123.1	4093.1	4081.4	4076.5	4056.5	4054.8	4058.1
5°	4181.4	4196.3	4181.4	4138.1	4034.8	3889.9	3780.0	3690.1	3608.5	3583.5	3568.6
7.5°	4281.3	4296.3	4251.3	4081.4	3821.7	3533.6	3273.8	3090.6	2925.8	2864.2	2839.2
10°	4424.5	4444.5	4302.9	3959.9	3500.3	3037.4	2597.7	2288.0	2046.6	1948.3	1906.7
12.5°	4604.3	4612.7	4331.2	3775.0	3082.3	2421.2	1798.4	1467.1	1252.2	1172.3	1147.3
15°	4802.5	4790.8	4334.6	3523.6	2512.8	1711.8	1174.0	964.2	877.6	850.9	850.9
17.5°	5010.6	4962.3	4268.0	3160.6	1888.4	1170.6	870.9	821.0	806.0	799.3	797.6
20°	5215.5	5107.2	4146.4	2686.0	1355.5	874.2	791.0	776.0	767.7	764.3	761.0
22.5°	5402.0	5217.1	3938.2	2134.8	984.1	772.7	747.7	734.4	719.4	712.7	711.0
25°	5583.5	5280.4	3645.2	1620.3	787.6	722.7	702.7	677.7	657.8	649.4	646.1
27.5°	5760.0	5320.4	3278.8	1199.0	702.7	676.1	639.4	604.5	589.5	586.2	582.8
30°	5948.2	5333.7	2862.5	894.2	651.1	617.8	564.5	524.5	516.2	517.9	517.9
32.5°	6178.0	5353.7	2442.9	732.7	607.8	547.9	484.6	442.9	436.3	442.9	441.3
35°	6452.7	5393.6	2038.2	674.4	569.5	476.3	408.0	373.0	366.3	371.3	369.7
37.5°	6825.7	5458.6	1660.2	662.8	537.9	416.3	343.0	314.7	314.7	316.4	314.7
40°	7322.0	5631.8	1322.2	654.4	521.2	371.3	289.7	278.1	283.1	286.4	286.4
42.5°	7926.4	5999.8	1094.0	644.4	502.9	351.4	263.1	258.1	266.4	269.8	269.8
45°	8604.2	6466.0	1014.1	627.8	486.2	364.7	251.4	244.8	254.8	256.4	258.1
47.5°	9305.2	6922.3	1004.1	609.5	469.6	384.7	248.1	233.1	244.8	246.5	248.1
50°	10014.6	7220.4	1014.1	581.2	442.9	384.7	249.8	221.5	231.5	236.5	238.1
52.5°	10729.0	7356.9	1007.5	519.5	396.3	361.4	249.8	211.5	221.5	224.8	224.8
55°	11421.7	7330.3	905.9	428.0	336.4	319.7	243.1	203.2	209.8	211.5	211.5
57.5°	11969.6	6958.9	717.7	333.0	273.1	266.4	221.5	193.2	198.2	196.5	196.5
60°	12256.0	6143.0	512.9	256.4	214.8	209.8	194.8	179.8	183.2	174.8	173.2
62.5°	12259.3	5063.9	343.0	203.2	171.5	166.5	166.5	161.5	158.2	141.5	136.5
65°	11997.9	3866.6	228.1	161.5	138.2	129.9	139.9	138.2	126.6	103.2	99.9
67.5°	11405.1	2534.5	173.2	126.6	106.6	101.6	111.6	116.6	108.2	86.6	84.9
70°	10186.1	1475.4	143.2	98.2	79.9	74.9	89.9	99.9	89.9	69.9	66.6
72.5°	8461.0	796.0	116.6	73.3	55.0	50.0	71.6	81.6	71.6	51.6	50.0
75°	5490.2	426.3	89.9	48.3	28.3	31.6	53.3	59.9	50.0	33.3	30.0
77.5°	1843.4	188.2	56.6	23.3	13.3	13.3	31.6	36.6	23.3	11.7	10.0
80°	411.3	78.3	23.3	10.0	5.0	5.0	6.7	6.7	3.3	0.0	0.0
82.5°	134.9	31.6	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	51.6	11.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.0	1.7	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)