

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: P951273

Luminaire Tested: **GALN-SB5C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951273
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-SB5C-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA 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: 26018 lumens
Efficiency: N/A
Efficacy: 104.3 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): 249.5
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

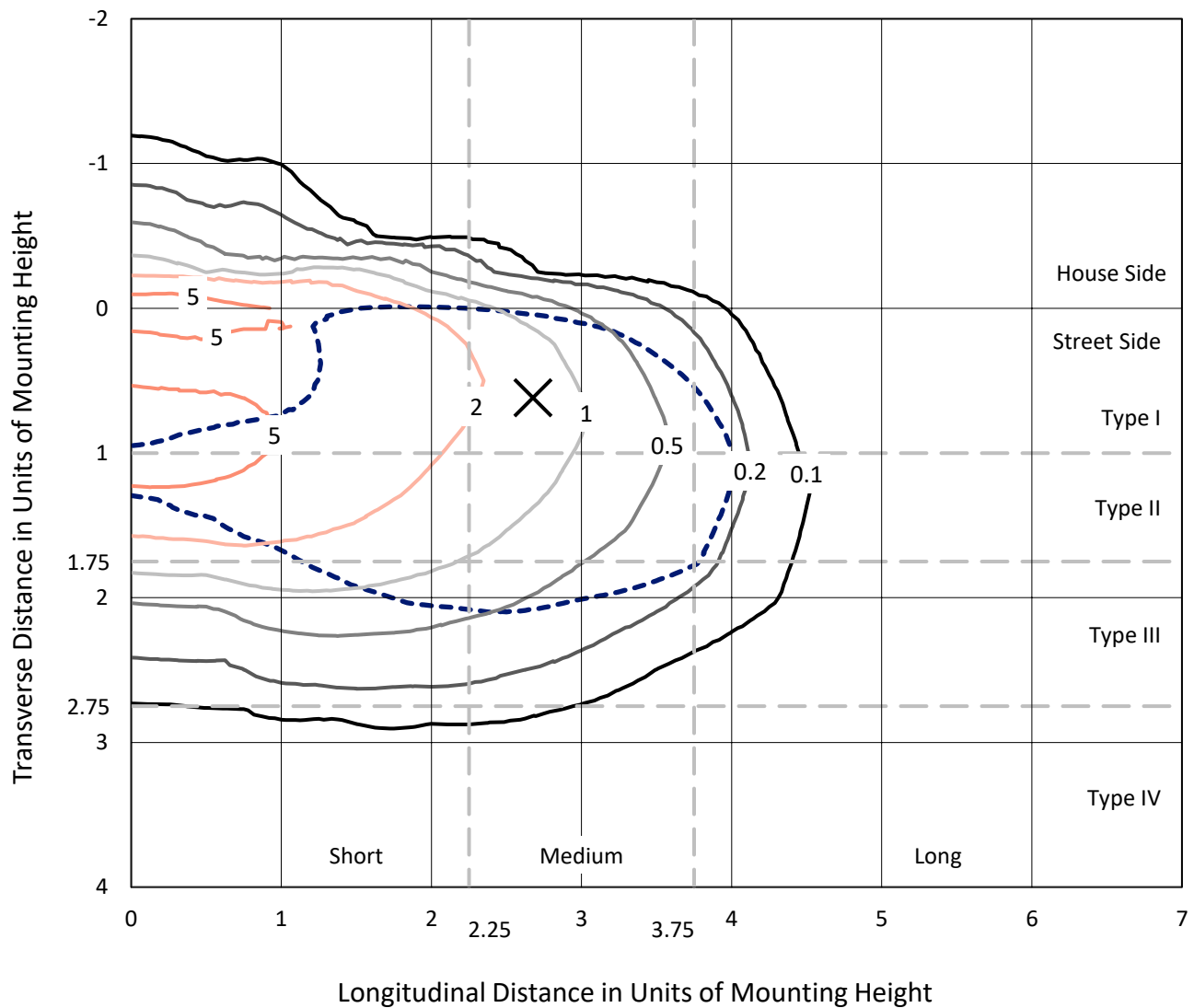


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Iso-Footcandle Lines of Horizontal Illumination

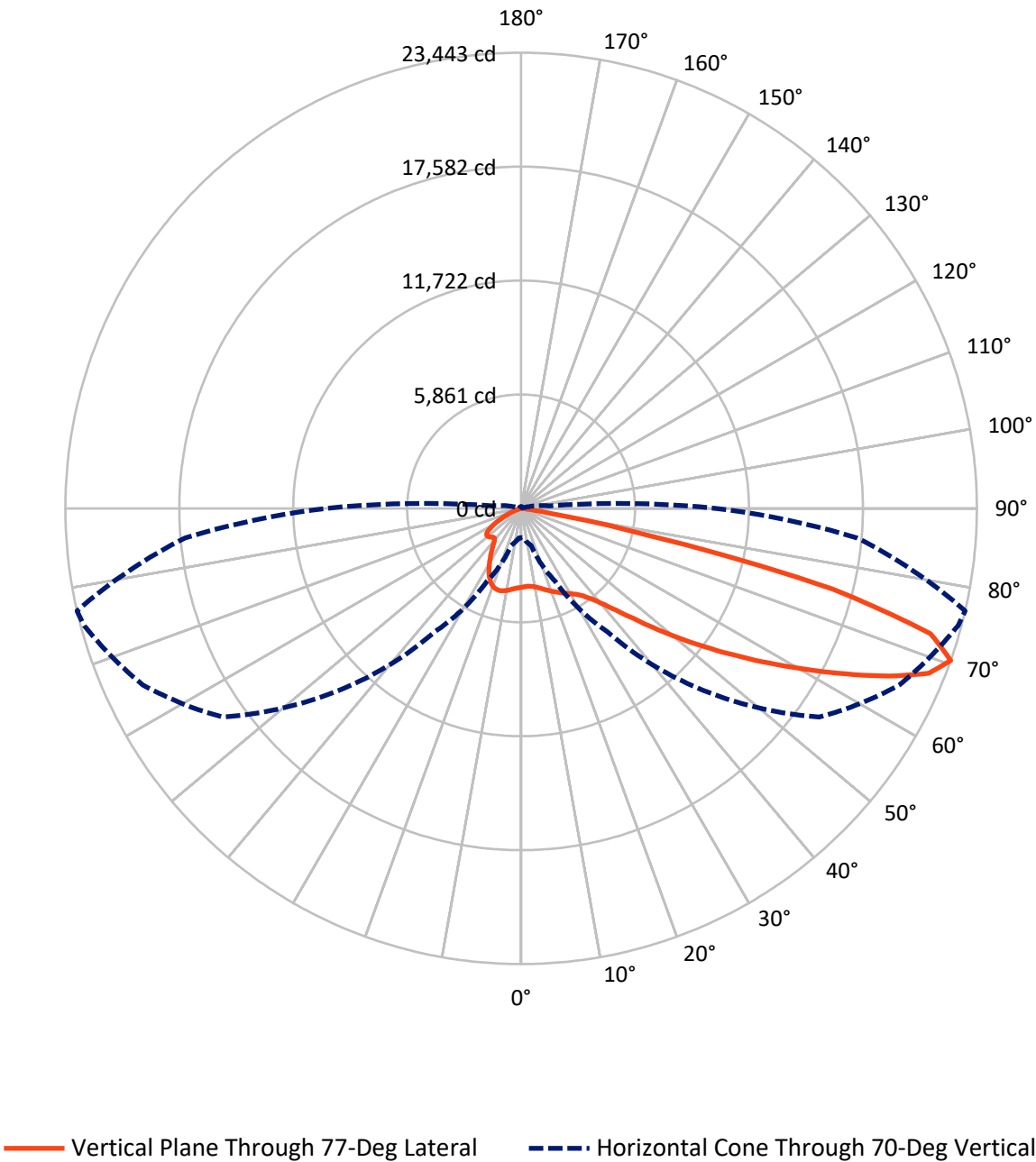
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	2742.7	0.0	2742.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	23275.3	0.0	23275.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	26018.0	0.0	26018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	1.3
10°-20°	830.3	3.2
20°-30°	1284.2	4.9
30°-40°	2330.3	9.0
40°-50°	4398.8	16.9
50°-60°	6355.9	24.4
60°-70°	6765.7	26.0
70°-80°	3585.3	13.8
80°-90°	117.7	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°	26018.0	100.0
0°-180°	26018.0	100.0

Coefficient of Utilization



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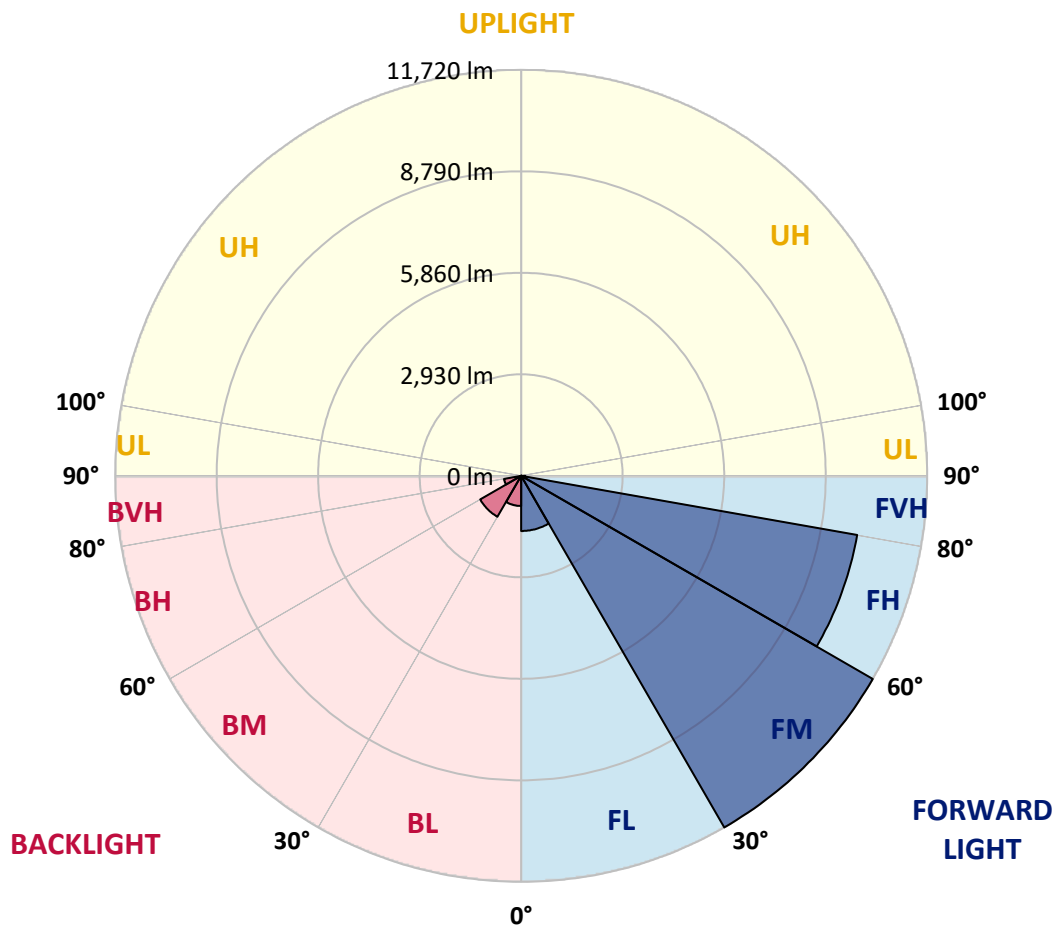
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1592.9	6.1			
FM	(30°-60°)	11719.7	45.0			
FH	(60°-80°)	9848.2	37.9			G4/12000
FVH	(80°-90°)	114.6	0.4			G2/225
BL	(0°-30°)	871.4	3.3	B2/1000		
BM	(30°-60°)	1365.3	5.2	B2/2500		
BH	(60°-80°)	502.8	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°	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3
2.5°	3810.2	3844.7	3839.8	3862.8	3871.0	3903.9	3936.8	3981.1	4030.4	4028.8	4061.6
5°	3595.0	3629.5	3637.7	3668.9	3708.4	3759.3	3826.7	3915.4	4007.4	4022.2	4087.9
7.5°	3340.3	3376.5	3397.8	3460.3	3532.6	3637.7	3747.8	3877.6	4030.4	4051.8	4178.3
10°	3085.7	3118.5	3146.4	3235.2	3350.2	3506.3	3685.4	3872.7	4078.1	4109.3	4288.4
12.5°	2927.9	2959.1	2990.4	3067.6	3210.5	3401.1	3644.3	3895.7	4156.9	4201.3	4437.9
15°	2872.1	2900.0	2924.6	2993.6	3126.7	3343.6	3636.1	3943.3	4257.1	4316.3	4618.6
17.5°	2880.3	2895.1	2911.5	2964.1	3093.9	3317.3	3650.9	4025.5	4375.4	4428.0	4799.4
20°	2927.9	2936.1	2937.8	2973.9	3088.9	3314.0	3680.4	4104.3	4487.2	4557.8	4978.4
22.5°	2988.7	2992.0	2988.7	3013.4	3120.2	3338.7	3719.9	4199.6	4612.0	4677.8	5159.2
25°	3273.0	3210.5	3131.7	3084.0	3172.7	3386.3	3779.0	4327.8	4748.4	4812.5	5335.0
27.5°	4155.3	3976.2	3693.6	3376.5	3281.2	3455.3	3861.2	4457.6	4886.4	4943.9	5523.9
30°	5588.0	5353.1	4873.3	4158.6	3629.5	3599.9	3968.0	4587.4	5032.7	5095.1	5726.0
32.5°	7024.0	6966.5	6412.8	5423.7	4413.2	3922.0	4145.4	4763.2	5226.5	5275.8	5998.8
35°	8476.5	8359.8	7906.4	6928.7	5620.9	4577.5	4441.2	4993.2	5481.2	5537.1	6396.4
37.5°	9588.9	9518.2	9237.2	8432.1	7053.6	5589.7	4947.2	5349.8	5850.9	5913.3	6905.7
40°	10571.4	10538.5	10443.2	9912.5	8655.6	6914.0	5734.3	5901.8	6363.5	6437.5	7530.1
42.5°	11343.6	11420.9	11475.1	11327.2	10306.9	8425.6	6792.4	6677.4	7078.3	7153.8	8325.3
45°	12133.9	12160.2	12378.8	12592.3	11946.6	10006.2	7985.2	7586.0	7967.2	8060.8	9278.3
47.5°	12641.6	12746.8	13131.3	13507.5	13325.2	11573.7	9266.8	8658.9	8997.4	9173.2	10346.3
50°	12679.4	12878.2	13407.3	14062.9	14329.1	13065.5	10660.1	9881.3	10241.1	10435.0	11486.6
52.5°	12050.1	12359.0	13178.9	14138.5	14871.3	14329.1	12101.1	11103.7	11565.4	11818.5	12669.6
55°	9238.9	9643.1	12319.6	13727.7	14892.6	15287.0	13504.2	12377.1	13040.9	13326.8	13947.9
57.5°	8049.3	8253.0	9685.8	13014.6	14496.6	15673.1	14772.7	13589.7	14646.2	15001.1	15155.5
60°	6697.1	6964.9	8123.2	11848.0	13959.4	15710.9	15893.2	15153.9	16386.2	16785.4	16262.9
62.5°	4551.3	4842.1	5993.9	9843.5	13224.9	15692.8	16811.7	16764.1	18320.0	18748.9	17201.1
65°	2819.5	3001.9	3760.9	8037.8	12198.0	15712.5	17772.9	18719.3	20360.7	20796.1	17927.3
67.5°	2228.0	2311.8	2707.7	6171.3	10428.5	15268.9	18732.4	20557.9	22281.4	22626.5	18149.2
70°	1496.8	1547.8	1970.0	4137.2	7758.5	13221.6	18714.4	21481.3	23270.5	23443.1	17340.8
72.5°	788.7	828.1	1151.8	1915.8	4686.0	9398.3	15774.9	20377.1	22286.4	22026.8	14822.0
75°	394.3	460.1	775.5	972.7	2001.2	5241.3	9795.9	16065.8	17541.2	16535.7	9510.0
77.5°	299.0	361.5	640.8	640.8	696.7	1764.6	4148.7	8762.4	8082.2	6729.9	2791.5
80°	190.6	246.5	560.3	484.7	290.8	448.6	1081.1	2454.7	1717.0	1306.2	507.7
82.5°	111.7	161.0	466.6	320.4	162.7	165.9	305.6	522.5	445.3	346.7	156.1
85°	44.4	105.2	320.4	126.5	64.1	41.1	92.0	111.7	92.0	69.0	39.4
87.5°	0.0	24.6	55.9	0.0	4.9	3.3	6.6	8.2	8.2	6.6	13.1
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°	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3	4058.3
2.5°	4076.4	4079.7	4089.6	4091.2	4068.2	4038.6	4027.1	4022.2	4002.5	4000.8	4004.1
5°	4125.7	4140.5	4125.7	4083.0	3981.1	3838.2	3729.7	3641.0	3560.5	3535.8	3521.1
7.5°	4224.3	4239.1	4194.7	4027.1	3770.8	3486.6	3230.2	3049.5	2886.8	2826.0	2801.4
10°	4365.6	4385.3	4245.6	3907.2	3453.7	2996.9	2563.2	2257.6	2019.3	1922.4	1881.3
12.5°	4543.0	4551.3	4273.6	3724.8	3041.3	2389.0	1774.5	1447.5	1235.6	1156.7	1132.1
15°	4738.6	4727.1	4276.9	3476.7	2479.4	1689.1	1158.4	951.3	865.9	839.6	839.6
17.5°	4943.9	4896.3	4211.1	3118.5	1863.2	1155.1	859.3	810.0	795.2	788.7	787.0
20°	5146.0	5039.2	4091.2	2650.2	1337.4	862.6	780.4	765.7	757.4	754.2	750.9
22.5°	5330.1	5147.7	3885.8	2106.4	971.0	762.4	737.7	724.6	709.8	703.2	701.6
25°	5509.2	5210.1	3596.6	1598.7	777.2	713.1	693.4	668.7	649.0	640.8	637.5
27.5°	5683.3	5249.6	3235.2	1183.0	693.4	667.1	630.9	596.4	581.6	578.4	575.1
30°	5869.0	5262.7	2824.4	882.3	642.4	609.6	557.0	517.6	509.3	511.0	511.0
32.5°	6095.7	5282.4	2410.4	722.9	599.7	540.6	478.1	437.1	430.5	437.1	435.4
35°	6366.8	5321.8	2011.1	665.4	561.9	469.9	402.5	368.0	361.5	366.4	364.8
37.5°	6734.9	5385.9	1638.1	653.9	530.7	410.8	338.5	310.5	310.5	312.2	310.5
40°	7224.5	5556.8	1304.6	645.7	514.3	366.4	285.9	274.4	279.3	282.6	282.6
42.5°	7820.9	5919.9	1079.5	635.9	496.2	346.7	259.6	254.7	262.9	266.2	266.2
45°	8489.6	6380.0	1000.6	619.4	479.8	359.8	248.1	241.5	251.4	253.0	254.7
47.5°	9181.4	6830.2	990.8	601.4	463.3	379.5	244.8	230.0	241.5	243.2	244.8
50°	9881.3	7124.3	1000.6	573.4	437.1	379.5	246.5	218.5	228.4	233.3	235.0
52.5°	10586.2	7259.0	994.0	512.6	391.0	356.5	246.5	208.7	218.5	221.8	221.8
55°	11269.7	7232.7	893.8	422.3	331.9	315.5	239.9	200.5	207.0	208.7	208.7
57.5°	11810.3	6866.3	708.2	328.6	269.5	262.9	218.5	190.6	195.5	193.9	193.9
60°	12092.9	6061.2	506.1	253.0	212.0	207.0	192.2	177.4	180.7	172.5	170.9
62.5°	12096.1	4996.5	338.5	200.5	169.2	164.3	164.3	159.4	156.1	139.7	134.7
65°	11838.2	3815.2	225.1	159.4	136.4	128.2	138.0	136.4	124.9	101.9	98.6
67.5°	11253.3	2500.7	170.9	124.9	105.2	100.2	110.1	115.0	106.8	85.4	83.8
70°	10050.5	1455.7	141.3	96.9	78.9	73.9	88.7	98.6	88.7	69.0	65.7
72.5°	8348.3	785.4	115.0	72.3	54.2	49.3	70.7	80.5	70.7	50.9	49.3
75°	5417.1	420.6	88.7	47.6	27.9	31.2	52.6	59.1	49.3	32.9	29.6
77.5°	1818.9	185.7	55.9	23.0	13.1	13.1	31.2	36.1	23.0	11.5	9.9
80°	405.8	77.2	23.0	9.9	4.9	4.9	6.6	6.6	3.3	0.0	0.0
82.5°	133.1	31.2	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	50.9	11.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.7	1.6	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)