

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: P947335

Luminaire Tested: **GALN-SB2D-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16709 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 147.6
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



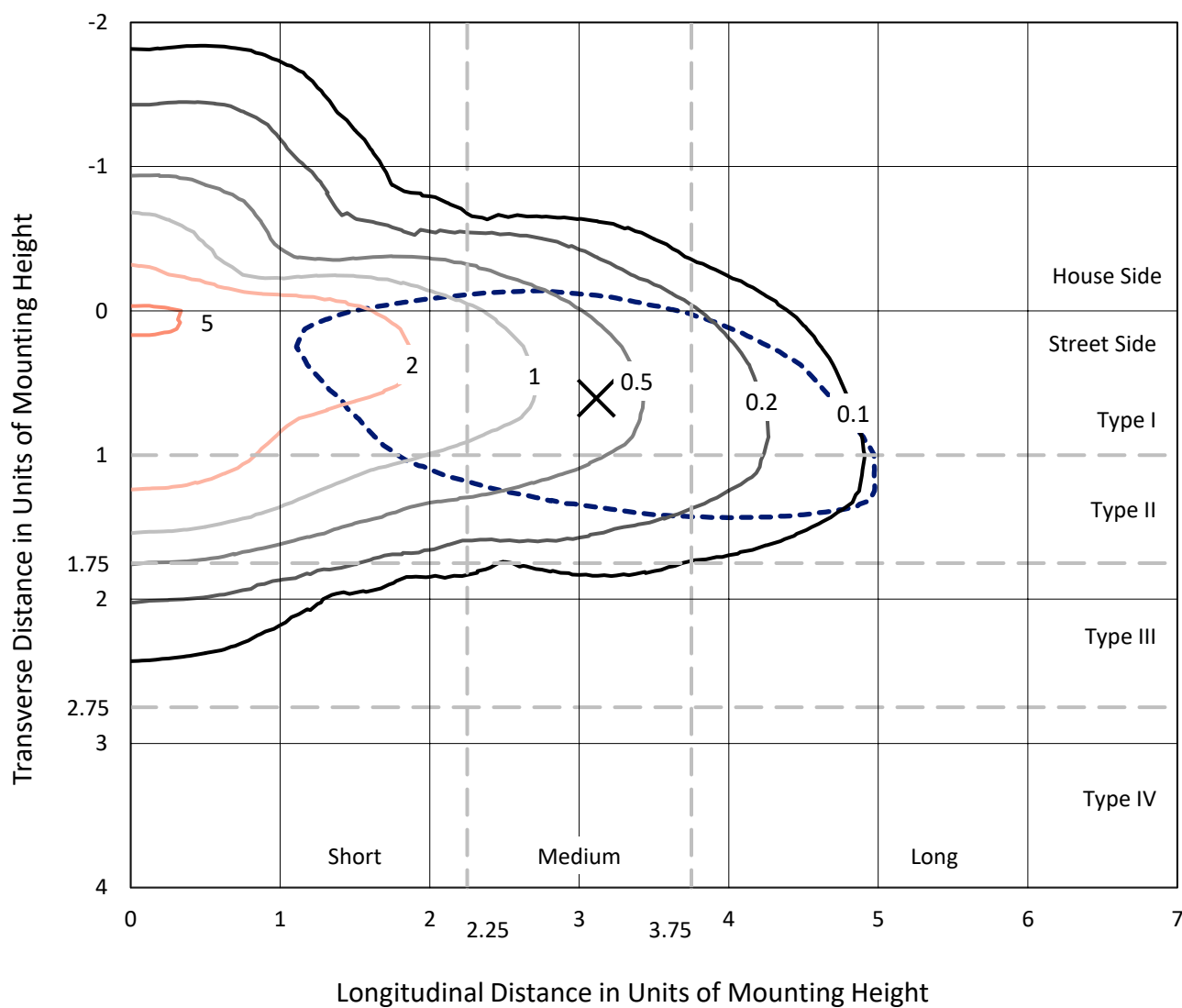
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Iso-Footcandle Lines of Horizontal Illumination

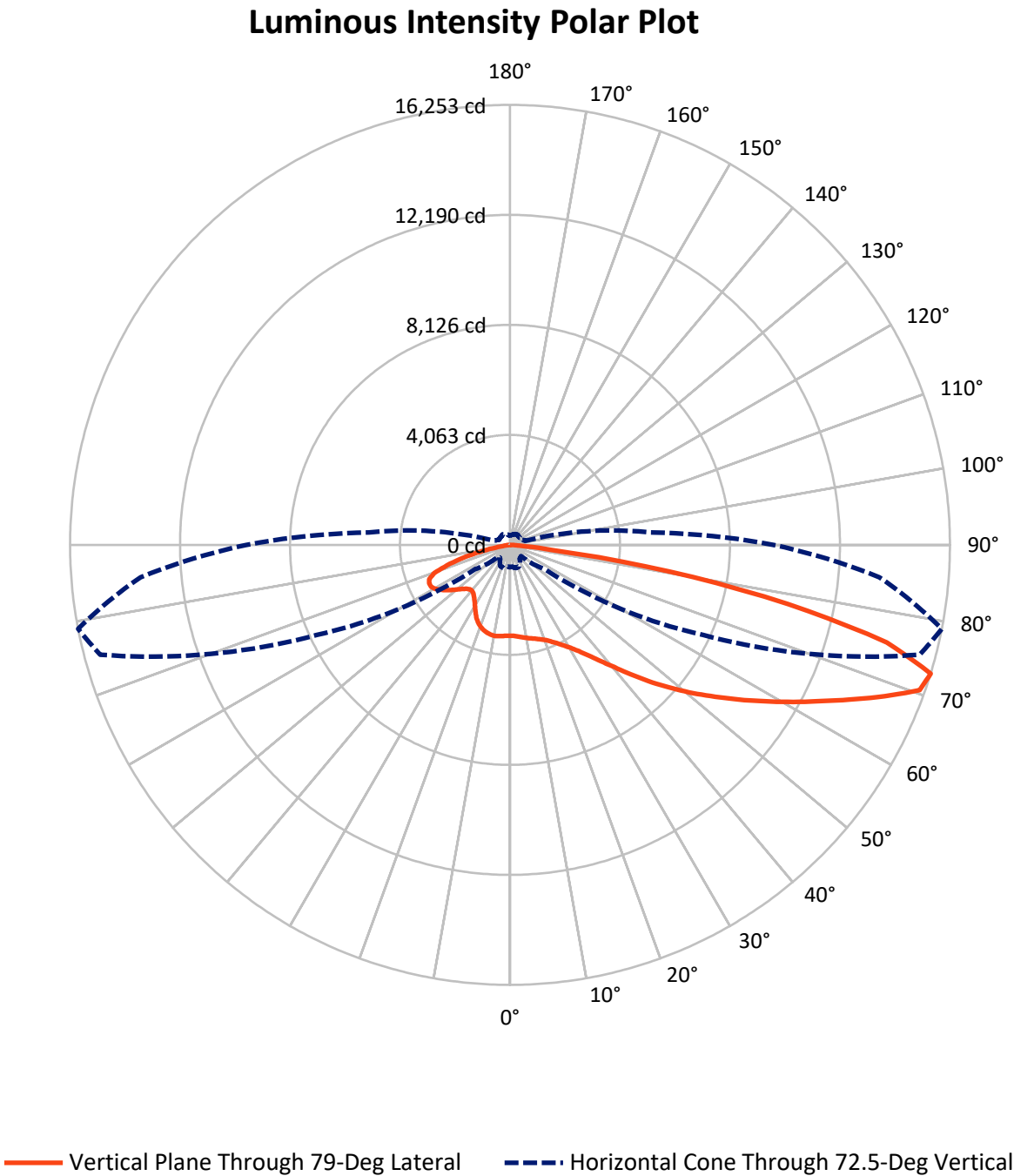
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3676.9	0.0	3676.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13032.1	0.0	13032.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	16709.0	0.0	16709.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.5	1.8
10°-20°	796.0	4.8
20°-30°	1284.4	7.7
30°-40°	1927.8	11.5
40°-50°	2734.6	16.4
50°-60°	3453.5	20.7
60°-70°	3507.5	21.0
70°-80°	2390.5	14.3
80°-90°	310.1	1.9
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°	16709.0	100.0
0°-180°	16709.0	100.0

Coefficient of Utilization



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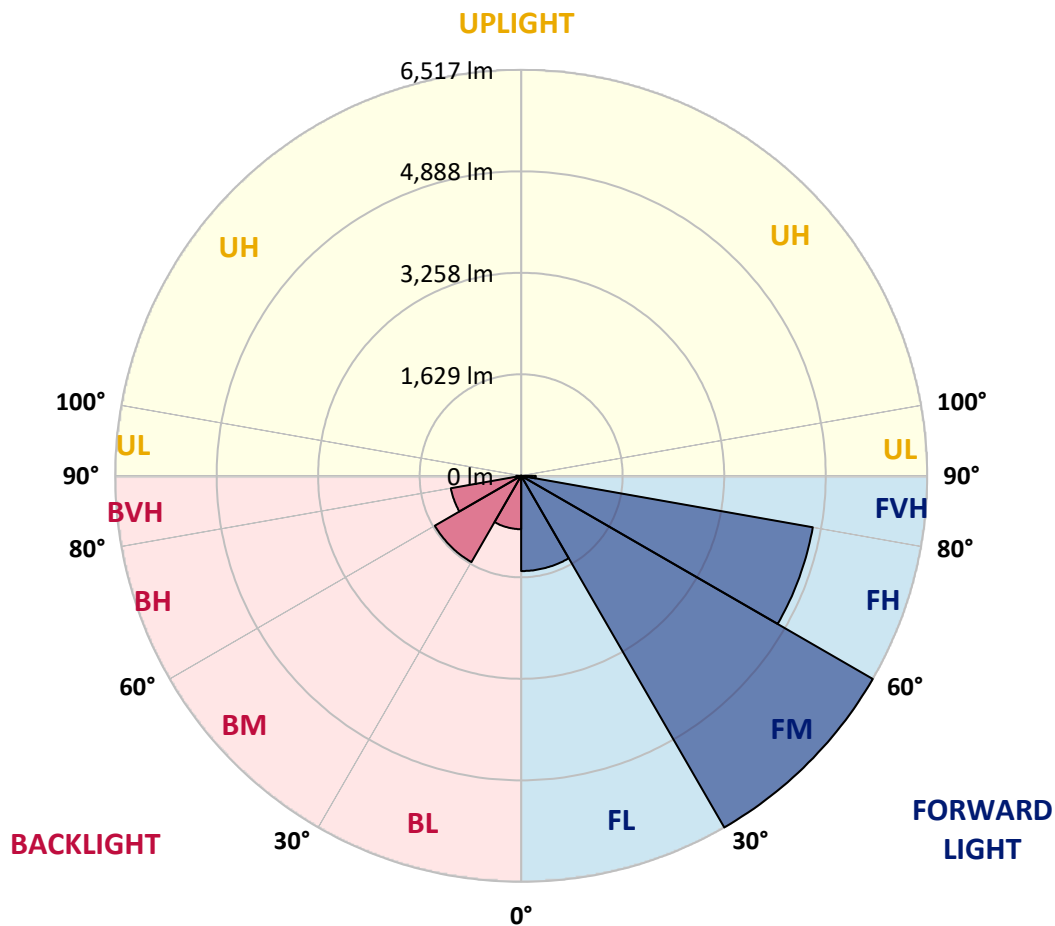
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1528.5	9.1			
FM	(30°-60°)	6516.9	39.0			
FH	(60°-80°)	4753.1	28.4			G2/5000
FVH	(80°-90°)	233.6	1.4			G3/500
BL	(0°-30°)	856.5	5.1	B2/1000		
BM	(30°-60°)	1599.1	9.6	B2/2500		
BH	(60°-80°)	1144.9	6.9	B3/2500		G3/2500
BVH	(80°-90°)	76.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2
2.5°	3355.9	3340.0	3349.8	3346.2	3350.6	3355.9	3357.7	3360.4	3369.2	3368.3	3367.4
5°	3348.9	3333.0	3346.2	3341.8	3353.3	3365.7	3376.3	3386.0	3400.1	3406.3	3397.5
7.5°	3333.8	3323.2	3336.5	3349.8	3371.0	3389.5	3404.6	3426.6	3447.0	3450.5	3456.7
10°	3246.3	3238.4	3269.3	3303.8	3362.1	3412.5	3445.2	3470.8	3492.9	3496.5	3505.3
12.5°	3155.3	3145.6	3180.1	3226.9	3321.5	3412.5	3481.4	3515.0	3534.5	3546.0	3559.2
15°	3140.3	3132.3	3151.8	3192.4	3271.1	3388.6	3506.2	3568.1	3584.9	3598.1	3603.4
17.5°	3212.8	3197.7	3205.7	3219.8	3265.8	3366.5	3525.6	3628.2	3653.8	3667.9	3667.9
20°	3380.7	3359.5	3347.1	3318.8	3310.9	3370.1	3523.9	3700.6	3734.2	3751.9	3756.3
22.5°	3604.3	3590.2	3563.6	3492.1	3414.3	3413.4	3557.5	3793.4	3856.2	3873.0	3862.4
25°	3874.8	3853.5	3820.0	3722.7	3573.4	3499.1	3614.0	3911.9	4017.1	4021.5	3990.5
27.5°	4185.9	4154.0	4108.1	3979.9	3778.4	3633.5	3700.6	4048.0	4201.8	4200.0	4136.4
30°	4513.8	4482.0	4433.3	4277.8	4024.1	3814.7	3820.8	4194.7	4421.0	4411.2	4302.5
32.5°	4753.3	4729.4	4719.7	4599.5	4307.0	4028.5	3958.7	4357.3	4691.4	4682.6	4530.6
35°	4937.1	4906.2	4917.7	4856.7	4615.4	4268.1	4127.5	4550.9	5020.2	5019.3	4830.2
37.5°	5119.2	5091.8	5101.5	5060.9	4900.9	4572.1	4333.5	4787.8	5427.7	5447.1	5192.6
40°	5285.4	5256.2	5295.1	5257.1	5122.7	4895.6	4567.7	5055.6	5899.6	5936.8	5630.9
42.5°	5385.2	5362.3	5426.8	5427.7	5315.4	5168.7	4824.9	5350.8	6445.8	6528.9	6170.1
45°	5419.7	5411.8	5509.0	5529.3	5486.0	5326.9	5056.4	5672.5	7034.5	7183.0	6784.4
47.5°	5382.6	5367.6	5501.9	5577.0	5611.5	5401.1	5248.2	6020.7	7635.5	7852.9	7454.3
50°	5195.2	5166.0	5365.8	5524.0	5646.9	5449.8	5441.8	6422.9	8318.7	8556.5	8127.8
52.5°	4858.5	4836.4	5063.5	5338.4	5569.1	5473.6	5659.2	6862.1	8967.4	9275.0	8818.1
55°	4428.0	4398.9	4649.0	5007.8	5375.5	5465.7	5876.7	7353.5	9732.8	10044.8	9531.3
57.5°	3745.7	3687.4	4003.8	4428.0	5060.0	5455.9	6102.9	7842.3	10510.6	10884.5	10292.3
60°	2750.5	2663.9	3051.9	3554.8	4443.1	5361.4	6383.1	8390.3	11444.0	11780.7	11123.1
62.5°	1601.5	1551.1	1804.8	2274.1	3348.9	4804.6	6540.4	9027.5	12361.4	12714.9	11939.8
65°	1243.6	1229.4	1251.5	1287.8	1864.0	3597.2	6055.2	9648.9	13528.1	13775.5	12790.9
67.5°	1137.5	1126.9	1136.6	1068.6	945.7	2003.7	4790.4	9806.2	14777.8	14928.1	13536.0
70°	1011.1	998.7	1030.6	972.2	744.2	911.2	3095.2	9235.2	15772.1	16054.1	14102.6
72.5°	823.7	809.6	883.8	857.3	626.6	585.1	1554.7	7878.5	15667.8	16252.9	13696.9
75°	632.8	624.9	713.3	735.4	510.9	460.5	746.0	5856.3	13787.9	14377.4	11804.6
77.5°	491.4	485.2	530.3	610.7	411.9	357.1	458.7	3714.8	10390.4	10493.8	8134.9
80°	368.6	350.9	392.4	472.9	320.8	260.7	311.1	2166.3	6567.8	5953.5	3540.7
82.5°	230.7	221.8	256.3	315.5	226.3	179.4	202.4	1196.7	2632.1	1550.3	683.2
85°	131.7	128.2	139.6	180.3	122.9	103.4	115.8	528.5	480.8	330.6	205.9
87.5°	53.0	51.3	63.6	80.4	45.1	38.0	40.7	127.3	106.1	98.1	68.1
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°	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2	3354.2
2.5°	3363.9	3363.9	3351.5	3332.1	3310.0	3295.8	3272.9	3266.7	3242.8	3235.7	3247.2
5°	3404.6	3397.5	3359.5	3304.7	3229.6	3160.6	3084.6	3036.9	2969.7	2945.8	2963.5
7.5°	3455.8	3436.4	3371.0	3250.8	3093.4	2938.8	2777.9	2655.9	2539.3	2497.7	2503.0
10°	3502.7	3475.3	3363.9	3153.5	2881.3	2613.5	2357.2	2177.8	2041.7	1986.0	1998.4
12.5°	3549.5	3499.1	3317.1	2991.8	2579.9	2216.7	1943.6	1803.9	1720.0	1652.8	1674.9
15°	3593.7	3523.0	3244.6	2775.3	2249.4	1880.8	1679.3	1567.9	1500.8	1456.6	1464.5
17.5°	3645.0	3543.3	3135.9	2500.4	1934.7	1648.4	1484.0	1416.8	1403.5	1398.2	1401.8
20°	3716.5	3561.9	2992.7	2192.8	1703.2	1462.8	1377.9	1371.7	1370.8	1368.2	1377.0
22.5°	3793.4	3584.0	2803.5	1913.5	1506.1	1347.0	1331.9	1319.6	1311.6	1310.7	1320.5
25°	3884.5	3591.0	2566.7	1684.6	1338.1	1292.2	1274.5	1255.9	1250.6	1250.6	1255.9
27.5°	3972.9	3567.2	2290.9	1485.7	1243.6	1241.8	1218.8	1212.6	1211.7	1214.4	1221.5
30°	4061.2	3522.1	2016.9	1301.9	1188.8	1188.8	1180.8	1185.2	1188.8	1197.6	1203.8
32.5°	4180.6	3474.4	1788.0	1165.8	1141.0	1132.2	1140.2	1149.0	1152.5	1164.0	1173.7
35°	4355.6	3440.8	1605.9	1091.5	1091.5	1080.1	1084.5	1082.7	1074.7	1069.4	1081.8
37.5°	4587.1	3439.0	1455.7	1057.1	1050.0	1048.2	1049.1	1037.6	1006.7	969.6	970.5
40°	4865.5	3486.7	1339.9	1033.2	1027.9	1038.5	1033.2	1002.3	917.4	852.9	851.1
42.5°	5239.4	3622.9	1265.7	1004.0	1020.0	1033.2	1012.0	905.1	847.6	804.3	802.5
45°	5679.6	3843.8	1227.7	973.1	1004.9	1020.8	918.3	871.5	825.5	773.4	769.8
47.5°	6178.0	4122.2	1218.8	943.9	971.3	981.1	878.5	857.3	805.2	748.6	744.2
50°	6720.7	4451.9	1242.7	909.5	922.7	889.1	865.3	845.8	791.9	736.2	730.1
52.5°	7282.0	4815.2	1290.4	862.6	874.1	837.0	860.0	843.2	784.0	708.8	703.5
55°	7833.5	5181.1	1336.4	807.8	824.6	790.2	845.0	832.6	747.7	662.9	658.5
57.5°	8393.8	5545.2	1381.4	759.2	776.9	745.1	821.1	804.3	707.1	620.5	618.7
60°	8976.3	5898.7	1402.7	712.4	724.7	703.5	784.8	755.7	661.1	577.1	574.5
62.5°	9521.6	6193.1	1368.2	665.5	673.5	664.6	737.1	698.2	615.2	528.5	527.7
65°	10068.7	6368.1	1262.1	619.6	621.3	616.9	670.0	636.4	561.2	486.1	480.8
67.5°	10564.5	6466.2	1093.3	570.1	565.7	563.9	607.2	569.2	509.1	443.7	438.4
70°	10669.7	6216.9	835.2	511.7	511.7	507.3	538.3	499.4	451.6	398.6	396.8
72.5°	9745.2	5229.7	593.1	445.5	452.5	443.7	469.3	436.6	393.3	358.0	347.3
75°	7858.2	3835.0	431.3	377.4	389.8	374.7	398.6	375.6	338.5	337.6	304.0
77.5°	5399.4	2371.3	312.9	311.1	320.0	300.5	327.9	315.5	281.9	266.9	250.1
80°	2304.2	945.7	228.0	240.4	240.4	222.7	254.5	258.1	228.9	221.8	221.8
82.5°	458.7	268.7	160.0	165.3	155.6	150.3	180.3	199.7	275.8	306.7	307.6
85°	137.9	99.0	96.3	90.2	79.5	80.4	106.1	200.6	247.5	141.4	122.0
87.5°	38.0	24.7	25.6	20.3	16.8	22.1	36.2	152.0	83.1	35.4	30.1
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)