

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: P953432

Luminaire Tested: **GALN-SB7A-727-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7A-727-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

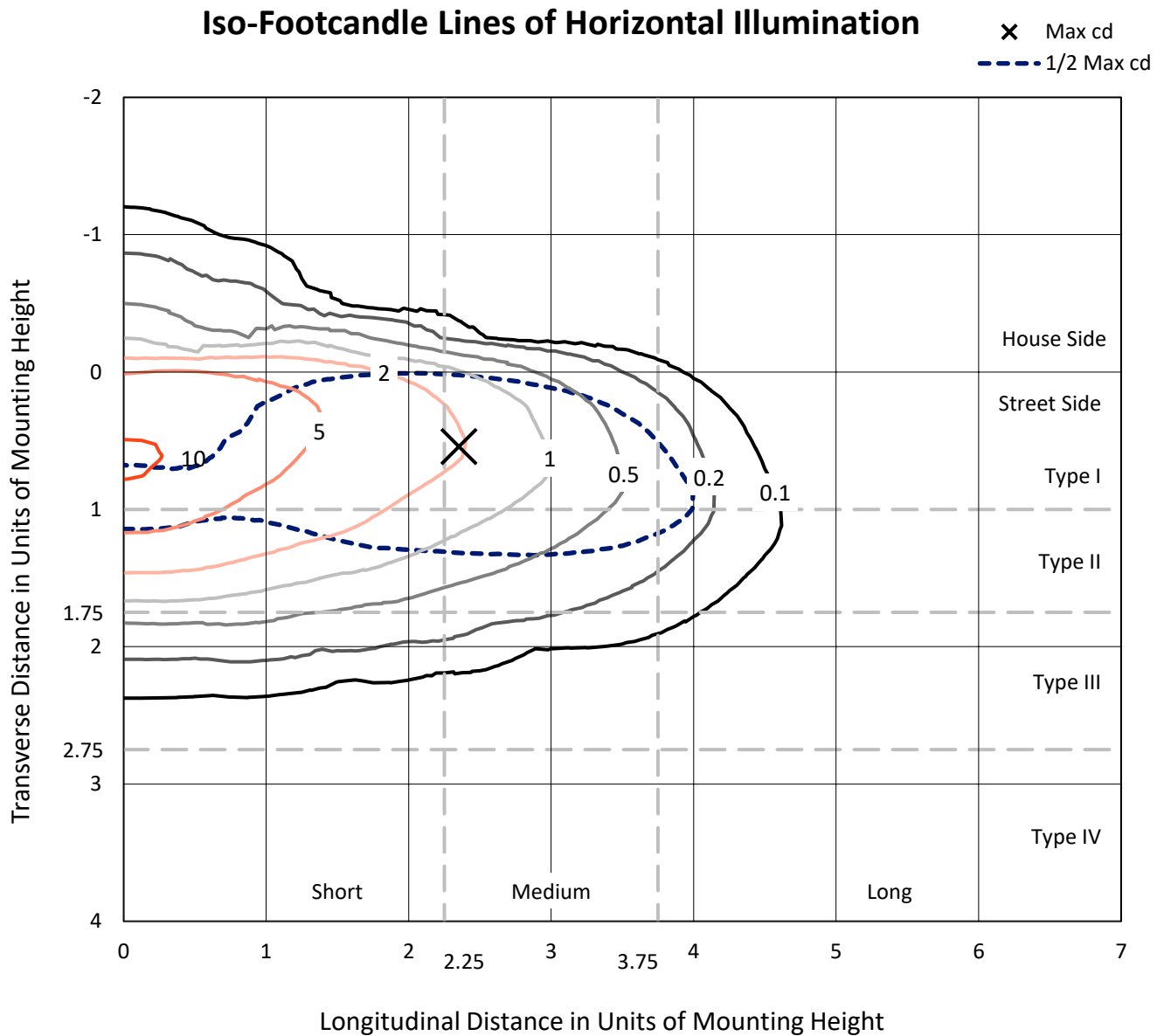
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25053 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 199.1
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

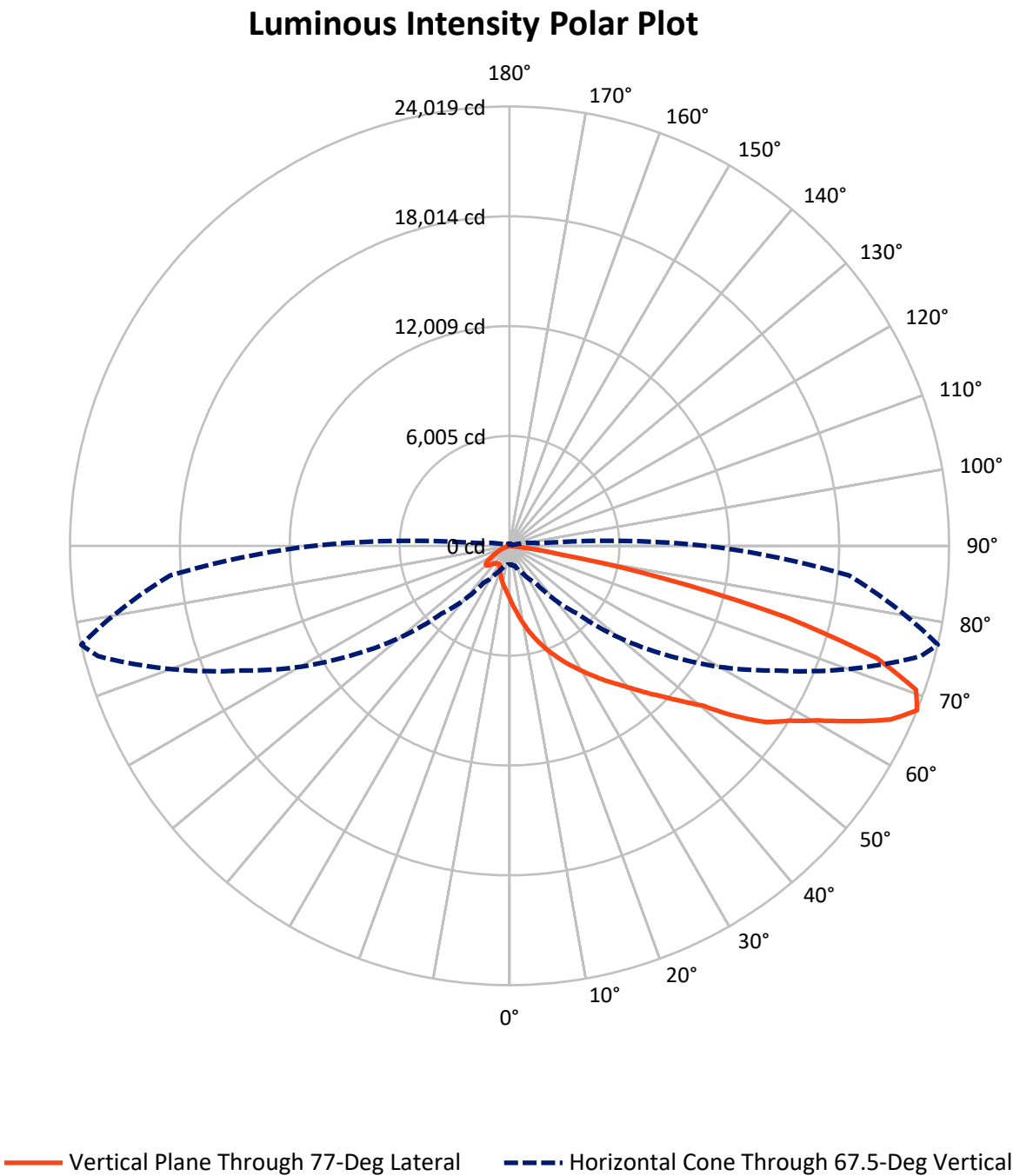


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Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1843.2	0.0	1843.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	23209.8	0.0	23209.8
	% Fixture	92.6	0.0	92.6
Total	Lumens	25053.0	0.0	25053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.9	1.2
10°-20°	1032.6	4.1
20°-30°	1992.6	8.0
30°-40°	3459.3	13.8
40°-50°	5022.7	20.0
50°-60°	5768.0	23.0
60°-70°	5007.7	20.0
70°-80°	2358.7	9.4
80°-90°	116.6	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°	25053.0	100.0
0°-180°	25053.0	100.0

Coefficient of Utilization



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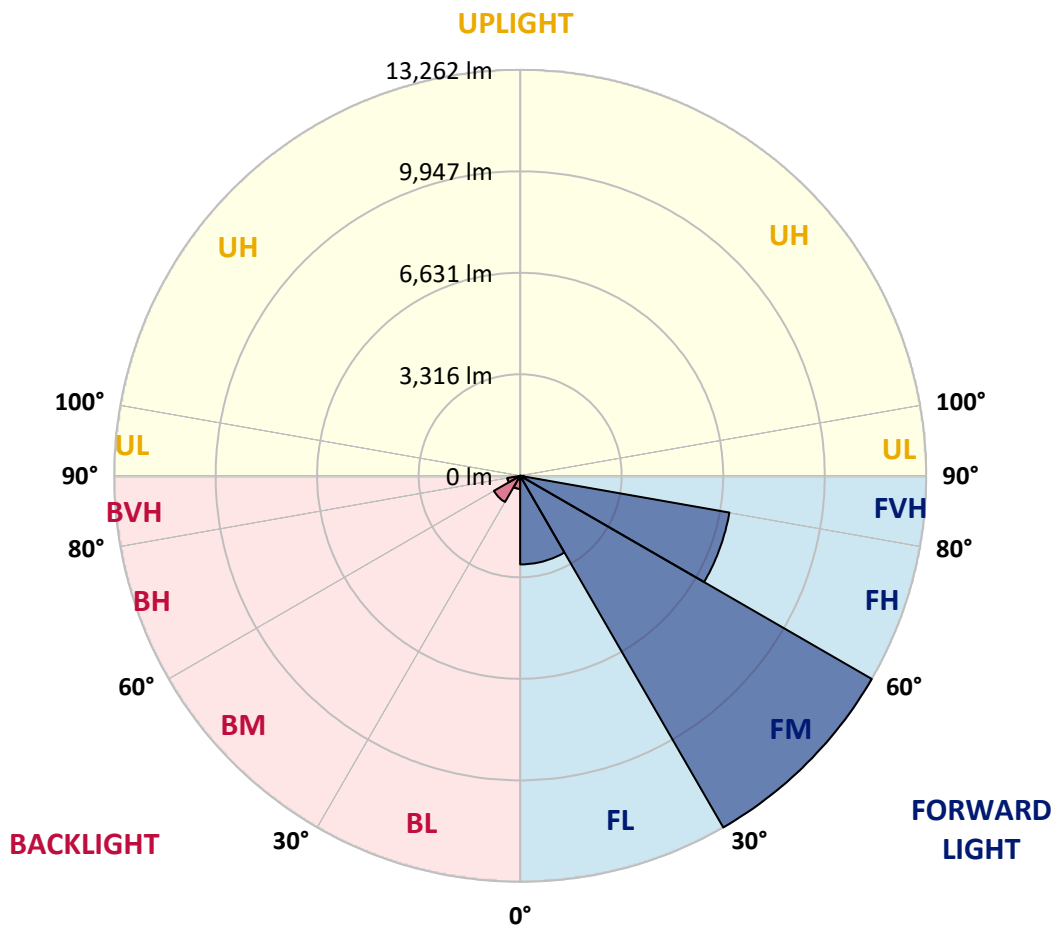
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2893.4	11.5			
FM	(30°-60°)	13262.4	52.9			
FH	(60°-80°)	6939.6	27.7			G3/7500
FVH	(80°-90°)	114.5	0.5			G2/225
BL	(0°-30°)	426.7	1.7	B1/500		
BM	(30°-60°)	987.6	3.9	B1/1000		
BH	(60°-80°)	426.7	1.7	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0
2.5°	3999.8	4024.7	3988.9	3920.4	3817.7	3750.9	3587.5	3433.5	3262.4	3207.9	3036.8
5°	4875.6	4897.4	4857.0	4782.3	4645.4	4514.7	4300.0	3978.0	3643.5	3536.2	3232.8
7.5°	5524.4	5536.8	5521.3	5452.8	5322.1	5174.3	4934.8	4553.6	4057.3	3939.1	3473.9
10°	5991.1	6031.5	6026.9	6000.4	5913.3	5793.5	5538.4	5104.3	4520.9	4368.5	3746.2
12.5°	6300.7	6345.8	6372.2	6431.4	6426.7	6350.5	6126.4	5667.5	4983.0	4804.1	4052.7
15°	6390.9	6439.1	6540.3	6677.2	6798.5	6837.4	6680.3	6219.8	5491.7	5263.0	4366.9
17.5°	6339.6	6414.2	6535.6	6751.8	7017.9	7193.7	7176.6	6753.4	5953.8	5692.4	4675.0
20°	6453.1	6524.7	6619.6	6801.6	7111.2	7430.1	7557.7	7263.7	6412.7	6138.9	4998.5
22.5°	7081.7	7069.2	7078.5	7108.1	7293.2	7609.0	7872.0	7727.3	6867.0	6586.9	5340.8
25°	8077.3	8021.3	7926.4	7766.2	7719.5	7872.0	8145.8	8138.0	7346.1	7045.9	5690.8
27.5°	9219.2	9209.9	8987.4	8601.6	8383.8	8324.7	8455.4	8537.8	7820.6	7500.1	6042.4
30°	10312.9	10337.8	10037.5	9608.2	9208.3	8976.5	8858.3	8917.4	8302.9	7990.2	6404.9
32.5°	11265.0	11291.4	10964.7	10462.2	9967.5	9687.5	9438.6	9292.3	8828.7	8488.0	6803.2
35°	12069.3	12095.8	11720.8	11165.4	10638.0	10384.5	10102.9	9703.0	9357.7	9040.3	7246.6
37.5°	12788.0	12780.3	12277.8	11717.7	11199.7	10999.0	10851.2	10208.7	9902.2	9595.7	7738.2
40°	13212.8	13245.4	12816.1	12198.4	11695.9	11549.7	11540.4	10835.6	10530.7	10233.6	8276.5
42.5°	13337.2	13394.8	13083.6	12576.5	12120.6	11962.0	12206.2	11513.9	11261.9	10972.5	8884.7
45°	13113.2	13169.2	13027.6	12676.0	12410.0	12307.3	12778.7	12217.1	12042.9	11756.6	9570.8
47.5°	12459.8	12529.8	12564.0	12489.4	12486.2	12590.5	13292.1	12957.6	12970.1	12677.6	10365.8
50°	11195.0	11313.2	11627.5	11892.0	12301.1	12814.5	13791.5	13760.4	14015.5	13763.5	11401.9
52.5°	8895.6	9063.6	10146.4	10869.8	11789.3	12772.5	14340.7	15048.5	15849.7	15481.0	12862.7
55°	7148.6	7148.6	8029.1	9382.6	10790.5	12495.6	14580.2	15885.5	17099.0	17011.8	13891.1
57.5°	5827.7	5897.7	6459.4	7655.7	9345.2	11835.9	14728.0	16411.3	18105.5	18041.7	14896.1
60°	3596.8	3747.7	4808.7	5989.5	7700.8	10661.4	14634.7	16943.4	19326.8	19378.1	16106.4
62.5°	2025.6	2081.6	2554.5	4309.4	5988.0	9082.3	13920.6	17240.5	20888.7	21106.5	17354.1
65°	1398.6	1426.6	1608.6	2682.1	4150.7	7231.0	12525.1	17055.4	22453.8	22894.0	18412.0
67.5°	1015.9	1029.9	1143.5	1638.2	2462.7	5242.8	10337.8	16122.0	23283.0	24018.8	18614.2
70°	781.0	790.3	872.8	1076.6	1454.6	3235.9	7507.9	14266.0	22682.5	23561.4	17578.1
72.5°	634.7	644.1	707.9	796.5	964.5	1913.5	4550.5	11585.5	20031.5	20980.5	14964.5
75°	535.2	547.6	605.2	662.7	756.1	1229.0	2134.5	8068.0	15064.1	15686.4	10406.2
77.5°	297.1	273.8	491.6	549.2	637.8	777.9	998.8	4748.1	8436.7	8609.4	4617.4
80°	185.1	191.4	390.5	441.8	490.1	392.0	457.4	1828.0	2924.8	2778.5	894.5
82.5°	10.9	24.9	300.3	318.9	336.0	168.0	172.7	620.7	704.7	647.2	158.7
85°	0.0	0.0	136.9	110.5	116.7	48.2	49.8	144.7	94.9	102.7	31.1
87.5°	0.0	0.0	0.0	3.1	0.0	4.7	9.3	12.4	4.7	6.2	10.9
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°	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0	2889.0
2.5°	2927.9	2819.0	2598.1	2381.8	2206.0	2042.7	1926.0	1815.5	1759.5	1756.4	1753.3
5°	3016.5	2787.9	2346.0	1955.5	1641.3	1389.3	1225.9	1109.2	1050.1	1029.9	1026.8
7.5°	3141.0	2797.2	2125.1	1582.2	1211.9	995.7	902.3	865.0	852.5	838.5	835.4
10°	3298.1	2819.0	1927.5	1274.1	955.2	846.3	809.0	793.4	784.1	774.8	771.6
12.5°	3473.9	2839.2	1731.5	1057.9	840.1	784.1	757.6	739.0	726.5	715.6	712.5
15°	3645.1	2851.6	1527.7	907.0	781.0	735.9	707.9	687.6	670.5	658.1	656.5
17.5°	3814.6	2868.8	1336.4	816.8	732.7	687.6	659.6	634.7	620.7	606.7	605.2
20°	4002.9	2865.6	1155.9	753.0	684.5	639.4	609.8	586.5	572.5	556.9	555.4
22.5°	4177.1	2850.1	997.2	698.5	634.7	591.2	558.5	535.2	521.2	508.7	507.2
25°	4377.8	2837.6	865.0	648.7	588.1	544.5	508.7	486.9	471.4	460.5	458.9
27.5°	4570.7	2819.0	768.5	603.6	542.9	500.9	466.7	441.8	427.8	420.0	420.0
30°	4760.5	2814.3	732.7	560.1	502.5	460.5	426.3	402.9	392.0	388.9	387.4
32.5°	4989.2	2826.8	748.3	544.5	465.2	423.2	390.5	373.4	362.5	362.5	362.5
35°	5233.5	2823.6	771.6	558.5	440.3	385.8	360.9	350.0	339.1	339.1	339.1
37.5°	5539.9	2828.3	790.3	581.8	430.9	354.7	340.7	326.7	320.5	320.5	320.5
40°	5997.3	2982.3	781.0	602.1	427.8	332.9	304.9	300.3	295.6	295.6	295.6
42.5°	6557.4	3316.8	793.4	603.6	426.3	317.4	280.0	289.4	278.5	276.9	275.4
45°	7170.3	3682.4	872.8	571.0	424.7	309.6	267.6	278.5	261.4	261.4	261.4
47.5°	7778.6	4044.9	953.7	524.3	420.0	308.0	256.7	250.5	245.8	247.4	247.4
50°	8617.2	4340.5	984.8	460.5	409.2	304.9	236.5	238.0	234.9	238.0	238.0
52.5°	9530.4	4402.7	947.4	388.9	378.0	295.6	222.5	228.7	227.1	230.2	230.2
55°	10099.8	4335.8	782.5	323.6	329.8	258.3	208.5	220.9	220.9	220.9	220.9
57.5°	10687.8	4051.1	555.4	262.9	273.8	211.6	196.0	213.1	211.6	210.0	210.0
60°	11111.0	3590.6	365.6	216.2	217.8	174.2	182.0	200.7	199.1	191.4	191.4
62.5°	11426.8	3081.9	234.9	183.6	166.5	157.1	166.5	182.0	175.8	158.7	155.6
65°	11391.0	2377.1	180.5	157.1	136.9	136.9	144.7	158.7	140.0	112.0	108.9
67.5°	10726.7	1608.6	149.3	132.2	115.1	113.6	119.8	132.2	119.8	94.9	91.8
70°	9539.7	1051.7	119.8	102.7	91.8	84.0	96.5	113.6	101.1	76.2	73.1
72.5°	7742.8	641.0	90.2	74.7	66.9	54.5	76.2	93.3	80.9	56.0	52.9
75°	5009.4	326.7	62.2	48.2	35.8	32.7	56.0	70.0	56.0	34.2	29.6
77.5°	1916.7	136.9	34.2	21.8	18.7	15.6	31.1	42.0	23.3	7.8	6.2
80°	368.7	57.6	17.1	10.9	9.3	6.2	4.7	3.1	0.0	0.0	0.0
82.5°	63.8	18.7	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.8	0.0	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)