

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635192

Luminaire Tested: GWS-SA3D-730-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-730-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

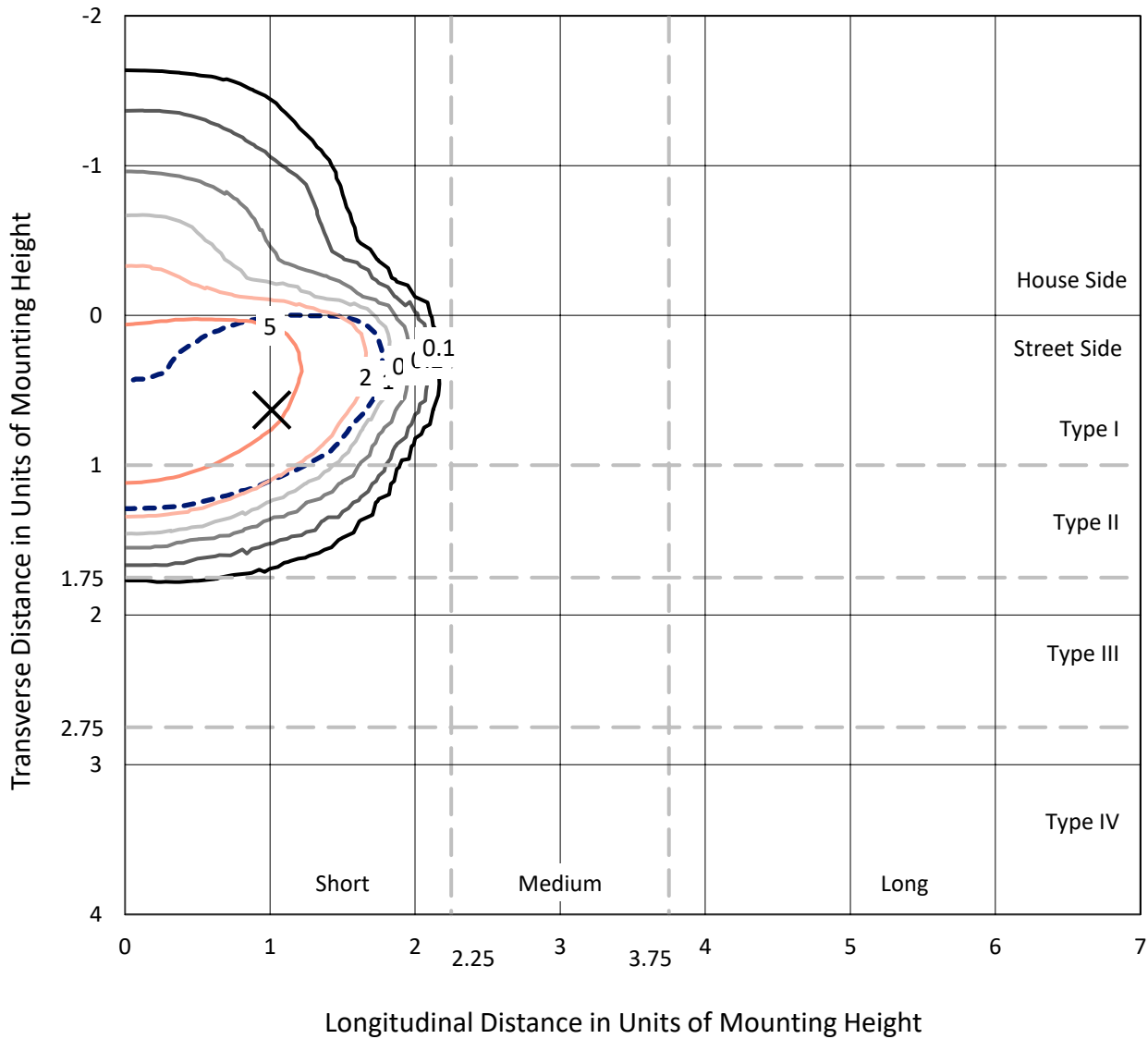
Lumens per Lamp: N/A  
Luminaire Lumens: 10742.4 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

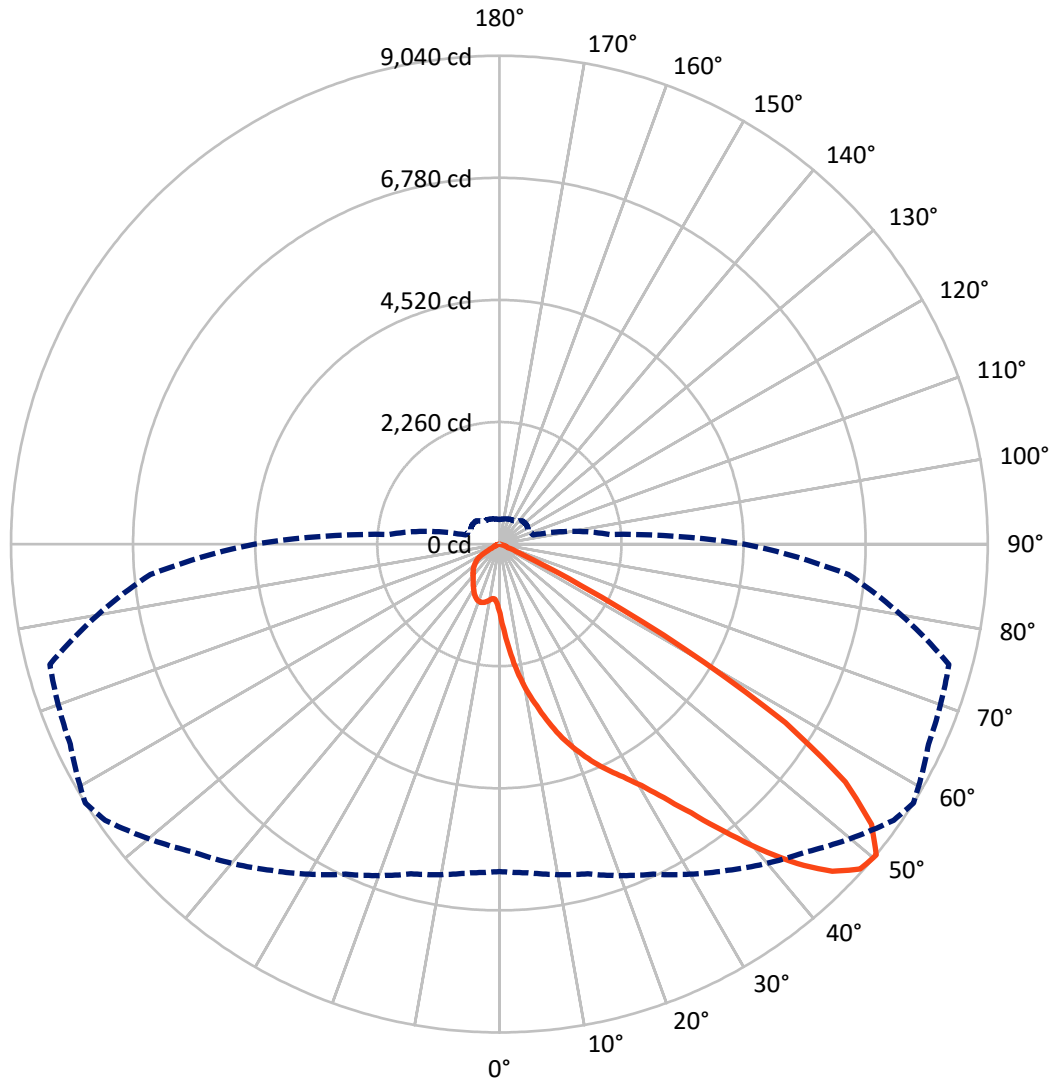
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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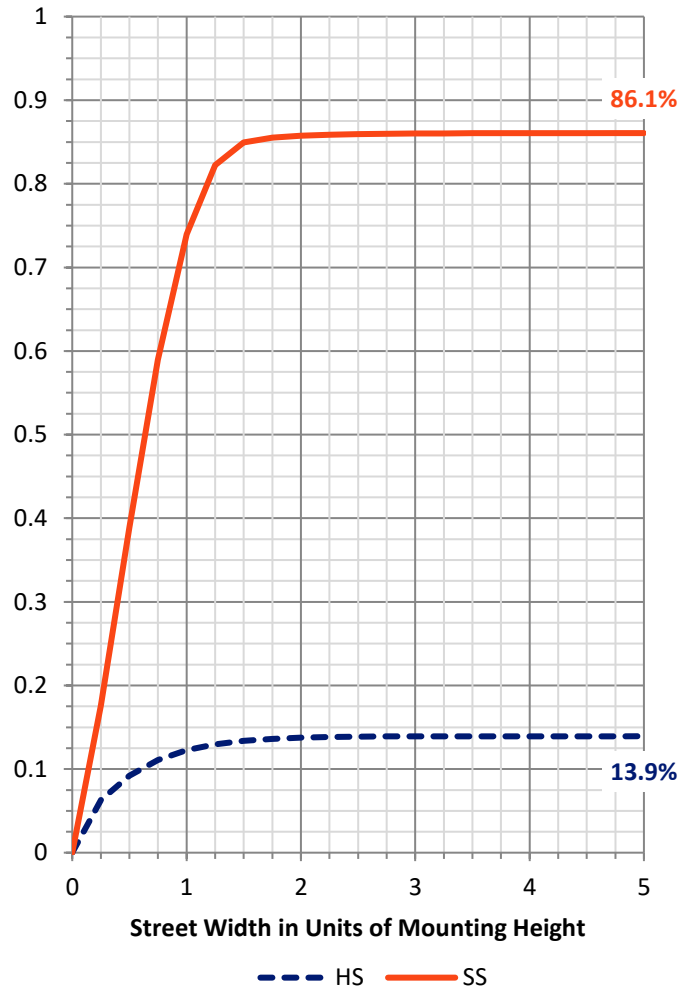
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1504.6	0.0	1504.6
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	9237.8	0.0	9237.8
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	10742.4	0.0	10742.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.0	1.5
10°-20°	629.3	5.9
20°-30°	1273.4	11.9
30°-40°	2252.8	21.0
40°-50°	3284.1	30.6
50°-60°	2632.3	24.5
60°-70°	474.2	4.4
70°-80°	37.4	0.3
80°-90°	0.0	0.0
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°	10742.4	100.0
0°-180°	10742.4	100.0

**Coefficient of Utilization**



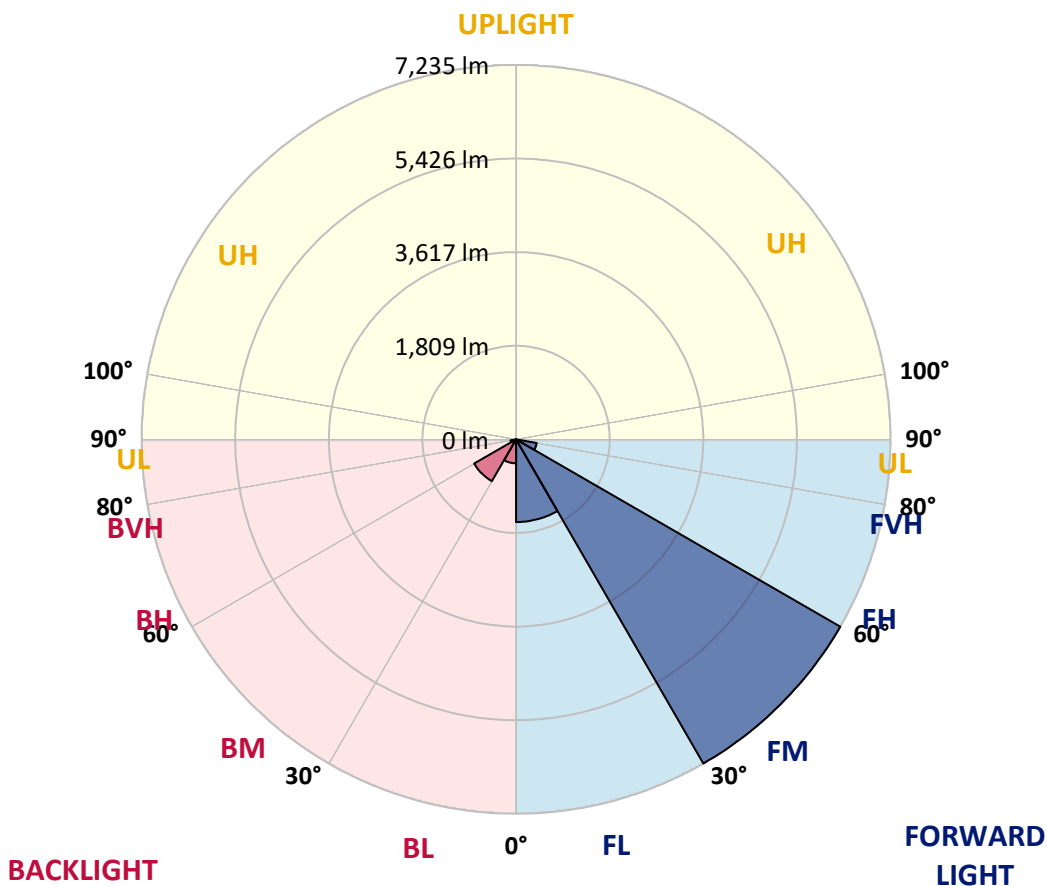
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1598.4	14.9			
FM (30°-60°)	7234.7	67.3			
FH (60°-80°)	404.7	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	463.2	4.3	B1/500		
BM (30°-60°)	934.4	8.7	B1/1000		
BH (60°-80°)	106.9	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1898.9	1869.0	1851.8	1838.0	1777.1	1680.6	1617.4	1584.1	1529.0	1435.9	1355.5
5°	2477.9	2456.0	2415.8	2388.3	2310.1	2173.4	2032.2	1975.9	1850.6	1640.4	1452.0
7.5°	2861.6	2845.5	2830.5	2793.8	2720.3	2596.2	2440.0	2381.4	2188.4	1889.7	1580.7
10°	3156.8	3144.1	3126.9	3125.8	3068.3	2956.9	2804.1	2743.2	2534.2	2160.8	1732.3
12.5°	3416.4	3406.1	3402.6	3434.8	3398.0	3315.3	3149.9	3074.1	2852.4	2437.7	1900.0
15°	3594.5	3592.2	3607.1	3670.3	3691.0	3653.0	3514.0	3432.5	3177.5	2715.7	2085.0
17.5°	3676.0	3682.9	3711.6	3820.8	3912.7	3944.8	3838.0	3769.1	3500.3	2997.1	2282.6
20°	3815.0	3812.7	3830.0	3933.3	4045.9	4160.8	4128.6	4070.0	3826.5	3294.6	2502.0
22.5°	4206.7	4173.4	4136.7	4152.8	4193.0	4327.4	4387.1	4357.2	4163.1	3600.2	2728.3
25°	4808.7	4774.2	4655.9	4541.0	4465.2	4526.1	4607.7	4622.6	4497.4	3913.8	2964.9
27.5°	5447.4	5416.4	5283.1	5110.8	4893.7	4788.0	4848.9	4878.8	4825.9	4287.2	3216.5
30°	6045.9	6004.6	5858.7	5645.0	5393.4	5231.4	5162.5	5183.2	5214.2	4729.4	3511.7
32.5°	6565.1	6534.1	6359.5	6134.4	5892.0	5723.1	5562.3	5596.7	5672.6	5270.5	3889.7
35°	7005.1	6989.0	6804.1	6580.1	6323.9	6237.7	6099.9	6106.8	6182.6	5924.1	4350.3
37.5°	7387.7	7360.1	7192.4	6984.4	6781.1	6767.3	6729.4	6732.9	6771.9	6685.8	4879.9
40°	7628.9	7603.6	7484.1	7355.5	7210.7	7213.0	7409.5	7424.4	7379.6	7433.6	5439.4
42.5°	7719.6	7701.3	7636.9	7638.1	7623.1	7690.9	8059.7	8087.2	7926.4	8020.6	5917.2
45°	7562.3	7554.2	7558.8	7724.2	7903.4	8112.5	8591.6	8639.8	8412.3	8410.0	6290.6
47.5°	7054.5	7038.4	7172.8	7454.3	7869.0	8275.6	8913.2	8987.9	8752.4	8632.9	6524.9
50°	6059.7	6105.6	6318.2	6740.9	7371.6	8051.6	8909.8	9039.6	8765.0	8613.4	6485.9
52.5°	4389.4	4380.2	4845.5	5426.7	6194.1	7334.8	8436.5	8626.0	8458.3	8421.5	6398.6
55°	2388.3	2472.1	2785.7	3555.4	4513.5	5978.1	7355.5	7769.0	7963.2	8351.5	6556.0
57.5°	877.7	914.4	1110.8	1655.4	2389.4	3717.4	5618.6	6242.3	6842.0	8156.2	6529.5
60°	353.8	360.7	438.8	608.8	1004.0	1892.0	3370.5	3924.2	4489.3	6243.5	5010.9
62.5°	257.3	266.5	297.5	356.1	507.8	827.1	1453.2	1689.8	1847.2	3092.5	2468.7
65°	207.9	214.8	240.1	266.5	335.4	444.6	468.7	451.5	449.2	799.5	566.3
67.5°	172.3	179.2	197.6	216.0	241.2	221.7	160.8	168.9	137.9	136.7	111.4
70°	126.4	134.4	152.8	172.3	144.7	59.7	93.0	137.9	104.5	87.3	85.0
72.5°	95.3	101.1	118.3	112.6	42.5	23.0	62.0	99.9	80.4	64.3	63.2
75°	71.2	74.7	59.7	18.4	4.6	5.7	23.0	41.4	44.8	36.8	36.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.4	4.6	5.7	6.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1309.6	1261.3	1192.4	1135.0	1091.3	1048.8	1016.6	984.5	983.3	967.3	963.8
5°	1364.7	1277.4	1151.1	1060.3	1005.2	971.8	948.9	937.4	931.6	925.9	923.6
7.5°	1444.0	1318.8	1144.2	1047.7	1001.7	979.9	963.8	956.9	953.5	948.9	947.7
10°	1541.6	1378.5	1169.4	1071.8	1031.6	1010.9	993.7	983.3	977.6	969.6	967.3
12.5°	1658.8	1452.0	1209.6	1112.0	1069.5	1041.9	1018.9	1004.0	996.0	985.6	983.3
15°	1785.2	1531.3	1254.4	1148.8	1098.2	1062.6	1033.9	1010.9	996.0	983.3	979.9
17.5°	1916.1	1611.7	1294.6	1174.0	1112.0	1069.5	1028.1	997.1	978.7	962.7	958.1
20°	2063.2	1694.4	1321.1	1178.6	1107.4	1051.1	1002.9	963.8	945.4	923.6	919.0
22.5°	2217.1	1771.4	1332.6	1168.3	1082.1	1016.6	965.0	924.7	898.3	875.4	868.5
25°	2366.4	1840.3	1326.8	1139.6	1044.2	968.4	915.6	874.2	845.5	822.5	816.8
27.5°	2525.0	1897.7	1306.1	1097.1	992.5	915.6	865.0	829.4	803.0	777.7	772.0
30°	2703.0	1950.6	1272.8	1045.4	931.6	861.6	822.5	798.4	769.7	743.2	735.2
32.5°	2917.8	1997.7	1224.6	983.3	877.7	814.5	792.6	774.3	740.9	713.4	707.6
35°	3163.7	2036.7	1163.7	919.0	824.8	784.6	780.0	755.9	712.2	680.1	673.2
37.5°	3448.6	2074.7	1091.3	855.8	785.7	770.8	772.0	730.6	677.8	638.7	634.1
40°	3755.3	2112.6	1010.9	800.7	750.1	762.8	752.4	693.8	607.7	569.8	565.2
42.5°	4074.6	2153.9	929.3	749.0	720.3	731.8	716.8	620.3	558.3	538.8	536.5
45°	4363.0	2203.3	840.9	697.3	690.4	687.0	661.7	561.7	535.3	521.5	520.4
47.5°	4570.9	2195.3	746.7	647.9	658.2	646.8	569.8	534.2	512.3	494.0	489.4
50°	4533.0	2055.1	649.0	592.8	616.9	606.5	512.3	502.0	482.5	462.9	456.1
52.5°	4436.5	1864.4	564.0	534.2	572.1	548.0	473.3	462.9	445.7	420.4	412.4
55°	4488.2	1685.2	497.4	487.1	526.1	453.8	429.6	413.6	395.2	367.6	364.2
57.5°	4321.6	1375.1	399.8	406.7	465.2	387.1	376.8	351.5	320.5	302.1	299.8
60°	2991.4	738.7	250.4	258.5	336.6	325.1	337.7	314.8	276.9	259.6	256.2
62.5°	1373.9	296.4	136.7	131.0	176.9	220.6	289.5	287.2	240.1	212.5	210.2
65°	333.1	135.6	97.6	91.9	99.9	132.1	188.4	226.3	194.1	162.0	158.5
67.5°	108.0	110.3	89.6	83.9	88.5	98.8	112.6	125.2	124.1	113.7	111.4
70°	86.2	99.9	82.7	75.8	75.8	79.3	75.8	60.9	52.8	57.4	59.7
72.5°	64.3	75.8	65.5	58.6	56.3	55.1	47.1	34.5	24.1	21.8	20.7
75°	37.9	42.5	40.2	34.5	32.2	28.7	23.0	14.9	8.0	5.7	3.4
77.5°	6.9	8.0	9.2	6.9	5.7	4.6	3.4	1.1	0.0	0.0	0.0
80°	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)