

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: P634308

Luminaire Tested: GWS-SA3B-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6178.5 lumens
Efficiency: N/A
Efficacy: 90.5 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

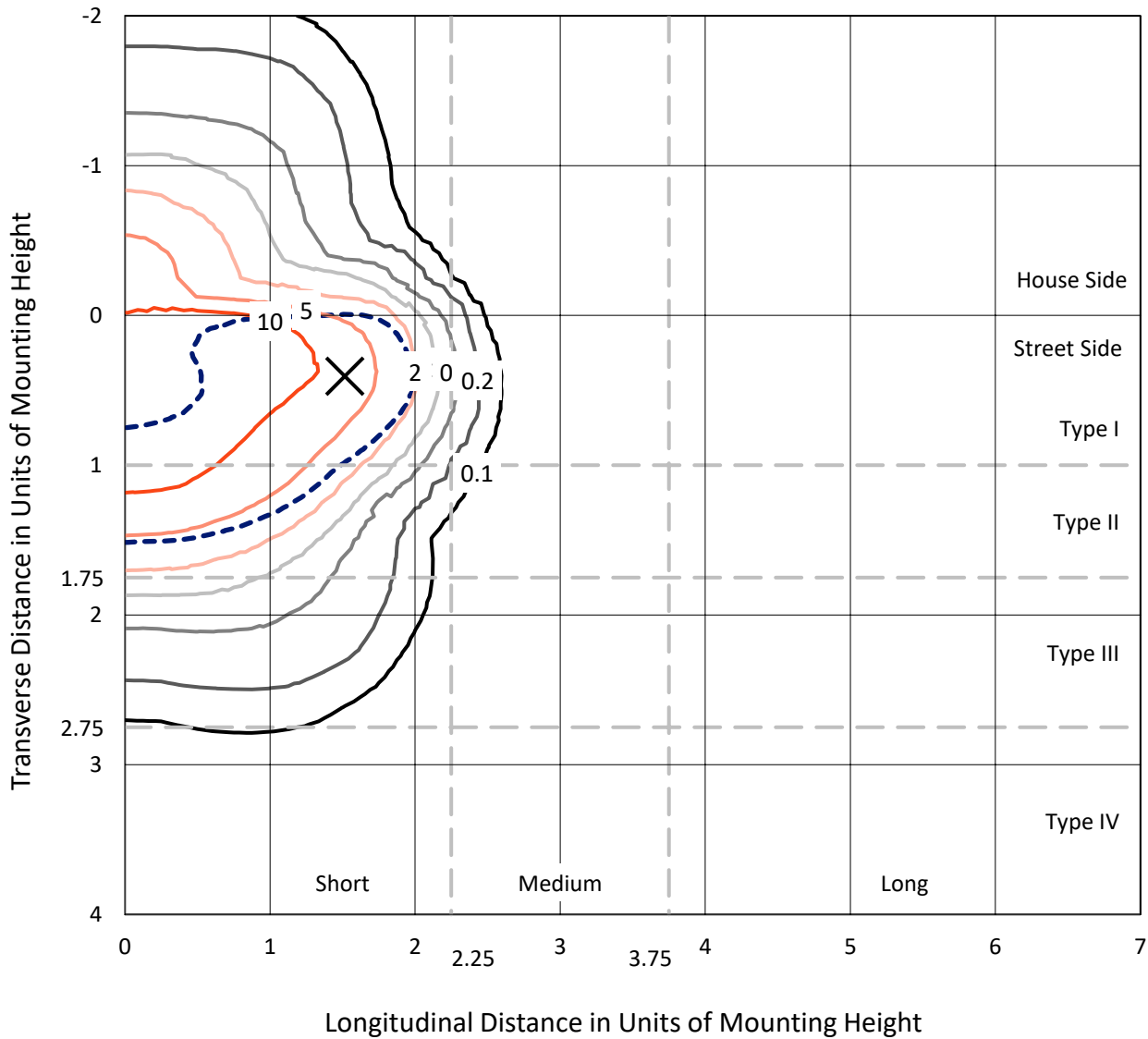
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

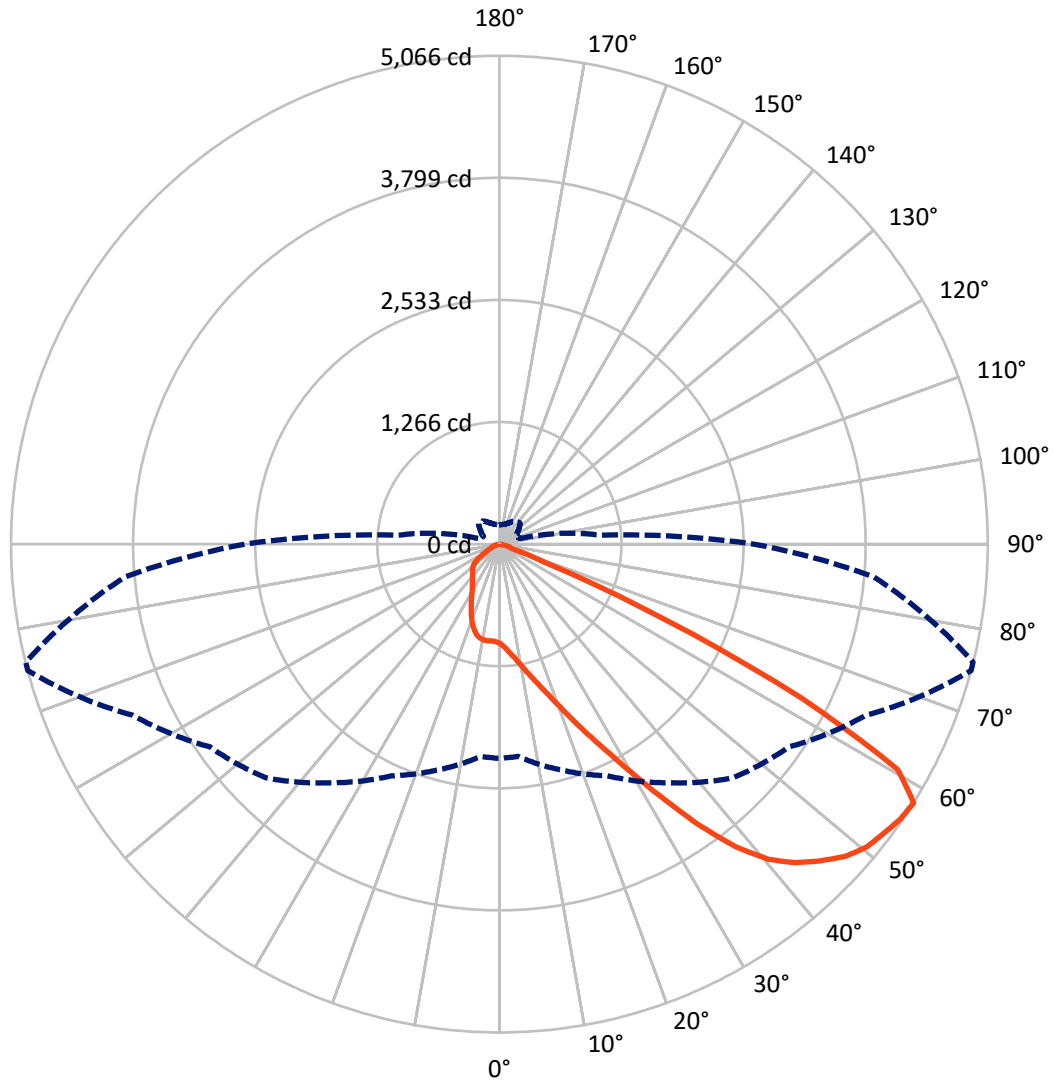
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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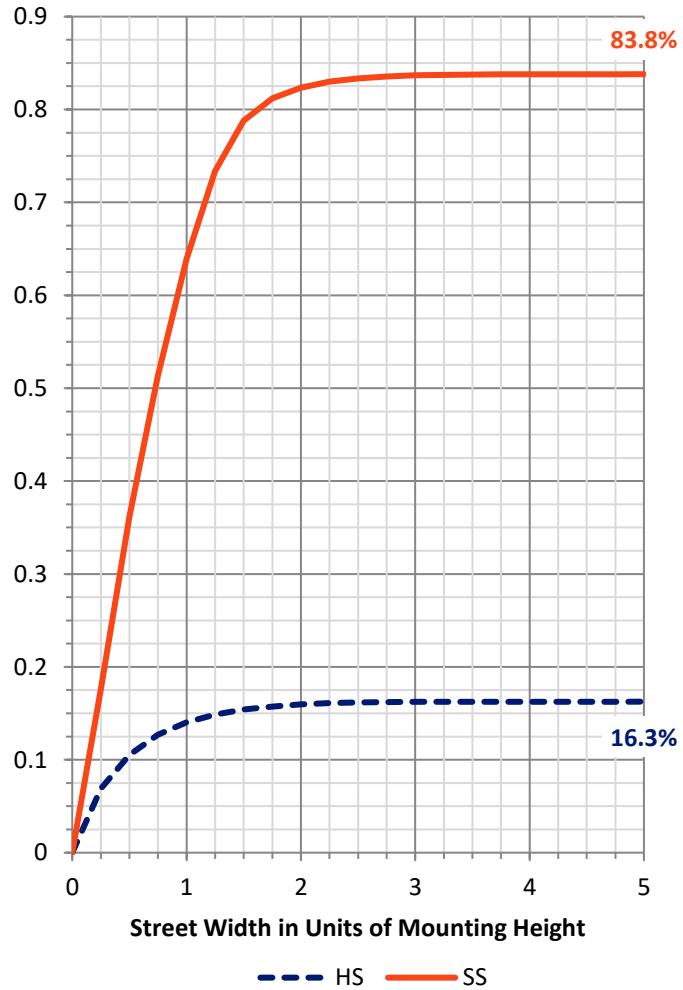
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.2	0.0	1009.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5169.3	0.0	5169.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	6178.5	0.0	6178.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	1.7
10°-20°	340.6	5.5
20°-30°	623.8	10.1
30°-40°	1034.9	16.8
40°-50°	1580.6	25.6
50°-60°	1776.0	28.7
60°-70°	655.1	10.6
70°-80°	62.6	1.0
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°	6178.5	100.0
0°-180°	6178.5	100.0

Coefficient of Utilization



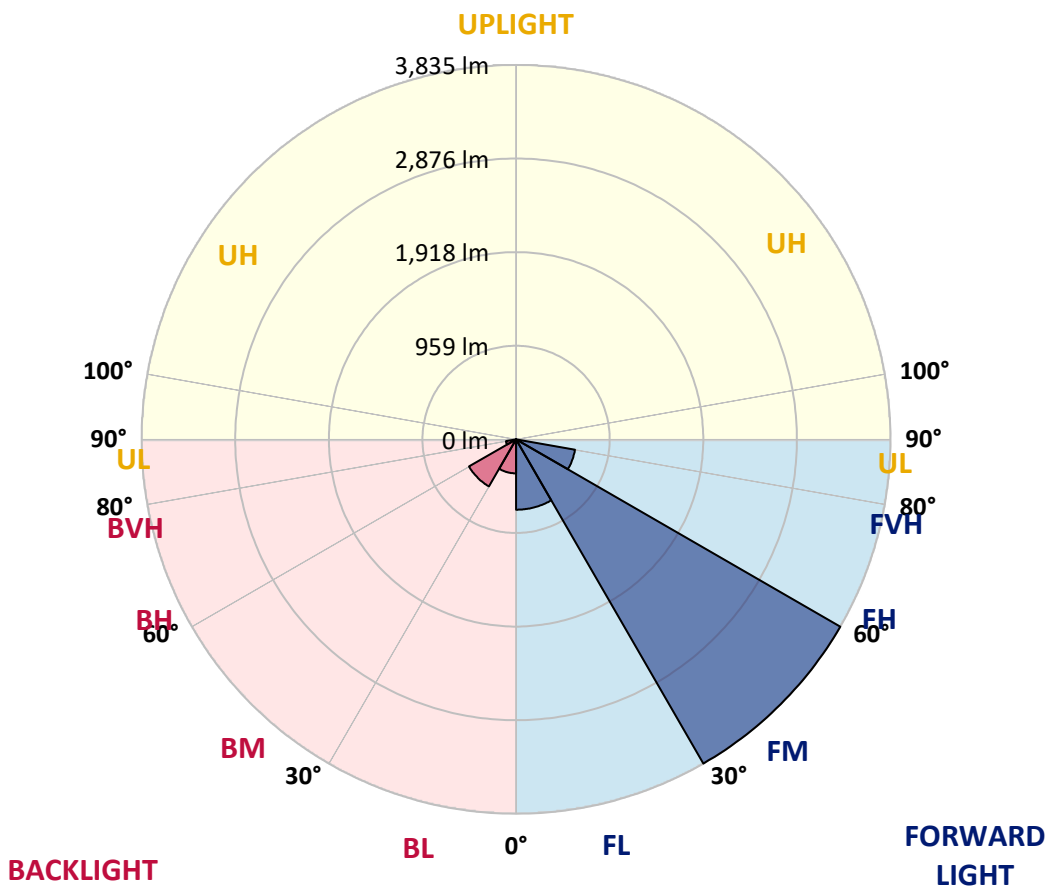
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.0	11.7			
FM (30°-60°)	3835.3	62.1			
FH (60°-80°)	612.9	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	348.3	5.6	B1/500		
BM (30°-60°)	556.2	9.0	B1/1000		
BH (60°-80°)	104.8	1.7	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°	65°	75°	76°	85°
0°	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5
2.5°	1151.3	1163.2	1159.5	1152.0	1147.6	1131.9	1122.2	1093.9	1073.7	1071.5	1052.9
5°	1296.7	1294.4	1291.5	1282.5	1275.1	1250.5	1221.4	1173.7	1131.2	1125.9	1086.4
7.5°	1376.5	1378.0	1379.5	1378.0	1372.7	1354.1	1322.0	1266.1	1201.2	1196.8	1134.1
10°	1409.3	1412.3	1419.7	1433.9	1446.6	1445.1	1426.4	1369.0	1289.2	1281.8	1197.5
12.5°	1424.9	1428.7	1440.6	1467.4	1501.7	1528.6	1531.6	1480.1	1392.1	1380.2	1272.8
15°	1446.6	1450.3	1465.2	1500.2	1550.2	1603.1	1637.4	1604.6	1506.2	1493.5	1355.6
17.5°	1456.3	1461.5	1483.1	1529.3	1594.2	1675.5	1753.0	1750.0	1641.2	1631.5	1451.8
20°	1474.9	1478.6	1498.0	1548.0	1626.3	1743.3	1873.8	1920.8	1806.0	1791.8	1568.1
22.5°	1533.8	1535.3	1544.2	1575.6	1648.6	1792.5	1996.8	2119.9	2000.6	1981.9	1698.6
25°	1630.0	1629.2	1633.0	1638.2	1691.9	1842.5	2115.4	2344.3	2223.5	2203.4	1846.2
27.5°	1752.3	1752.3	1761.2	1746.3	1767.9	1904.4	2232.5	2602.3	2483.0	2454.7	2008.0
30°	1896.2	1895.4	1916.3	1892.5	1899.2	2002.1	2358.5	2883.4	2796.2	2761.1	2194.4
32.5°	2091.5	2087.1	2110.9	2078.1	2055.8	2149.7	2512.1	3177.2	3171.2	3117.6	2428.6
35°	2338.4	2330.9	2338.4	2306.3	2266.0	2356.3	2713.4	3470.3	3587.3	3530.7	2707.5
37.5°	2583.7	2607.5	2615.7	2560.6	2527.8	2618.0	2955.8	3732.7	3984.8	3925.8	2997.5
40°	2873.0	2865.5	2893.9	2832.0	2811.1	2911.0	3192.9	3928.1	4299.4	4243.5	3255.5
42.5°	3086.2	3099.7	3134.7	3100.4	3084.0	3178.0	3392.0	4042.2	4517.9	4462.7	3439.7
45°	3342.0	3351.7	3365.1	3336.8	3319.6	3412.1	3535.9	4092.1	4684.2	4624.5	3563.5
47.5°	3618.6	3626.1	3626.1	3567.9	3512.8	3550.8	3632.1	4120.5	4837.0	4779.6	3655.2
50°	3817.0	3820.7	3853.5	3812.5	3692.5	3633.6	3676.1	4148.0	4938.4	4884.8	3685.0
52.5°	3641.0	3636.5	3744.7	3829.7	3861.7	3744.7	3752.1	4188.3	4987.7	4941.4	3708.9
55°	3066.1	3058.7	3210.8	3417.3	3699.9	3849.8	3843.8	4212.2	5042.1	5013.7	3795.4
57.5°	2222.8	2210.1	2421.9	2651.5	3022.1	3428.5	3667.1	4198.8	5065.9	5063.7	3896.0
60°	1336.2	1325.8	1525.6	1767.2	2053.5	2462.1	2858.1	3761.1	4746.8	4751.3	3634.3
62.5°	822.5	832.1	1012.6	1135.6	1242.3	1365.3	1594.2	2530.0	3516.5	3545.6	2553.8
65°	553.3	560.7	727.8	882.8	882.8	721.8	619.6	1209.4	1876.1	1826.8	1208.0
67.5°	371.3	379.5	511.5	692.7	718.8	503.3	251.3	360.9	522.7	507.0	299.0
70°	218.5	227.4	340.8	475.0	523.4	350.5	167.8	152.9	148.4	143.9	116.3
72.5°	97.7	101.4	173.7	241.6	220.7	147.6	118.6	122.3	115.6	113.3	94.7
75°	29.8	31.3	44.7	52.2	52.9	52.9	71.6	96.2	91.0	91.7	73.1
77.5°	7.5	7.5	11.9	11.2	6.0	5.2	13.4	21.6	22.4	20.1	14.9
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5	1030.5
2.5°	1044.7	1025.3	1012.6	994.7	982.0	968.6	956.7	947.0	941.8	940.3	941.0
5°	1068.5	1037.9	1008.1	973.8	950.0	927.6	909.7	895.5	888.8	886.6	886.6
7.5°	1105.1	1062.6	1009.6	955.9	915.7	880.6	859.7	844.1	838.1	836.6	832.1
10°	1152.8	1094.6	1007.4	923.9	867.2	830.7	815.7	811.3	813.5	814.2	813.5
12.5°	1210.2	1128.2	993.2	876.9	815.7	793.4	794.9	806.8	820.2	826.9	828.4
15°	1271.3	1158.7	961.1	821.0	771.7	771.0	792.6	820.2	846.3	857.5	860.5
17.5°	1339.9	1183.3	911.9	761.3	733.7	755.3	794.1	836.6	871.7	890.3	894.0
20°	1415.2	1203.5	849.3	705.4	700.2	738.9	792.6	844.8	888.1	908.9	912.7
22.5°	1493.5	1217.6	777.0	653.9	669.6	720.3	778.5	829.2	870.2	894.0	897.0
25°	1583.0	1219.1	703.1	610.7	641.3	694.9	744.2	785.9	820.2	841.1	843.3
27.5°	1661.3	1201.2	637.5	575.6	615.2	663.6	696.4	719.6	743.4	755.3	756.1
30°	1751.5	1169.9	575.6	547.3	588.3	624.9	641.3	646.5	648.7	651.0	648.0
32.5°	1858.9	1131.9	529.4	519.7	557.7	582.4	586.8	576.4	563.7	545.8	541.3
35°	1990.9	1097.6	491.4	492.9	524.2	539.1	535.4	513.0	488.4	466.8	463.0
37.5°	2134.0	1068.5	462.3	466.8	487.7	498.1	486.9	462.3	451.1	432.5	433.2
40°	2260.8	1044.7	436.2	440.7	450.4	460.1	442.2	425.8	446.6	445.2	446.6
42.5°	2351.0	1024.5	413.8	411.6	418.3	425.0	411.6	403.4	438.4	428.7	434.0
45°	2404.0	1005.9	395.2	381.8	392.2	404.1	395.2	384.8	396.7	351.9	348.2
47.5°	2439.8	995.4	378.8	352.7	371.3	392.2	373.6	348.2	331.1	292.3	289.3
50°	2443.5	990.2	359.4	322.9	346.7	369.1	347.5	312.4	287.8	270.7	268.4
52.5°	2462.9	1000.7	332.6	284.8	310.9	346.7	331.8	296.8	263.2	248.3	245.3
55°	2549.4	1044.7	287.8	232.6	270.7	329.6	319.1	264.7	232.6	223.7	221.5
57.5°	2638.9	1053.6	226.7	184.2	235.6	305.0	291.5	243.8	212.5	202.1	199.8
60°	2412.9	867.9	170.0	152.1	208.0	281.9	269.9	231.2	194.6	181.9	179.7
62.5°	1585.3	469.0	135.0	129.0	175.2	238.6	246.1	208.8	173.7	160.3	159.6
65°	730.7	217.7	103.6	102.2	137.2	190.1	211.8	182.7	146.9	135.0	135.0
67.5°	199.1	108.1	81.3	75.3	93.2	127.5	154.3	136.5	104.4	90.2	89.5
70°	99.2	87.2	73.1	64.9	67.1	79.0	91.0	76.1	52.9	43.2	42.5
72.5°	81.3	71.6	61.9	55.2	50.7	48.5	47.0	38.0	24.6	18.6	17.9
75°	60.4	51.4	44.0	35.8	30.6	28.3	25.4	18.6	10.4	6.0	5.2
77.5°	13.4	12.7	11.9	8.9	8.2	6.7	5.2	3.7	1.5	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)