

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: P631613

Luminaire Tested: GWS-SA2B-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631613  
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-SA2B-722-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

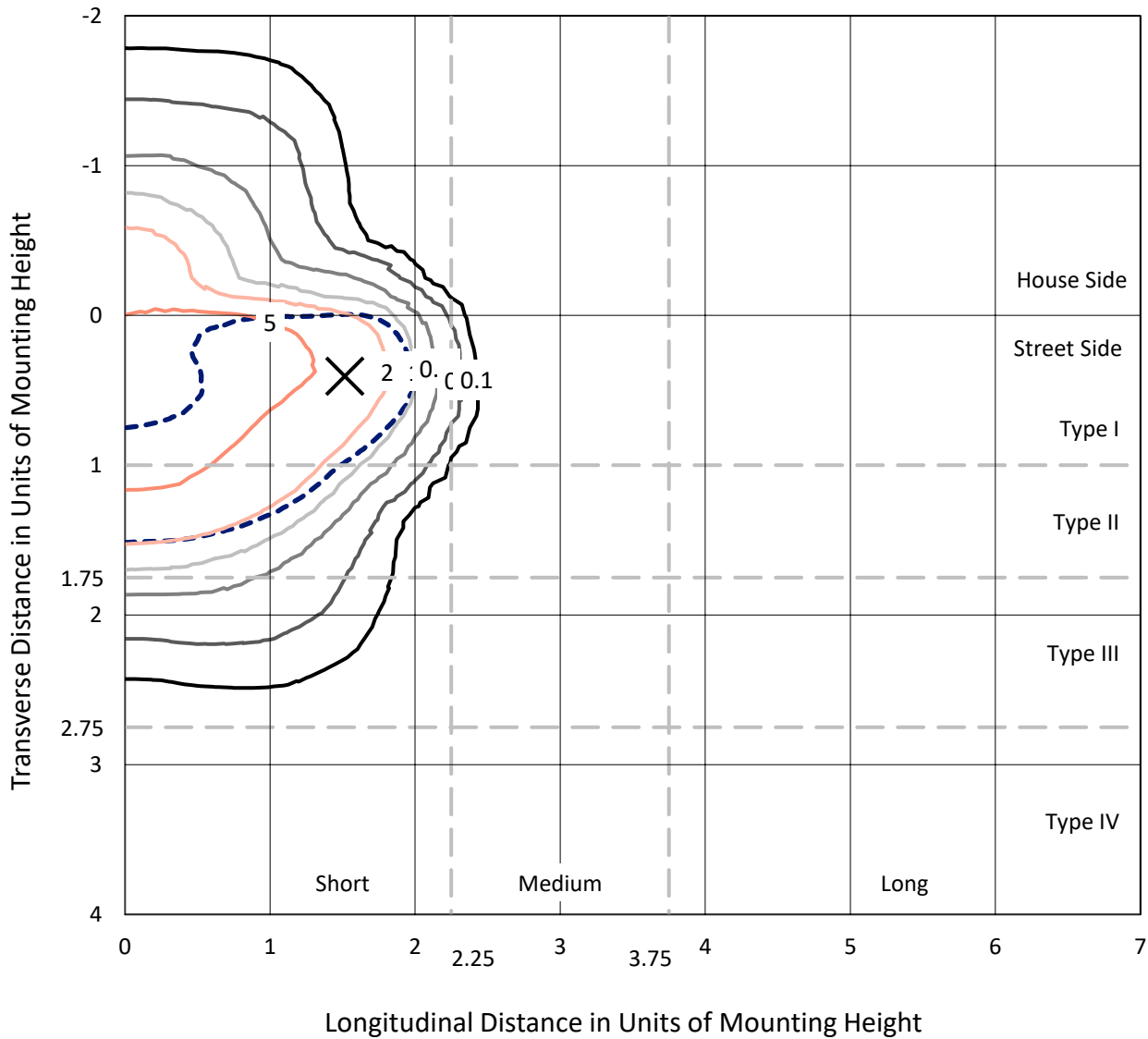
Lumens per Lamp: N/A  
Luminaire Lumens: 3019.5 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

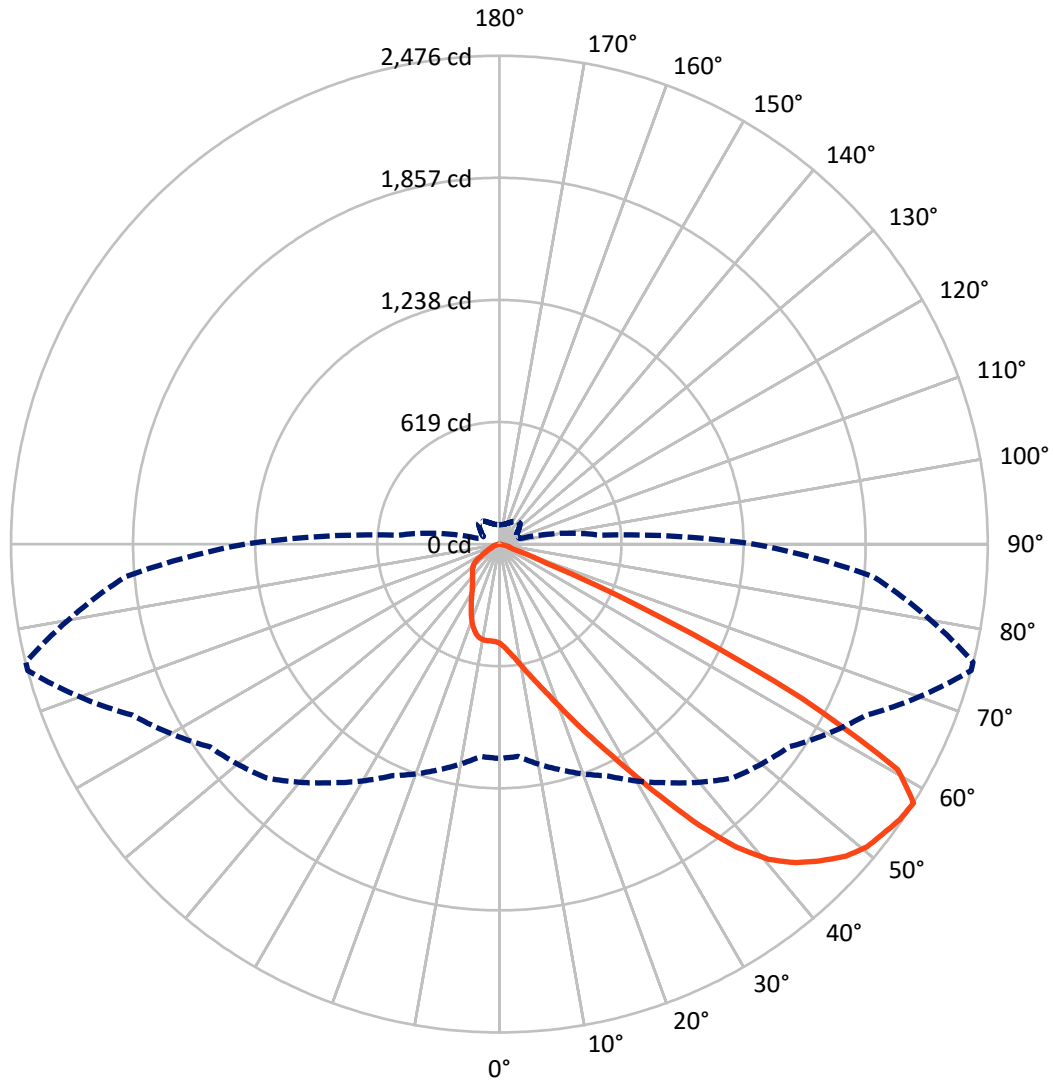
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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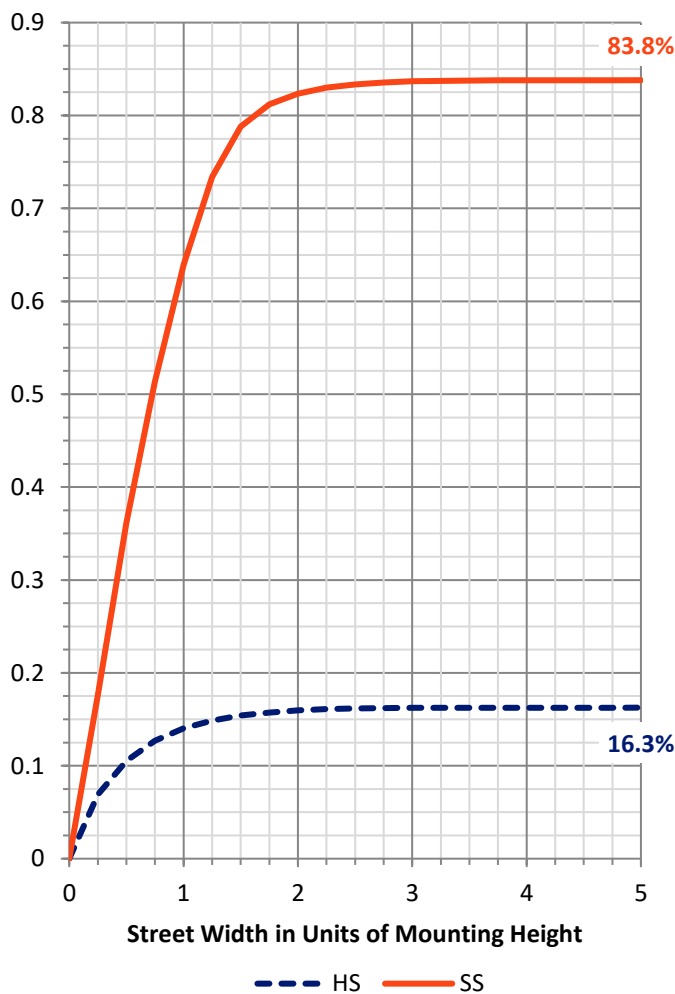
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	493.2	0.0	493.2
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	2526.3	0.0	2526.3
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	3019.5	0.0	3019.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.2	1.7
10°-20°	166.5	5.5
20°-30°	304.8	10.1
30°-40°	505.8	16.8
40°-50°	772.4	25.6
50°-60°	868.0	28.7
60°-70°	320.1	10.6
70°-80°	30.6	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°	3019.5	100.0
0°-180°	3019.5	100.0

**Coefficient of Utilization**



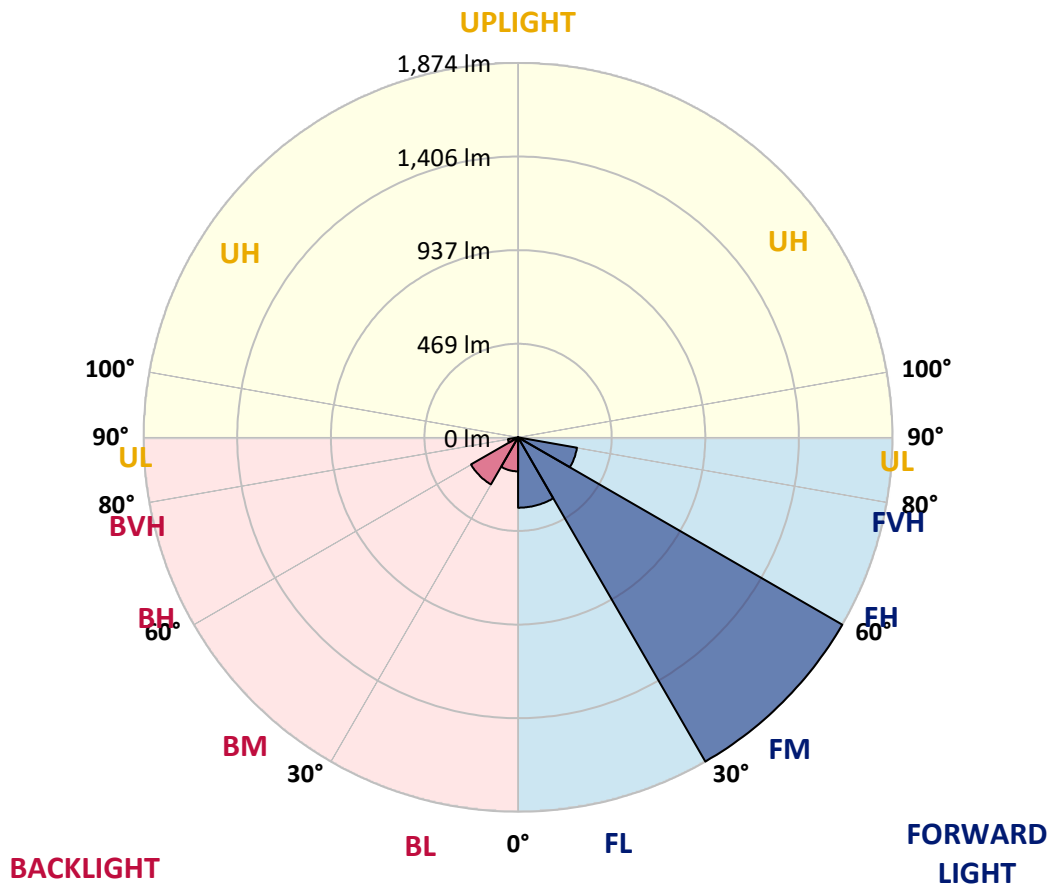
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.4	11.7			
FM (30°-60°)	1874.4	62.1			
FH (60°-80°)	299.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	170.2	5.6	B1/500		
BM (30°-60°)	271.8	9.0	B1/1000		
BH (60°-80°)	51.2	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°	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6
2.5°	562.6	568.5	566.7	563.0	560.8	553.2	548.4	534.6	524.7	523.7	514.5
5°	633.7	632.6	631.2	626.8	623.1	611.1	596.9	573.6	552.8	550.3	530.9
7.5°	672.7	673.4	674.2	673.4	670.9	661.8	646.1	618.8	587.1	584.9	554.3
10°	688.7	690.2	693.8	700.8	706.9	706.2	697.1	669.1	630.1	626.4	585.2
12.5°	696.4	698.2	704.0	717.2	733.9	747.0	748.5	723.3	680.3	674.5	622.0
15°	706.9	708.8	716.1	733.2	757.6	783.5	800.2	784.2	736.1	729.9	662.5
17.5°	711.7	714.2	724.8	747.4	779.1	818.8	856.7	855.3	802.1	797.3	709.5
20°	720.8	722.6	732.1	756.5	794.8	852.0	915.8	938.7	882.6	875.7	766.3
22.5°	749.6	750.3	754.7	770.0	805.7	876.0	975.9	1036.0	977.7	968.6	830.1
25°	796.6	796.2	798.1	800.6	826.8	900.4	1033.8	1145.7	1086.7	1076.8	902.3
27.5°	856.4	856.4	860.7	853.4	864.0	930.7	1091.0	1271.8	1213.5	1199.6	981.3
30°	926.7	926.3	936.5	924.9	928.1	978.4	1152.6	1409.2	1366.5	1349.4	1072.4
32.5°	1022.2	1020.0	1031.6	1015.6	1004.7	1050.6	1227.7	1552.7	1549.8	1523.6	1186.9
35°	1142.8	1139.1	1142.8	1127.1	1107.4	1151.5	1326.1	1696.0	1753.2	1725.5	1323.2
37.5°	1262.7	1274.3	1278.3	1251.4	1235.3	1279.4	1444.5	1824.2	1947.4	1918.6	1464.9
40°	1404.1	1400.4	1414.3	1384.0	1373.8	1422.6	1560.4	1919.7	2101.2	2073.8	1591.0
42.5°	1508.3	1514.8	1532.0	1515.2	1507.2	1553.1	1657.7	1975.5	2207.9	2181.0	1681.0
45°	1633.3	1638.0	1644.6	1630.7	1622.3	1667.5	1728.0	1999.9	2289.2	2260.1	1741.5
47.5°	1768.5	1772.1	1772.1	1743.7	1716.7	1735.3	1775.0	2013.7	2363.9	2335.8	1786.3
50°	1865.4	1867.2	1883.3	1863.2	1804.5	1775.8	1796.5	2027.2	2413.5	2387.2	1800.9
52.5°	1779.4	1777.2	1830.1	1871.6	1887.3	1830.1	1833.7	2046.9	2437.5	2414.9	1812.6
55°	1498.4	1494.8	1569.1	1670.1	1808.2	1881.4	1878.5	2058.5	2464.1	2450.3	1854.8
57.5°	1086.3	1080.1	1183.6	1295.8	1476.9	1675.5	1792.2	2052.0	2475.8	2474.7	1904.0
60°	653.0	647.9	745.6	863.6	1003.6	1203.3	1396.8	1838.1	2319.8	2322.0	1776.1
62.5°	401.9	406.7	494.9	555.0	607.1	667.2	779.1	1236.4	1718.5	1732.8	1248.1
65°	270.4	274.0	355.7	431.5	431.5	352.7	302.8	591.1	916.8	892.8	590.3
67.5°	181.5	185.5	250.0	338.5	351.3	246.0	122.8	176.4	255.4	247.8	146.1
70°	106.8	111.1	166.5	232.1	255.8	171.3	82.0	74.7	72.5	70.3	56.8
72.5°	47.7	49.6	84.9	118.1	107.9	72.2	57.9	59.8	56.5	55.4	46.3
75°	14.6	15.3	21.9	25.5	25.9	25.9	35.0	47.0	44.5	44.8	35.7
77.5°	3.6	3.6	5.8	5.5	2.9	2.6	6.6	10.6	10.9	9.8	7.3
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
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°	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6
2.5°	510.5	501.1	494.9	486.1	479.9	473.4	467.5	462.8	460.2	459.5	459.9
5°	522.2	507.3	492.7	475.9	464.3	453.3	444.6	437.7	434.4	433.3	433.3
7.5°	540.1	519.3	493.4	467.2	447.5	430.4	420.2	412.5	409.6	408.9	406.7
10°	563.4	534.9	492.3	451.5	423.8	405.9	398.7	396.5	397.6	397.9	397.6
12.5°	591.4	551.3	485.4	428.5	398.7	387.7	388.5	394.3	400.8	404.1	404.9
15°	621.3	566.3	469.7	401.2	377.2	376.8	387.4	400.8	413.6	419.1	420.5
17.5°	654.8	578.3	445.7	372.1	358.6	369.1	388.1	408.9	426.0	435.1	436.9
20°	691.6	588.2	415.1	344.7	342.2	361.1	387.4	412.9	434.0	444.2	446.0
22.5°	729.9	595.1	379.7	319.6	327.2	352.0	380.4	405.2	425.3	436.9	438.4
25°	773.6	595.8	343.6	298.4	313.4	339.6	363.7	384.1	400.8	411.1	412.1
27.5°	811.9	587.1	311.6	281.3	300.6	324.3	340.4	351.7	363.3	369.1	369.5
30°	856.0	571.8	281.3	267.5	287.5	305.4	313.4	315.9	317.0	318.1	316.7
32.5°	908.5	553.2	258.7	254.0	272.6	284.6	286.8	281.7	275.5	266.7	264.6
35°	973.0	536.4	240.1	240.9	256.2	263.5	261.6	250.7	238.7	228.1	226.3
37.5°	1042.9	522.2	225.9	228.1	238.3	243.4	238.0	225.9	220.5	211.4	211.7
40°	1104.9	510.5	213.2	215.4	220.1	224.8	216.1	208.1	218.3	217.6	218.3
42.5°	1149.0	500.7	202.2	201.2	204.4	207.7	201.2	197.1	214.3	209.5	212.1
45°	1174.8	491.6	193.1	186.6	191.7	197.5	193.1	188.0	193.9	172.0	170.2
47.5°	1192.3	486.5	185.1	172.4	181.5	191.7	182.6	170.2	161.8	142.8	141.4
50°	1194.2	483.9	175.6	157.8	169.4	180.4	169.8	152.7	140.7	132.3	131.2
52.5°	1203.6	489.0	162.5	139.2	152.0	169.4	162.2	145.0	128.6	121.3	119.9
55°	1245.9	510.5	140.7	113.7	132.3	161.1	156.0	129.4	113.7	109.3	108.2
57.5°	1289.6	514.9	110.8	90.0	115.2	149.0	142.5	119.2	103.9	98.8	97.7
60°	1179.2	424.2	83.1	74.3	101.7	137.7	131.9	113.0	95.1	88.9	87.8
62.5°	774.7	229.2	66.0	63.0	85.6	116.6	120.3	102.0	84.9	78.3	78.0
65°	357.1	106.4	50.7	49.9	67.1	92.9	103.5	89.3	71.8	66.0	66.0
67.5°	97.3	52.8	39.7	36.8	45.6	62.3	75.4	66.7	51.0	44.1	43.7
70°	48.5	42.6	35.7	31.7	32.8	38.6	44.5	37.2	25.9	21.1	20.8
72.5°	39.7	35.0	30.2	27.0	24.8	23.7	23.0	18.6	12.0	9.1	8.7
75°	29.5	25.1	21.5	17.5	14.9	13.8	12.4	9.1	5.1	2.9	2.6
77.5°	6.6	6.2	5.8	4.4	4.0	3.3	2.6	1.8	0.7	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)