

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: P629654

Luminaire Tested: GWS-SA1C-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3510.2 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

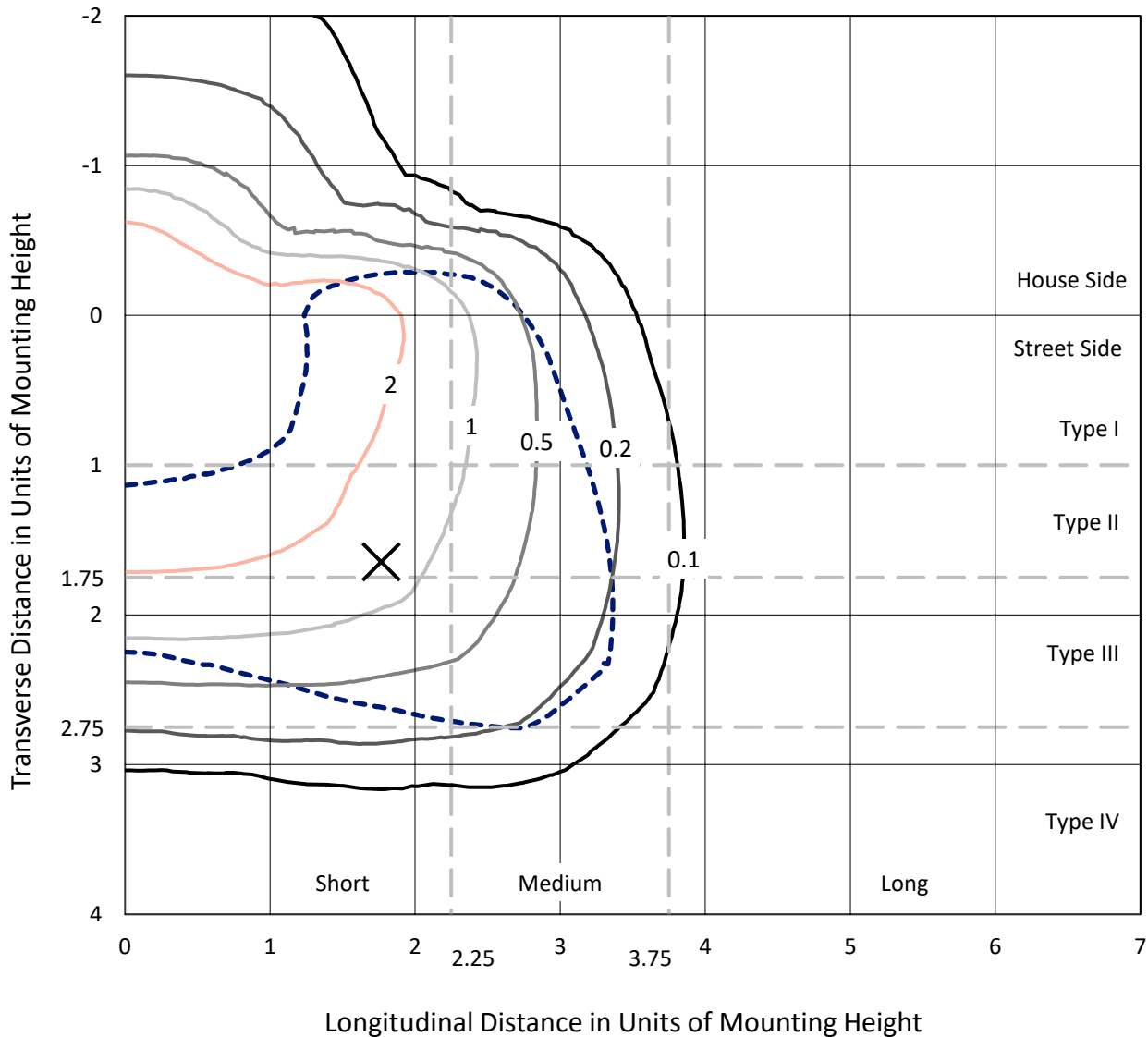
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

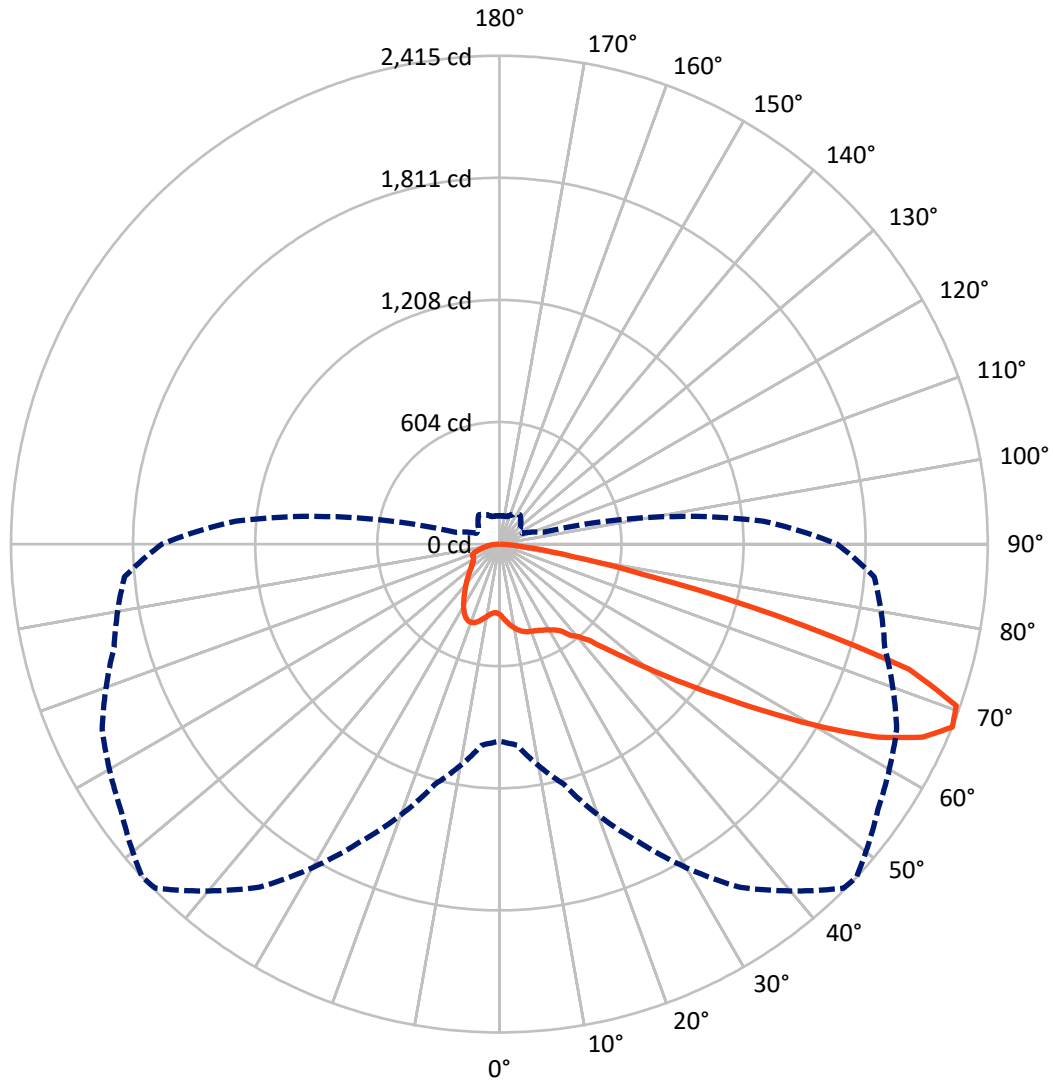
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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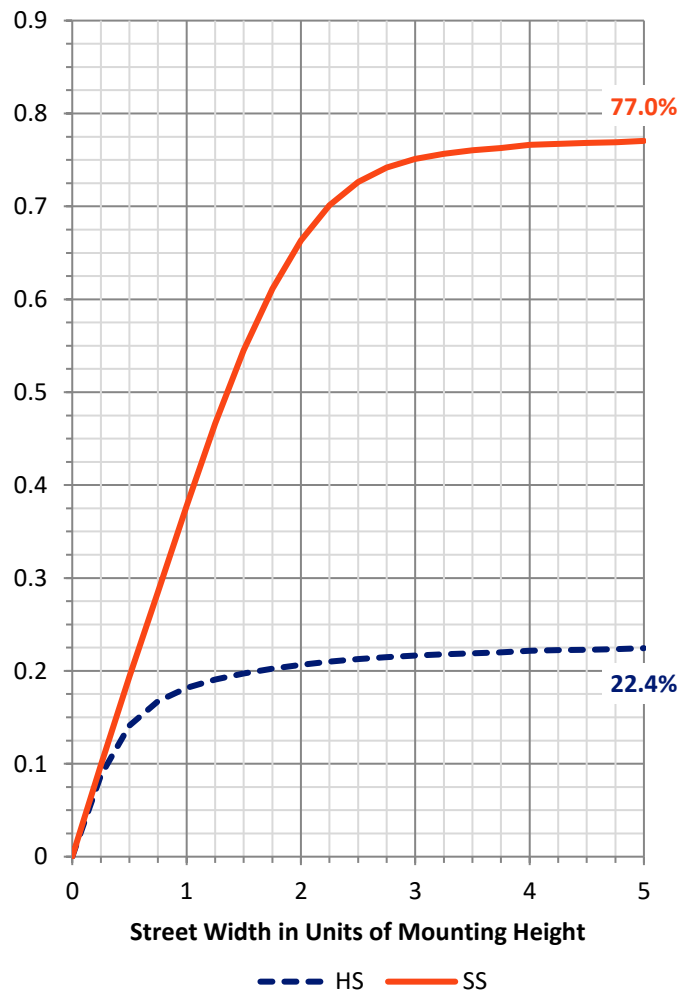
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	800.0	0.0	800.0
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	2710.2	0.0	2710.2
	% Fixture	77.2	0.0	77.2
Total	Lumens	3510.2	0.0	3510.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	1.0
10°-20°	118.5	3.4
20°-30°	201.4	5.7
30°-40°	295.0	8.4
40°-50°	449.5	12.8
50°-60°	804.2	22.9
60°-70°	1073.2	30.6
70°-80°	485.3	13.8
80°-90°	47.6	1.4
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°	3510.2	100.0
0°-180°	3510.2	100.0

Coefficient of Utilization



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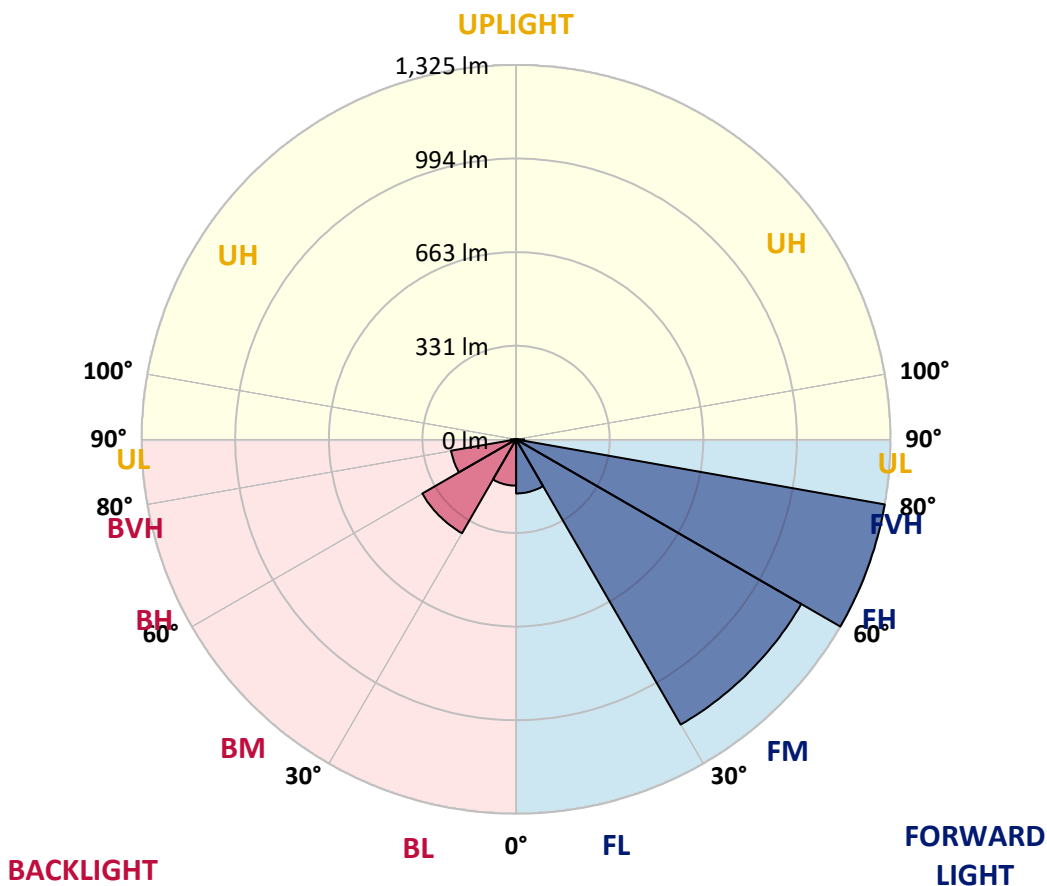
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.4	5.5			
FM (30°-60°)	1165.4	33.2			
FH (60°-80°)	1325.1	37.7			G1/1800
FVH (80°-90°)	28.3	0.8			G1/100
BL (0°-30°)	164.0	4.7	B1/500		
BM (30°-60°)	383.3	10.9	B1/1000		
BH (60°-80°)	233.4	6.6	B1/500		G1/500
BVH (80°-90°)	19.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0
2.5°	371.1	372.3	372.1	370.1	368.8	366.5	366.8	363.2	357.9	354.3	350.3
5°	403.8	405.8	403.3	400.0	394.9	387.6	386.8	378.7	368.5	361.4	354.1
7.5°	432.2	433.5	430.5	424.9	417.5	407.6	405.8	396.2	383.5	372.3	361.7
10°	454.3	455.8	451.8	444.4	434.8	424.9	423.6	413.7	400.3	387.1	373.6
12.5°	473.1	473.6	469.3	459.4	449.0	438.8	437.6	428.4	416.0	402.5	387.8
15°	484.0	484.3	478.9	468.0	458.1	449.2	448.5	440.6	429.2	416.5	400.8
17.5°	483.3	483.8	480.0	470.3	461.7	456.3	455.6	450.5	441.6	430.2	414.5
20°	473.9	474.4	471.8	465.5	460.9	459.4	459.6	458.1	452.8	443.4	427.4
22.5°	466.5	467.3	465.0	460.4	459.9	463.5	464.2	465.0	462.4	454.1	438.6
25°	470.1	471.3	467.8	461.4	462.4	470.3	471.8	474.4	472.3	465.2	451.8
27.5°	494.7	495.4	486.3	473.4	470.3	478.7	481.0	485.0	483.5	476.9	466.5
30°	551.8	551.3	531.7	500.0	487.3	490.6	492.4	498.2	498.7	494.4	484.5
32.5°	632.2	629.7	599.5	549.0	512.2	504.1	506.1	514.0	519.8	515.2	501.8
35°	717.3	715.0	681.7	622.6	558.1	530.0	527.7	533.8	542.6	530.0	510.7
37.5°	798.2	794.7	760.7	687.6	614.7	575.4	572.1	566.0	560.7	536.3	521.6
40°	888.1	884.0	854.3	771.6	677.2	610.2	601.8	577.7	572.8	557.4	550.0
42.5°	984.0	984.0	959.4	877.9	752.5	659.9	649.0	612.7	617.8	607.6	599.0
45°	1080.0	1082.7	1063.2	985.0	853.3	753.8	736.3	684.8	697.0	692.4	688.1
47.5°	1161.7	1167.0	1163.2	1094.4	976.7	868.0	841.4	787.8	814.0	824.9	837.1
50°	1249.8	1255.6	1251.8	1224.6	1121.1	1006.4	982.5	927.2	972.1	1004.8	1044.7
52.5°	1380.5	1388.8	1357.1	1346.7	1296.5	1163.5	1142.1	1079.2	1160.7	1215.0	1303.8
55°	1490.9	1490.6	1479.5	1503.3	1484.8	1355.6	1332.0	1274.9	1378.9	1436.6	1566.5
57.5°	1542.1	1548.2	1586.6	1654.1	1691.1	1590.4	1567.8	1509.4	1613.2	1643.2	1783.5
60°	1568.5	1576.2	1650.3	1783.8	1883.5	1846.7	1837.8	1763.5	1821.8	1818.3	1966.5
62.5°	1531.5	1546.7	1665.7	1843.2	2020.8	2104.3	2101.5	1989.1	1999.3	1964.5	2080.0
65°	1361.4	1377.9	1564.7	1813.5	2099.3	2300.3	2301.0	2193.4	2135.5	2035.5	2060.9
67.5°	973.6	997.2	1228.2	1622.6	2071.6	2406.1	2415.0	2286.1	2167.5	1972.6	1860.9
70°	530.7	548.0	728.9	1179.4	1822.3	2380.7	2397.2	2241.4	2026.4	1706.4	1432.5
72.5°	241.1	246.7	339.1	647.2	1244.9	2049.3	2118.3	2000.3	1664.2	1260.4	910.9
75°	110.4	112.9	147.7	309.6	650.5	1371.3	1419.8	1489.9	1158.1	795.9	474.9
77.5°	69.3	70.1	84.0	141.6	324.4	684.5	735.5	887.1	678.2	393.9	198.5
80°	40.9	41.6	52.3	76.7	152.3	313.2	361.7	350.8	318.8	170.1	90.4
82.5°	20.6	21.3	30.2	43.7	83.0	124.6	146.7	147.5	118.8	92.1	51.0
85°	7.4	7.6	9.9	17.3	35.3	41.1	45.9	56.1	58.1	53.6	24.6
87.5°	0.0	0.0	0.3	0.5	1.0	4.1	4.3	8.1	17.0	19.0	9.9
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°	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0	348.0
2.5°	349.0	345.2	343.9	342.6	340.6	339.9	338.3	336.8	336.8	335.3	334.5
5°	350.8	345.7	342.4	340.9	339.6	340.4	340.4	340.9	342.6	341.6	342.1
7.5°	357.1	351.3	346.7	345.4	345.4	348.5	350.5	353.0	356.3	356.9	356.9
10°	368.3	361.4	356.6	355.8	357.1	361.4	364.5	367.5	371.6	371.8	372.3
12.5°	380.5	373.6	368.8	369.8	371.1	376.7	380.0	382.5	386.6	386.6	386.3
15°	393.1	385.5	381.5	383.5	387.3	393.7	394.2	394.4	396.4	395.9	395.7
17.5°	406.3	398.2	395.2	398.2	402.3	405.3	402.8	399.2	398.5	397.5	397.0
20°	419.3	410.9	409.6	411.9	413.2	410.7	402.8	396.2	393.1	391.6	391.1
22.5°	430.5	423.4	422.6	422.6	416.2	407.4	395.7	386.8	382.7	380.7	380.2
25°	443.7	437.1	435.8	428.9	412.7	396.4	380.7	372.6	369.3	368.3	368.5
27.5°	459.1	454.6	450.5	431.0	402.5	377.2	359.4	355.8	354.6	355.8	356.6
30°	478.2	473.6	464.5	428.4	386.3	352.0	335.0	334.8	338.6	341.9	342.4
32.5°	493.7	491.6	476.7	420.3	363.5	324.4	309.9	310.9	317.8	322.3	323.1
35°	505.8	509.1	486.8	406.9	336.3	298.2	286.8	287.3	291.1	297.5	297.7
37.5°	523.1	534.3	495.9	386.3	305.1	275.6	265.2	261.4	260.9	262.7	263.2
40°	557.9	574.6	502.5	356.3	274.9	255.3	243.7	236.3	230.0	225.1	223.6
42.5°	610.4	629.7	506.3	320.1	248.0	235.3	222.1	212.7	201.5	191.4	187.8
45°	706.9	713.2	506.3	281.5	224.1	216.5	203.3	192.1	177.9	166.0	163.5
47.5°	861.2	840.9	506.9	244.2	203.0	200.0	188.6	175.9	160.2	150.3	148.7
50°	1093.7	1022.3	517.3	213.2	185.5	186.0	177.7	163.7	149.5	142.1	140.9
52.5°	1357.1	1245.9	545.2	190.4	170.8	174.6	170.1	156.6	143.9	137.6	136.3
55°	1604.8	1451.5	569.0	174.1	158.4	165.0	164.7	152.3	140.9	134.5	133.8
57.5°	1815.5	1592.4	565.5	160.9	147.7	156.1	159.9	149.5	138.8	133.5	132.7
60°	1946.5	1667.0	515.0	148.7	139.6	149.7	157.1	148.7	139.8	138.6	138.8
62.5°	2003.3	1653.3	418.0	139.6	134.3	146.7	160.2	154.1	149.2	152.3	154.1
65°	1915.0	1535.5	307.6	132.7	129.2	147.5	167.3	162.4	149.2	151.3	152.0
67.5°	1669.8	1307.1	222.3	125.9	122.8	149.7	177.4	161.2	140.6	140.6	139.1
70°	1203.3	940.1	161.4	119.0	116.5	146.4	177.9	152.5	130.7	130.0	126.1
72.5°	724.1	554.6	125.9	111.4	106.9	130.0	166.8	142.4	121.1	114.7	110.2
75°	376.1	277.9	105.6	103.0	91.6	110.2	152.5	126.7	103.6	98.0	95.4
77.5°	161.2	130.0	90.6	91.9	76.1	92.6	123.1	109.6	91.9	84.8	82.5
80°	79.4	73.9	71.6	73.6	60.9	71.6	106.1	95.9	77.9	69.8	66.5
82.5°	45.4	43.1	51.5	52.3	43.4	59.9	89.6	81.2	64.5	55.6	50.3
85°	21.1	22.6	31.2	31.5	26.9	41.1	58.6	45.7	34.3	28.4	27.2
87.5°	8.4	9.9	13.7	13.5	7.9	7.6	5.1	2.8	2.3	2.0	1.8
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)