

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: P629434

Luminaire Tested: GWS-SA1B-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629434
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-SA1B-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3634.7 lumens
Efficiency: N/A
Efficacy: 145.4 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

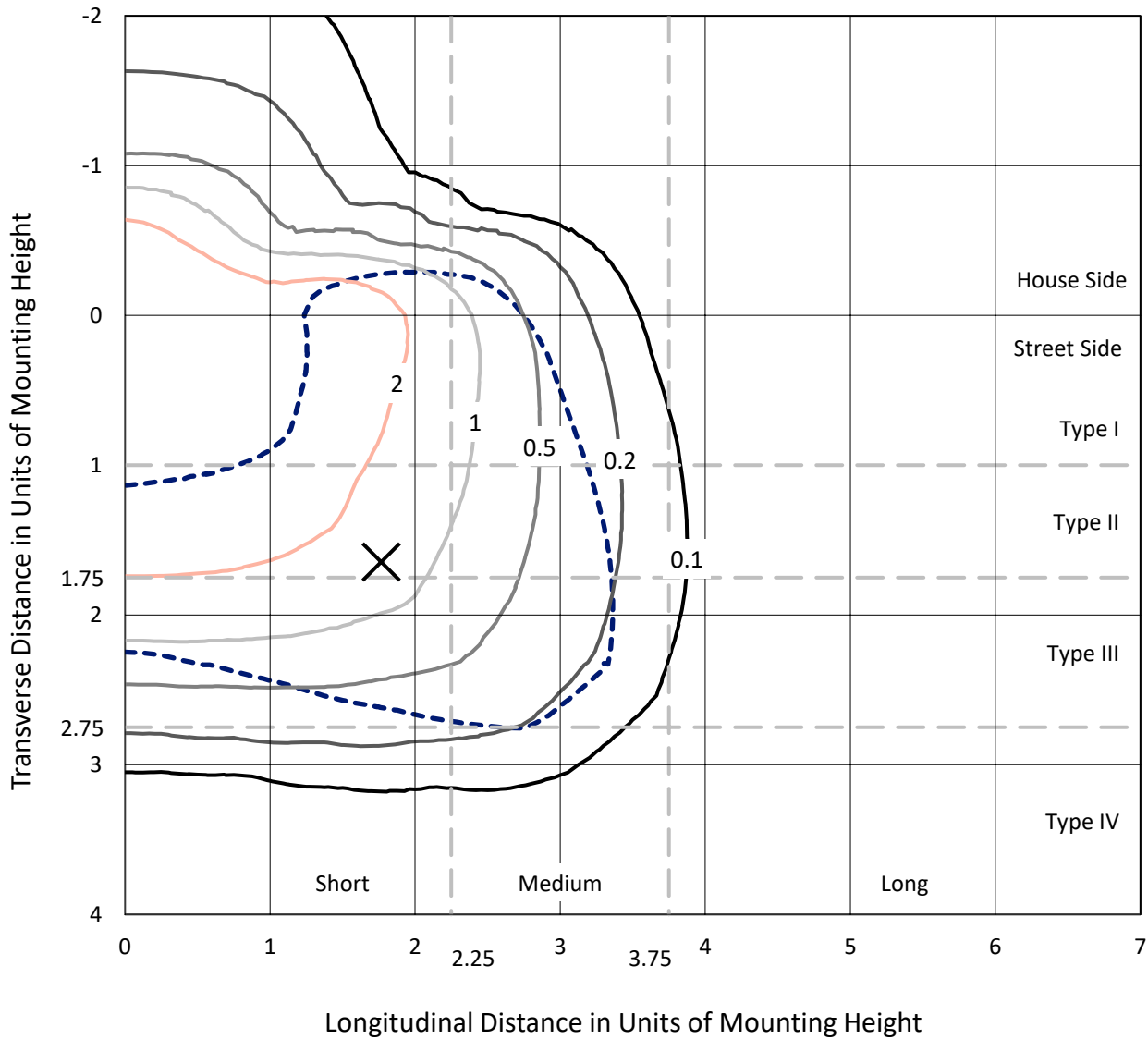
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

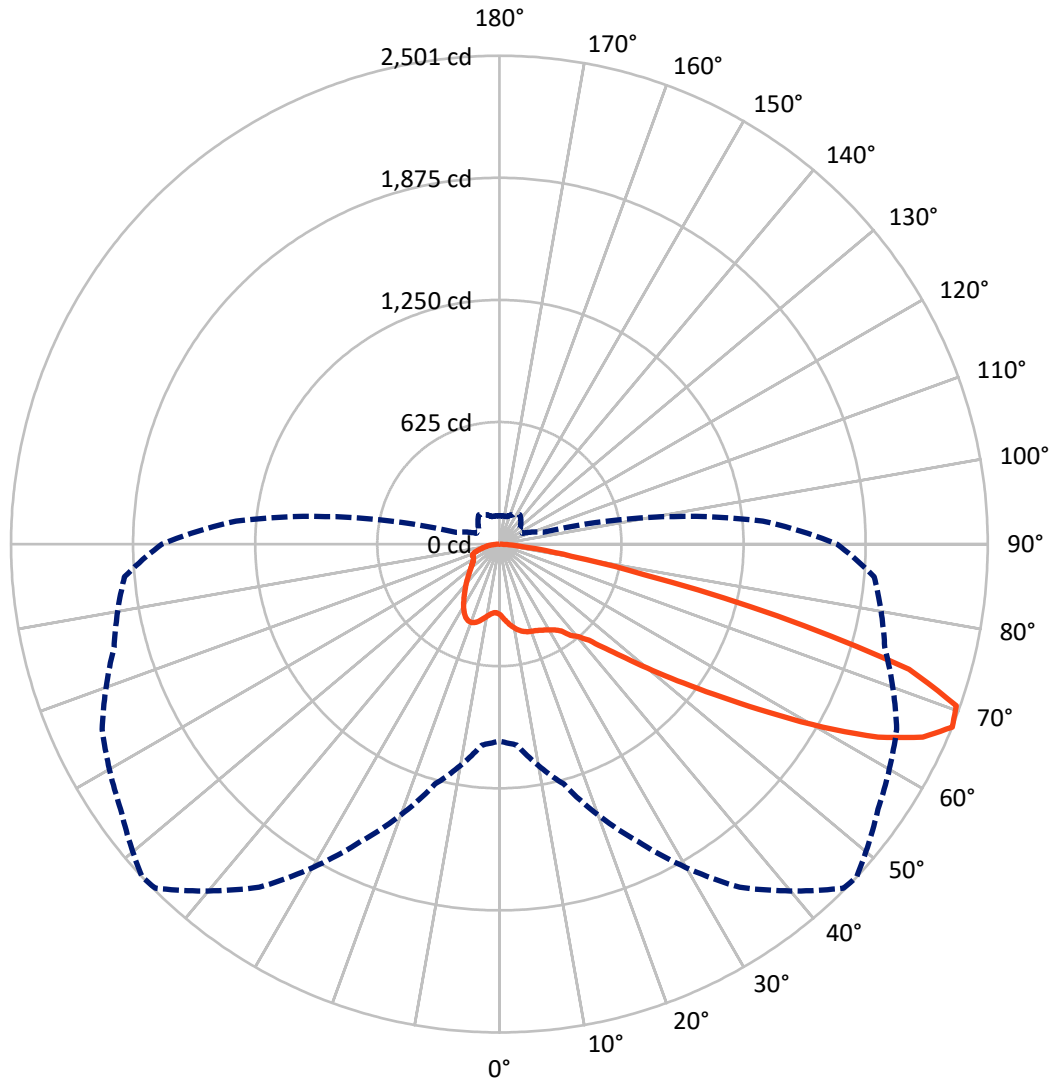
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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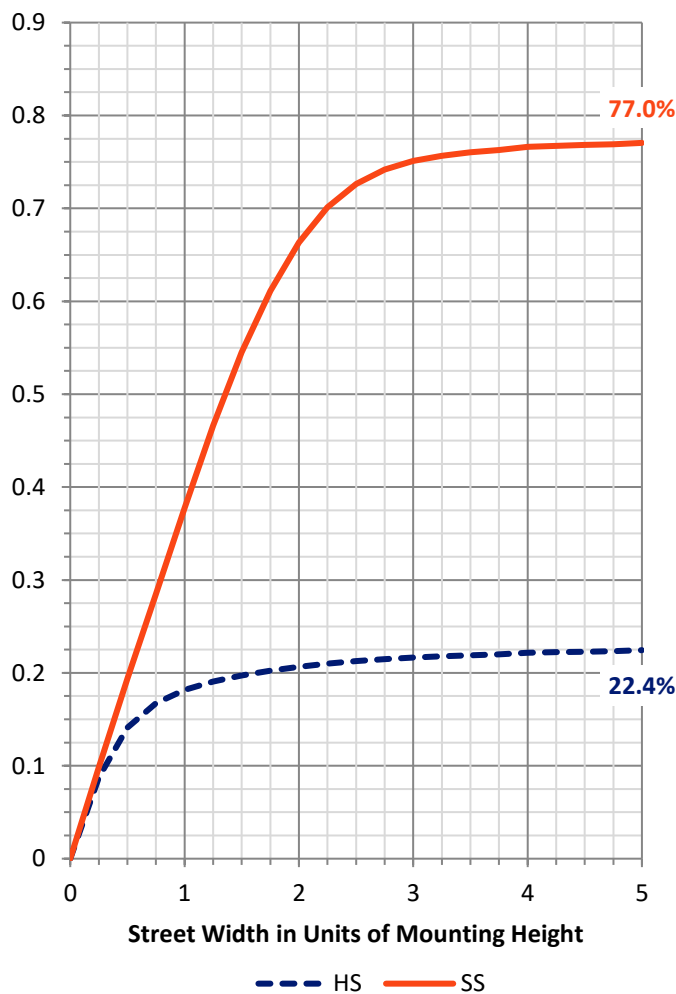
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.4	0.0	828.4
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	2806.3	0.0	2806.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	3634.7	0.0	3634.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	1.0
10°-20°	122.7	3.4
20°-30°	208.5	5.7
30°-40°	305.5	8.4
40°-50°	465.4	12.8
50°-60°	832.8	22.9
60°-70°	1111.2	30.6
70°-80°	502.5	13.8
80°-90°	49.2	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°	3634.7	100.0
0°-180°	3634.7	100.0

Coefficient of Utilization



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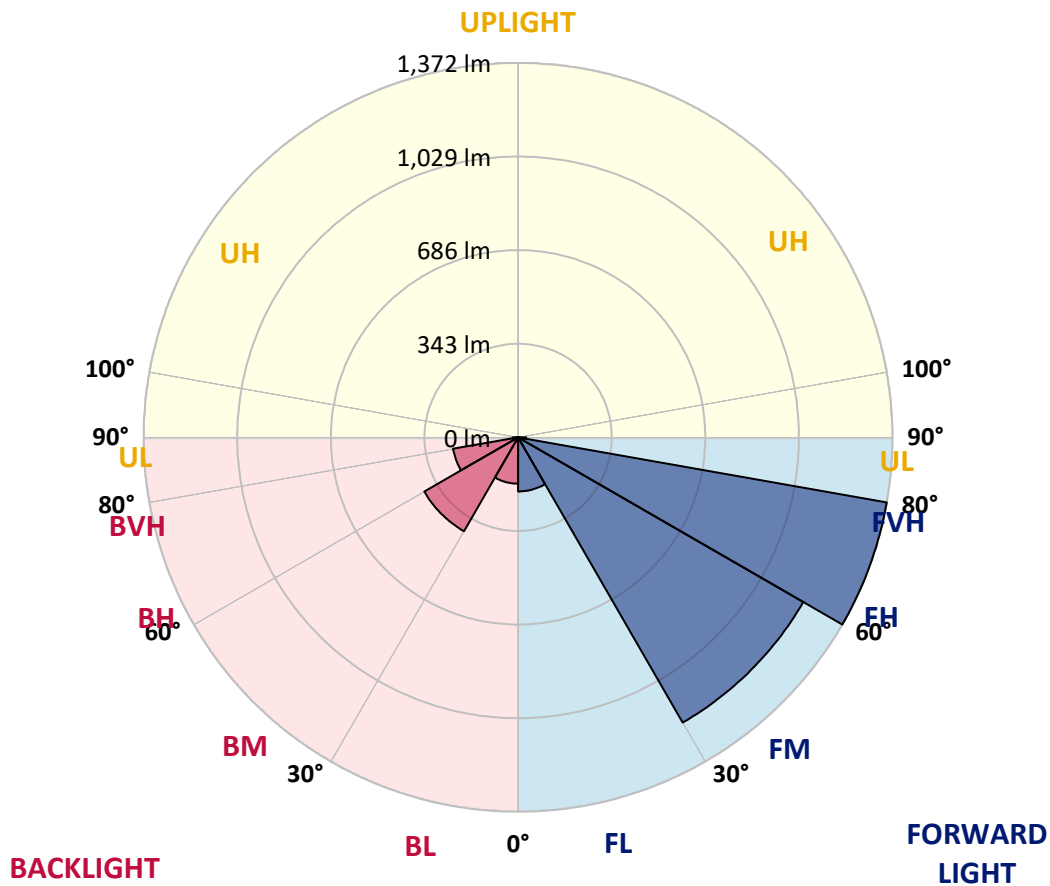
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.2	5.5			
FM (30°-60°)	1206.8	33.2			
FH (60°-80°)	1372.1	37.7			G1/1800
FVH (80°-90°)	29.3	0.8			G1/100
BL (0°-30°)	169.8	4.7	B1/500		
BM (30°-60°)	396.9	10.9	B1/1000		
BH (60°-80°)	241.7	6.6	B1/500		G1/500
BVH (80°-90°)	19.9	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°	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3
2.5°	384.2	385.5	385.3	383.2	381.9	379.5	379.8	376.1	370.6	366.9	362.7
5°	418.1	420.2	417.6	414.2	408.9	401.3	400.5	392.1	381.6	374.2	366.6
7.5°	447.6	448.9	445.7	439.9	432.3	422.1	420.2	410.2	397.1	385.5	374.5
10°	470.4	472.0	467.8	460.2	450.2	439.9	438.6	428.4	414.5	400.8	386.9
12.5°	489.9	490.4	485.9	475.7	464.9	454.4	453.1	443.6	430.7	416.8	401.6
15°	501.2	501.4	495.9	484.6	474.4	465.2	464.4	456.2	444.4	431.3	415.0
17.5°	500.4	500.9	497.0	487.0	478.1	472.5	471.7	466.5	457.3	445.5	429.2
20°	490.7	491.2	488.6	482.0	477.3	475.7	476.0	474.4	468.9	459.1	442.6
22.5°	483.0	483.8	481.5	476.7	476.2	479.9	480.7	481.5	478.8	470.2	454.1
25°	486.7	488.0	484.4	477.8	478.8	487.0	488.6	491.2	489.1	481.7	467.8
27.5°	512.2	513.0	503.5	490.1	487.0	495.7	498.0	502.2	500.7	493.8	483.0
30°	571.4	570.8	550.6	517.7	504.6	508.0	509.9	515.9	516.4	512.0	501.7
32.5°	654.7	652.0	620.8	568.5	530.4	521.9	524.0	532.2	538.2	533.5	519.6
35°	742.7	740.3	705.9	644.7	577.9	548.7	546.4	552.7	561.9	548.7	528.8
37.5°	826.5	822.9	787.6	712.0	636.5	595.8	592.4	586.1	580.5	555.3	540.1
40°	919.6	915.4	884.6	798.9	701.2	631.8	623.1	598.2	593.2	577.1	569.5
42.5°	1018.9	1018.9	993.4	909.1	779.2	683.3	672.0	634.4	639.7	629.2	620.2
45°	1118.3	1121.2	1100.9	1020.0	883.6	780.5	762.4	709.1	721.7	716.9	712.5
47.5°	1202.9	1208.4	1204.5	1133.2	1011.3	898.8	871.2	815.8	842.8	854.1	866.8
50°	1294.1	1300.1	1296.2	1268.1	1160.8	1042.0	1017.3	960.0	1006.6	1040.5	1081.7
52.5°	1429.4	1438.1	1405.3	1394.5	1342.4	1204.7	1182.6	1117.5	1201.8	1258.1	1350.1
55°	1543.8	1543.5	1531.9	1556.6	1537.4	1403.7	1379.2	1320.1	1427.9	1487.5	1622.1
57.5°	1596.8	1603.1	1642.8	1712.7	1751.1	1646.8	1623.4	1562.9	1670.4	1701.4	1846.8
60°	1624.2	1632.1	1708.8	1847.0	1950.3	1912.2	1903.0	1826.0	1886.5	1882.8	2036.3
62.5°	1585.8	1601.6	1724.8	1908.5	2092.5	2179.0	2176.1	2059.6	2070.2	2034.2	2153.7
65°	1409.7	1426.8	1620.2	1877.8	2173.7	2381.9	2382.6	2271.2	2211.3	2107.7	2134.0
67.5°	1008.1	1032.6	1271.7	1680.2	2145.1	2491.4	2500.6	2367.1	2244.4	2042.6	1926.9
70°	549.5	567.4	754.8	1221.3	1887.0	2465.2	2482.2	2320.9	2098.3	1766.9	1483.3
72.5°	249.7	255.5	351.1	670.2	1289.1	2121.9	2193.4	2071.2	1723.3	1305.1	943.2
75°	114.3	117.0	153.0	320.6	673.6	1420.0	1470.2	1542.7	1199.2	824.2	491.7
77.5°	71.7	72.5	87.0	146.6	335.9	708.8	761.6	918.5	702.2	407.9	205.5
80°	42.3	43.1	54.1	79.4	157.7	324.3	374.5	363.2	330.1	176.1	93.6
82.5°	21.3	22.1	31.3	45.2	85.9	129.0	151.9	152.7	123.0	95.4	52.8
85°	7.6	7.9	10.2	17.9	36.5	42.6	47.6	58.1	60.2	55.5	25.5
87.5°	0.0	0.0	0.3	0.5	1.1	4.2	4.5	8.4	17.6	19.7	10.2
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°	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3
2.5°	361.4	357.4	356.1	354.8	352.7	351.9	350.3	348.8	348.8	347.2	346.4
5°	363.2	357.9	354.5	353.0	351.6	352.4	352.4	353.0	354.8	353.7	354.3
7.5°	369.8	363.7	359.0	357.7	357.7	360.8	362.9	365.6	369.0	369.5	369.5
10°	381.3	374.2	369.2	368.5	369.8	374.2	377.4	380.6	384.8	385.0	385.5
12.5°	394.0	386.9	381.9	382.9	384.2	390.0	393.4	396.1	400.3	400.3	400.0
15°	407.1	399.2	395.0	397.1	401.0	407.6	408.1	408.4	410.5	410.0	409.7
17.5°	420.8	412.4	409.2	412.4	416.6	419.7	417.1	413.4	412.6	411.6	411.0
20°	434.2	425.5	424.2	426.5	427.9	425.2	417.1	410.2	407.1	405.5	405.0
22.5°	445.7	438.4	437.6	437.6	431.0	421.8	409.7	400.5	396.3	394.2	393.7
25°	459.4	452.6	451.2	444.2	427.3	410.5	394.2	385.8	382.4	381.3	381.6
27.5°	475.4	470.7	466.5	446.3	416.8	390.5	372.1	368.5	367.1	368.5	369.2
30°	495.1	490.4	480.9	443.6	400.0	364.5	346.9	346.6	350.6	354.0	354.5
32.5°	511.2	509.1	493.6	435.2	376.3	335.9	320.9	321.9	329.0	333.8	334.6
35°	523.8	527.2	504.1	421.3	348.2	308.8	297.0	297.5	301.4	308.0	308.3
37.5°	541.7	553.2	513.5	400.0	315.9	285.4	274.6	270.7	270.2	272.0	272.5
40°	577.7	595.0	520.4	369.0	284.6	264.4	252.3	244.7	238.1	233.1	231.5
42.5°	632.1	652.0	524.3	331.4	256.8	243.6	230.0	220.2	208.7	198.2	194.5
45°	731.9	738.5	524.3	291.5	232.1	224.2	210.5	198.9	184.2	171.9	169.3
47.5°	891.7	870.7	524.8	252.8	210.2	207.1	195.3	182.1	165.8	155.6	154.0
50°	1132.5	1058.6	535.6	220.8	192.1	192.6	184.0	169.5	154.8	147.2	145.9
52.5°	1405.3	1290.1	564.5	197.1	176.9	180.8	176.1	162.2	149.0	142.4	141.1
55°	1661.8	1503.0	589.2	180.3	164.0	170.8	170.6	157.7	145.9	139.3	138.5
57.5°	1879.9	1648.9	585.5	166.6	153.0	161.6	165.6	154.8	143.8	138.2	137.5
60°	2015.5	1726.1	533.2	154.0	144.5	155.1	162.7	154.0	144.8	143.5	143.8
62.5°	2074.4	1712.0	432.8	144.5	139.0	151.9	165.8	159.5	154.5	157.7	159.5
65°	1982.9	1590.0	318.5	137.5	133.8	152.7	173.2	168.2	154.5	156.6	157.4
67.5°	1729.0	1353.5	230.2	130.4	127.2	155.1	183.7	166.9	145.6	145.6	144.0
70°	1246.0	973.5	167.1	123.3	120.6	151.6	184.2	157.9	135.3	134.6	130.6
72.5°	749.8	574.2	130.4	115.4	110.6	134.6	172.7	147.4	125.4	118.8	114.1
75°	389.5	287.8	109.3	106.7	94.9	114.1	157.9	131.1	107.2	101.4	98.8
77.5°	166.9	134.6	93.8	95.1	78.8	95.9	127.5	113.5	95.1	87.8	85.4
80°	82.3	76.5	74.1	76.2	63.1	74.1	109.9	99.3	80.7	72.3	68.9
82.5°	47.0	44.7	53.4	54.1	44.9	62.0	92.8	84.1	66.8	57.6	52.0
85°	21.8	23.4	32.3	32.6	27.9	42.6	60.7	47.3	35.5	29.4	28.1
87.5°	8.7	10.2	14.2	13.9	8.1	7.9	5.3	2.9	2.4	2.1	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)