

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: P629405

Luminaire Tested: GWS-SA1B-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.9 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

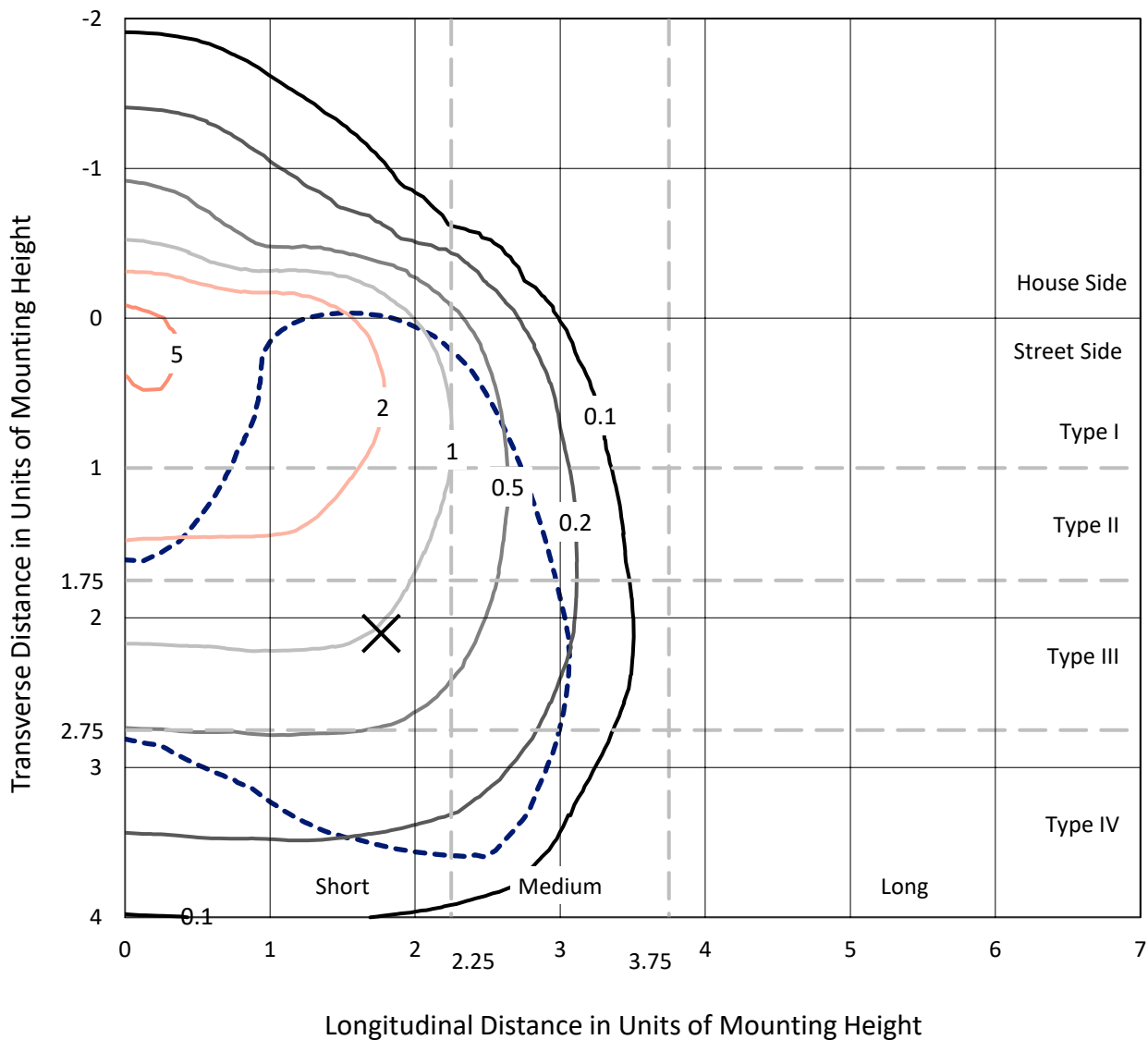
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

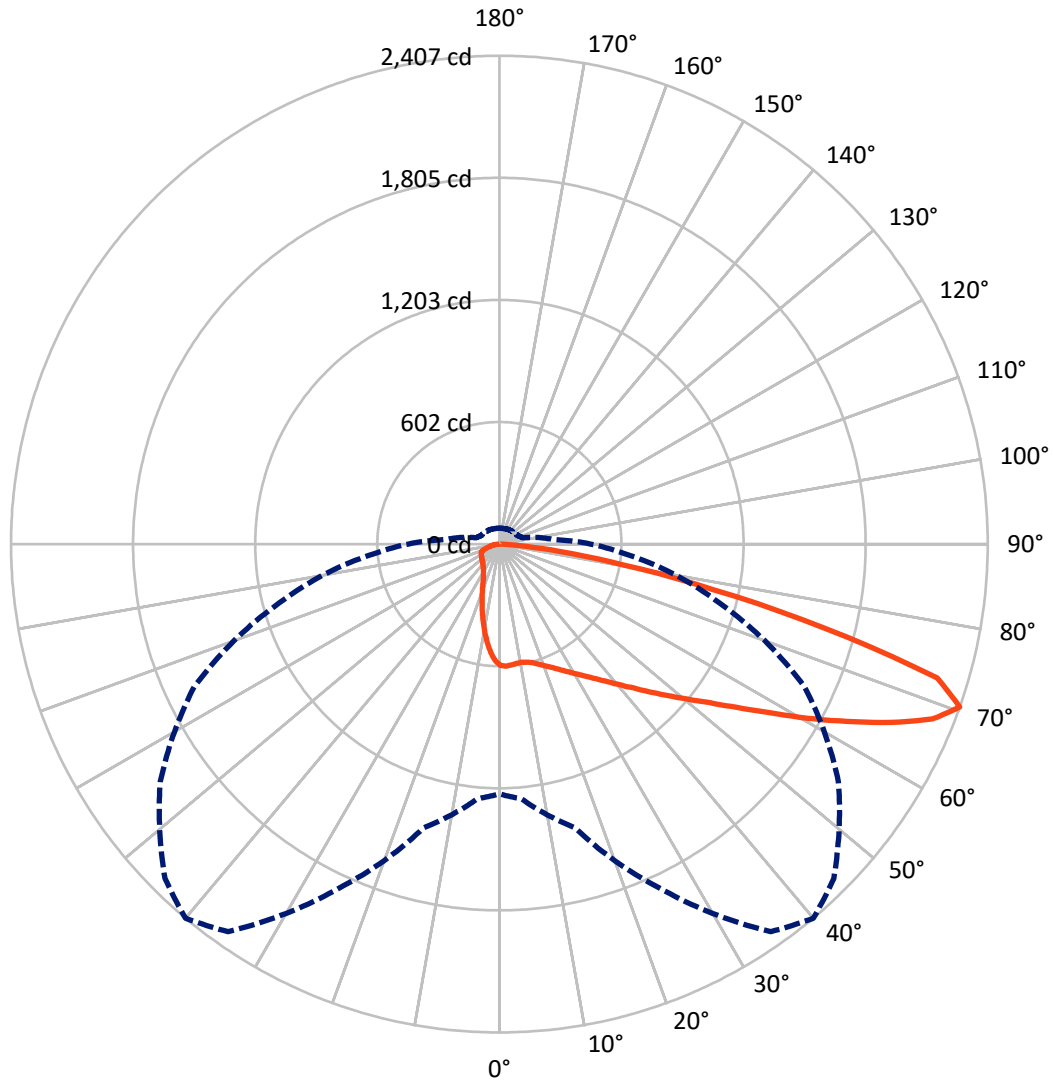
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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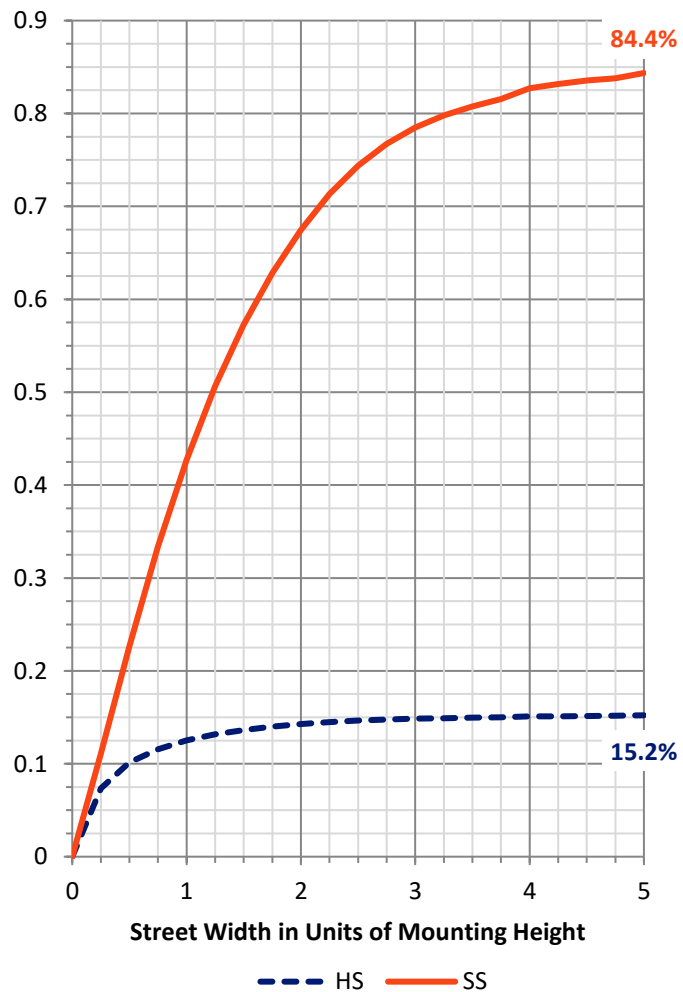
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	542.3	0.0	542.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	2978.6	0.0	2978.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	3520.9	0.0	3520.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.5
10°-20°	137.7	3.9
20°-30°	216.2	6.1
30°-40°	325.0	9.2
40°-50°	501.7	14.2
50°-60°	745.0	21.2
60°-70°	939.1	26.7
70°-80°	543.1	15.4
80°-90°	60.3	1.7
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°	3520.9	100.0
0°-180°	3520.9	100.0

Coefficient of Utilization



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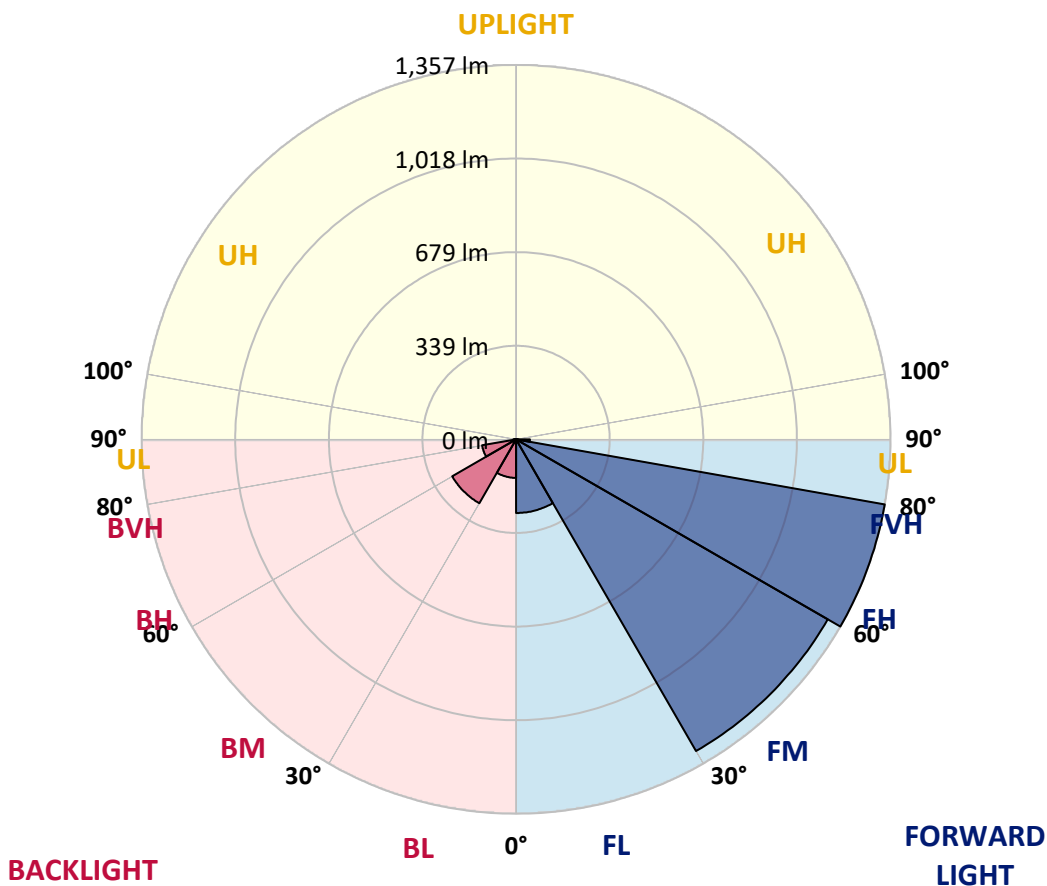
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.9	7.6			
FM (30°-60°)	1304.4	37.0			
FH (60°-80°)	1357.0	38.5			G1/1800
FVH (80°-90°)	50.2	1.4			G1/100
BL (0°-30°)	139.8	4.0	B1/500		
BM (30°-60°)	267.3	7.6	B1/1000		
BH (60°-80°)	125.2	3.6	B1/500		G1/500
BVH (80°-90°)	10.1	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9
2.5°	601.6	602.6	603.4	604.5	603.9	602.4	603.7	603.7	600.8	597.6	594.7
5°	602.4	603.7	603.4	603.1	601.0	598.4	598.4	596.8	591.8	586.9	582.1
7.5°	600.8	600.5	600.3	599.5	597.1	594.2	593.7	590.5	584.0	577.1	570.3
10°	593.7	593.4	594.2	596.0	595.5	592.9	592.9	590.0	582.4	574.0	565.0
12.5°	587.9	587.9	591.1	596.0	597.9	596.8	597.1	595.0	586.3	576.3	565.8
15°	588.7	589.0	595.8	603.9	607.4	606.6	606.8	604.5	594.7	584.7	570.6
17.5°	593.9	595.3	607.1	618.4	622.9	621.8	620.0	616.0	605.0	593.7	576.3
20°	605.0	607.1	622.3	636.5	641.8	639.4	636.3	628.4	616.3	603.9	582.6
22.5°	626.8	628.1	644.9	658.9	663.1	660.2	653.9	642.6	628.6	615.8	590.3
25°	657.5	659.1	675.2	688.0	687.0	683.6	674.9	661.0	644.4	630.7	601.3
27.5°	694.1	696.7	712.5	722.7	715.9	710.9	701.2	684.4	665.7	653.3	618.1
30°	734.0	735.1	748.5	758.7	748.2	741.4	729.6	711.4	694.6	685.4	643.4
32.5°	772.7	773.7	785.3	791.1	780.0	775.0	764.8	745.6	733.8	728.8	680.9
35°	813.4	813.1	822.6	827.6	816.3	814.2	803.7	789.0	786.8	793.4	735.9
37.5°	854.1	851.8	856.8	863.3	857.0	859.1	852.3	847.3	855.4	872.5	808.9
40°	886.7	886.7	892.0	900.1	902.2	911.4	907.5	914.0	940.3	981.1	899.3
42.5°	915.6	915.9	926.9	939.5	954.8	969.0	972.1	989.2	1043.6	1107.5	1012.9
45°	945.8	946.1	961.1	979.5	1011.8	1038.9	1045.2	1083.6	1161.4	1239.1	1136.1
47.5°	980.8	977.9	998.7	1029.4	1075.4	1114.3	1130.6	1185.0	1283.3	1379.0	1252.3
50°	1020.2	1014.2	1037.3	1090.4	1147.2	1200.5	1227.8	1290.1	1414.2	1508.0	1361.6
52.5°	1064.6	1061.2	1085.4	1150.0	1236.8	1298.3	1335.3	1417.1	1541.4	1636.5	1448.3
55°	1119.8	1111.7	1146.6	1228.9	1341.9	1420.2	1464.1	1542.7	1680.4	1753.2	1514.6
57.5°	1180.3	1171.3	1218.1	1327.4	1478.6	1564.5	1619.4	1684.1	1811.3	1842.5	1553.5
60°	1245.4	1242.6	1298.0	1443.1	1641.5	1741.4	1781.1	1839.7	1925.1	1894.3	1543.7
62.5°	1305.1	1304.1	1384.7	1568.4	1814.2	1924.0	1955.6	1971.1	2007.1	1890.9	1466.5
65°	1367.9	1376.9	1485.9	1713.8	2012.1	2119.8	2133.0	2093.5	2034.7	1801.3	1308.3
67.5°	1375.8	1393.1	1549.5	1849.9	2199.7	2301.4	2290.9	2140.0	1953.2	1551.9	1025.5
70°	1230.5	1260.7	1448.1	1870.7	2331.9	2406.8	2330.8	2039.9	1657.5	1124.3	644.9
72.5°	1028.1	1054.1	1219.7	1595.2	2161.3	2256.7	2154.0	1726.7	1171.3	644.9	328.5
75°	800.3	830.5	983.2	1268.1	1618.1	1656.2	1604.7	1204.2	643.9	266.0	149.3
77.5°	488.3	510.1	628.9	859.1	1132.2	1075.1	911.2	675.2	282.5	127.5	92.2
80°	216.0	229.4	309.9	461.5	654.1	618.4	487.5	288.3	154.5	80.9	64.4
82.5°	115.9	124.6	152.7	182.7	287.2	300.4	243.6	166.1	83.0	46.3	36.8
85°	51.0	56.0	69.4	66.2	94.3	92.8	93.6	114.1	39.7	21.3	23.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	2.9	15.2	3.9	6.3	5.5
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°	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9
2.5°	591.6	586.9	585.5	584.0	581.1	576.1	572.4	568.2	566.4	564.2	564.5
5°	576.9	571.1	565.6	558.5	549.5	539.5	532.7	524.8	520.6	516.7	517.7
7.5°	564.2	555.3	544.0	529.0	513.0	495.1	480.7	469.4	461.8	456.5	459.1
10°	556.4	545.9	526.1	501.7	474.6	447.3	426.5	407.1	395.0	385.5	385.0
12.5°	554.8	541.1	512.5	477.0	437.8	401.3	370.8	344.5	328.5	316.7	321.2
15°	556.4	539.0	500.7	454.1	404.7	355.3	317.5	287.2	268.1	257.3	256.5
17.5°	558.2	536.9	487.2	429.4	370.0	313.5	269.6	237.6	217.9	207.1	207.4
20°	559.8	533.8	471.5	402.4	334.8	274.6	229.2	198.7	181.1	173.2	174.5
22.5°	562.4	530.6	454.7	373.5	298.8	237.1	197.1	172.4	161.9	156.6	156.9
25°	567.4	528.8	437.3	341.9	263.3	207.1	175.0	158.5	151.9	148.7	148.5
27.5°	577.7	530.3	419.2	311.4	231.3	184.2	160.8	150.1	145.6	143.5	143.2
30°	594.7	536.7	403.4	280.4	203.7	166.4	151.1	144.5	141.9	140.1	139.8
32.5°	620.8	548.5	386.3	251.5	181.3	153.2	143.5	140.1	138.2	137.2	137.2
35°	660.2	570.0	369.5	226.3	164.0	143.0	137.4	136.1	134.6	134.0	134.6
37.5°	716.9	604.5	354.3	204.2	151.6	135.1	130.9	131.4	130.1	130.9	131.7
40°	789.0	650.5	341.4	186.1	142.4	129.3	125.1	126.9	126.1	126.9	128.3
42.5°	880.1	707.5	331.7	171.9	135.9	124.6	120.6	122.5	121.9	123.0	124.3
45°	981.9	782.6	327.2	161.9	131.1	121.2	116.9	118.3	117.7	118.5	119.8
47.5°	1079.4	851.0	331.1	156.1	127.2	118.3	113.8	114.3	114.1	113.8	114.6
50°	1163.5	905.4	342.4	154.3	124.6	115.4	111.2	111.4	110.6	109.1	109.6
52.5°	1232.0	949.0	349.3	154.3	123.3	112.2	108.3	108.5	107.0	104.9	105.1
55°	1277.2	966.6	343.8	154.0	122.7	109.6	105.4	105.6	104.1	101.4	101.7
57.5°	1290.1	949.5	320.6	151.1	122.2	107.5	102.5	103.0	102.0	99.1	99.1
60°	1254.1	887.0	278.3	144.5	120.9	106.2	100.4	101.2	100.7	97.8	97.8
62.5°	1159.8	775.8	227.9	134.6	117.2	104.6	98.6	100.1	101.4	99.9	99.6
65°	983.2	621.5	185.3	123.5	112.5	102.0	95.9	99.9	102.8	104.9	104.9
67.5°	737.7	444.9	151.1	112.0	105.4	96.7	92.5	96.2	98.3	99.6	100.4
70°	449.7	261.8	119.1	98.6	95.1	88.8	85.7	82.0	79.1	78.6	78.8
72.5°	220.0	149.8	96.7	83.8	81.2	75.4	68.3	66.8	65.4	64.7	64.4
75°	121.2	104.3	79.9	69.6	64.9	57.8	56.2	53.6	53.1	52.0	52.3
77.5°	85.7	82.3	66.0	56.5	49.4	45.7	46.5	44.7	44.7	43.9	43.6
80°	64.4	64.7	50.7	41.3	36.5	35.2	36.0	36.0	35.5	35.2	35.0
82.5°	40.7	46.0	34.2	26.5	26.0	26.3	26.0	25.8	26.3	25.5	25.2
85°	28.1	33.1	20.8	15.8	15.8	15.5	16.0	15.8	16.3	15.5	15.5
87.5°	6.3	14.7	7.6	4.7	5.0	4.7	5.0	5.3	5.8	6.0	6.0
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)