

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: P630060

Luminaire Tested: GWS-SA1C-830-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3092.5 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

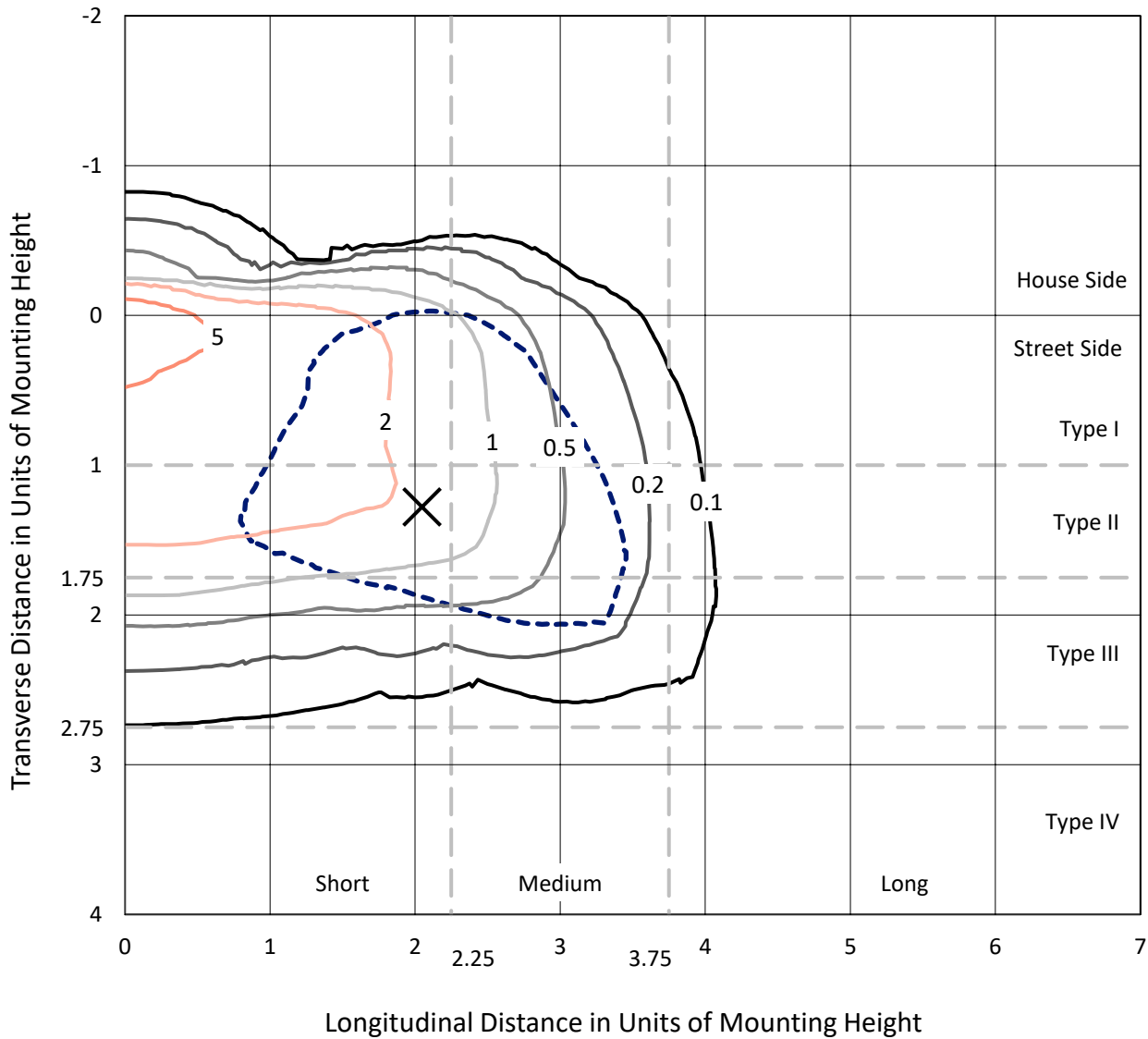
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

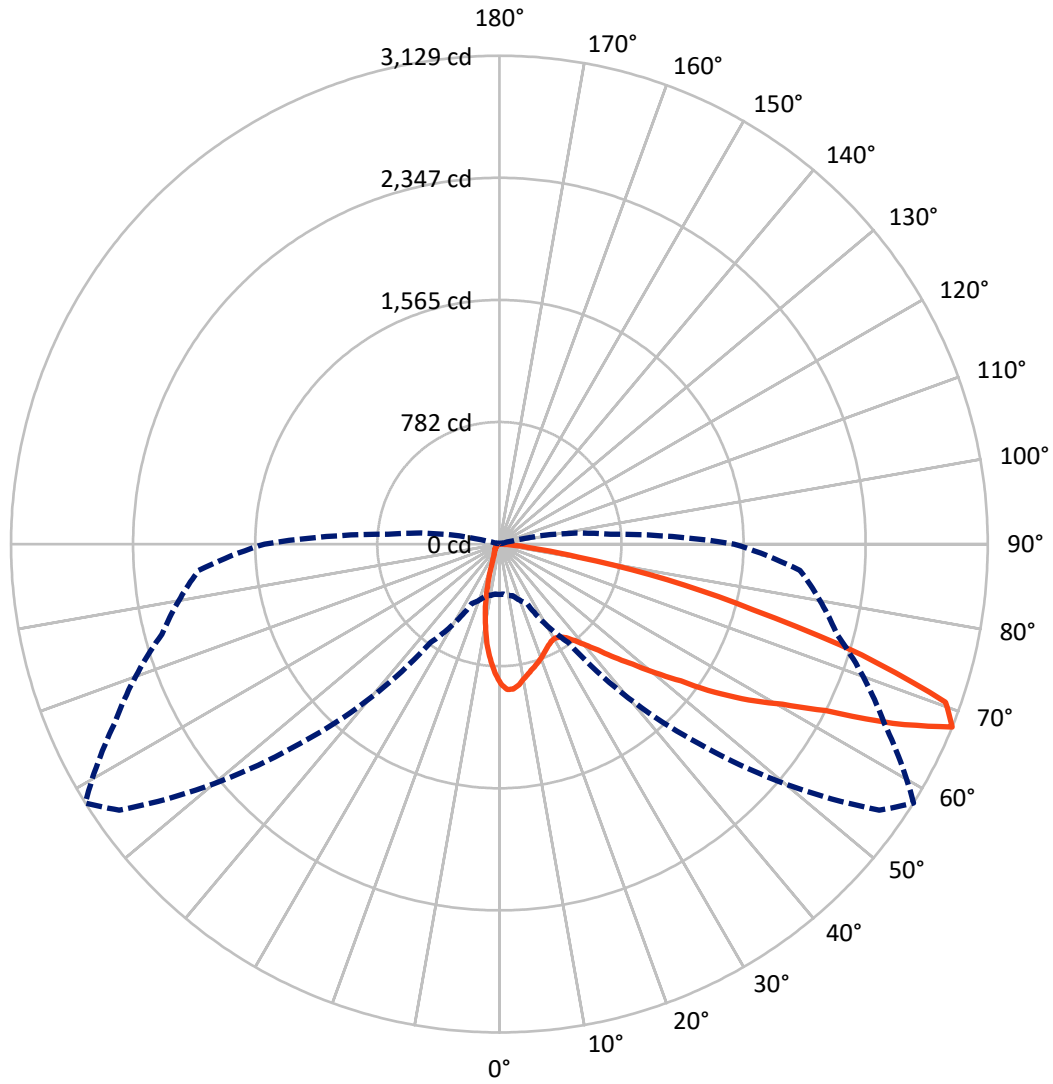
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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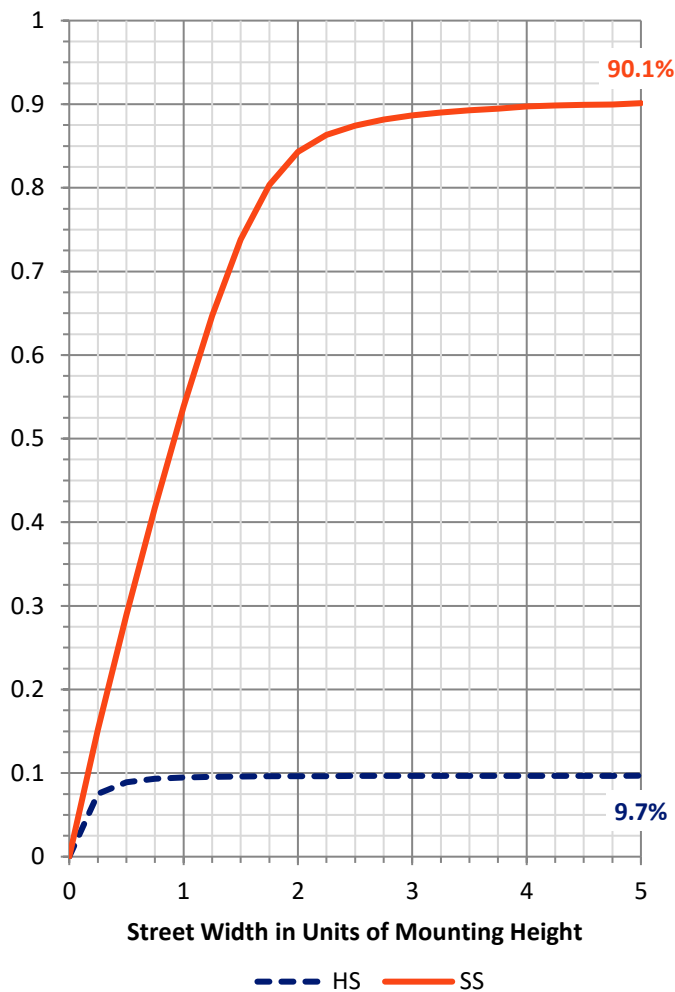
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	302.1	0.0	302.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2790.4	0.0	2790.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	3092.5	0.0	3092.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	2.3
10°-20°	150.9	4.9
20°-30°	203.5	6.6
30°-40°	285.9	9.2
40°-50°	441.6	14.3
50°-60°	706.2	22.8
60°-70°	836.2	27.0
70°-80°	369.9	12.0
80°-90°	25.9	0.8
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°	3092.5	100.0
0°-180°	3092.5	100.0

Coefficient of Utilization

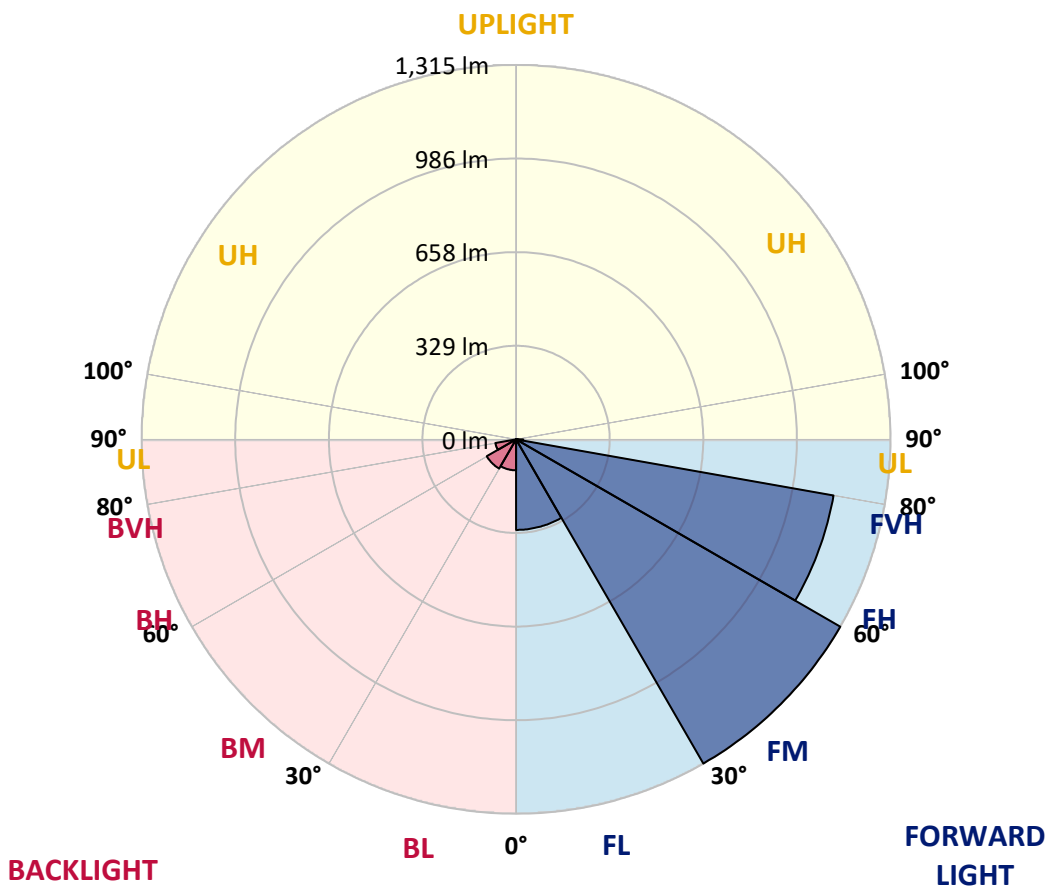


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.1	10.3			
FM (30°-60°)	1315.2	42.5			
FH (60°-80°)	1132.3	36.6			G1/1800
FVH (80°-90°)	24.8	0.8			G1/100
BL (0°-30°)	108.7	3.5	B0/110		
BM (30°-60°)	118.5	3.8	B0/220		
BH (60°-80°)	73.8	2.4	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0
2.5°	938.3	939.9	942.1	944.8	944.3	941.8	938.8	932.0	927.6	913.9	897.2
5°	908.2	907.9	913.4	918.6	927.9	932.8	939.6	933.4	931.2	914.7	887.6
7.5°	849.3	852.3	858.6	866.8	880.3	894.8	911.2	909.3	915.8	904.9	871.2
10°	791.6	789.9	799.8	812.1	832.6	851.2	875.1	874.8	892.0	890.9	852.6
12.5°	740.9	740.7	748.3	762.3	786.4	812.4	844.7	845.5	866.8	875.6	836.7
15°	698.2	698.8	706.2	720.7	745.6	777.3	814.8	821.7	845.8	863.6	821.1
17.5°	667.9	668.1	672.5	685.1	709.5	743.4	788.6	797.9	828.8	854.5	808.5
20°	653.9	652.8	653.6	659.9	678.8	709.7	761.7	773.8	813.2	848.2	797.0
22.5°	655.8	654.2	650.3	649.5	658.0	681.5	733.3	748.1	796.2	844.4	786.6
25°	672.8	669.2	663.7	655.5	652.3	664.0	708.4	723.7	780.3	844.7	778.7
27.5°	698.8	695.0	688.1	677.2	664.3	659.4	691.4	705.9	769.1	851.0	774.9
30°	731.9	728.9	722.3	709.2	691.9	671.7	687.8	699.9	763.7	863.8	776.5
32.5°	771.0	768.9	763.4	751.3	731.6	700.7	699.9	709.2	768.0	882.4	782.8
35°	808.8	809.6	809.9	803.3	782.3	744.8	733.0	736.3	786.1	910.4	797.0
37.5°	849.6	847.7	857.5	862.2	841.9	802.0	784.2	784.5	820.6	951.7	823.9
40°	880.5	881.1	902.4	921.6	913.1	874.5	849.0	848.8	873.7	1008.3	867.1
42.5°	909.5	913.1	944.6	977.4	989.2	955.0	936.6	929.8	948.1	1085.0	932.0
45°	940.5	945.7	989.7	1036.5	1067.5	1047.2	1032.7	1035.4	1037.6	1174.2	1019.3
47.5°	976.6	979.9	1034.4	1100.3	1158.1	1152.9	1153.7	1150.4	1149.3	1286.7	1134.8
50°	1020.4	1028.1	1090.7	1169.6	1248.4	1282.9	1294.4	1295.7	1278.0	1409.3	1254.4
52.5°	1113.5	1122.8	1176.4	1245.4	1346.9	1419.5	1466.3	1457.0	1429.6	1528.1	1385.5
55°	1223.2	1230.3	1282.1	1353.5	1467.4	1569.2	1680.3	1676.5	1609.4	1653.2	1493.4
57.5°	1233.6	1241.6	1321.7	1431.2	1622.0	1754.2	1871.1	1883.4	1785.1	1741.9	1589.7
60°	1116.7	1132.9	1242.4	1389.6	1681.1	2003.0	2080.2	2082.7	1914.1	1831.9	1707.4
62.5°	895.0	902.7	1013.0	1205.1	1590.0	2148.1	2399.6	2347.6	2079.7	1971.3	1893.8
65°	469.1	500.3	596.4	809.1	1289.4	2097.4	2783.9	2769.7	2377.4	2170.8	2038.9
67.5°	321.9	321.6	344.3	421.8	768.9	1805.9	2972.5	3129.1	2721.8	2239.2	1933.8
70°	245.0	245.8	266.0	316.4	398.2	1202.1	2765.6	3033.3	2785.8	2033.1	1564.0
72.5°	162.6	164.2	197.9	255.6	318.1	589.3	2149.2	2427.0	2344.1	1633.0	1100.9
75°	97.2	98.5	122.6	185.8	282.7	329.8	1365.5	1677.8	1613.5	1125.5	590.1
77.5°	40.0	41.1	63.0	115.8	206.9	256.2	755.2	1097.9	966.5	447.5	161.2
80°	16.7	17.2	30.4	81.0	149.2	160.7	349.8	515.9	396.1	96.3	49.3
82.5°	6.0	6.3	11.2	44.6	92.8	121.0	176.5	203.9	111.7	31.5	26.5
85°	0.3	0.3	2.7	15.1	35.3	34.2	101.0	97.7	37.0	13.1	15.9
87.5°	0.0	0.0	0.3	0.3	0.5	1.4	9.6	17.0	7.9	3.3	6.8
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°	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0	892.0
2.5°	886.3	871.8	855.9	841.1	817.6	803.6	786.4	778.7	767.8	765.0	766.7
5°	868.2	843.3	805.3	770.8	726.2	690.3	654.2	638.8	619.1	606.0	600.5
7.5°	842.8	810.2	750.8	688.1	626.8	561.4	511.6	478.7	448.9	432.5	429.2
10°	817.0	774.6	689.5	599.7	504.7	426.4	359.1	309.3	268.8	250.4	236.2
12.5°	790.5	737.6	627.1	509.9	399.6	292.9	209.7	161.2	132.2	120.7	122.6
15°	766.1	702.1	565.2	420.1	281.4	176.8	115.8	97.7	90.9	88.7	88.4
17.5°	742.8	668.4	503.6	332.8	185.6	108.4	88.7	84.3	82.4	81.3	81.3
20°	721.8	636.1	443.4	250.7	119.9	85.9	80.2	78.0	76.4	75.5	75.5
22.5°	702.1	604.9	384.6	177.4	88.4	77.2	73.6	71.4	69.5	68.4	68.4
25°	684.3	576.7	328.5	122.1	76.1	70.6	66.8	64.3	61.0	59.1	59.1
27.5°	671.4	551.5	274.5	89.0	68.7	63.5	59.1	55.8	52.3	50.1	49.5
30°	663.7	530.2	220.1	73.1	61.9	56.7	51.7	47.6	43.5	41.3	41.1
32.5°	659.4	510.5	170.2	63.8	56.1	50.1	44.6	40.2	36.1	33.7	33.4
35°	661.0	495.1	127.5	57.5	50.6	44.3	38.3	33.9	30.4	28.2	27.6
37.5°	675.2	488.3	95.8	52.6	46.0	39.4	33.1	29.0	25.7	24.1	23.8
40°	702.9	489.7	75.3	48.7	42.2	34.5	28.5	24.6	22.2	20.8	20.5
42.5°	745.9	501.2	62.1	45.4	38.0	30.1	24.6	21.6	19.2	17.8	17.5
45°	809.9	525.0	54.2	41.6	33.7	26.0	21.3	18.6	16.4	14.8	14.5
47.5°	902.7	566.3	49.0	38.0	29.8	22.4	18.3	15.6	13.7	12.3	12.0
50°	1001.5	615.8	44.6	34.5	26.5	19.4	15.6	12.9	11.2	9.9	9.6
52.5°	1106.9	669.2	41.3	31.2	23.5	16.7	13.1	10.7	9.0	7.7	7.4
55°	1208.2	722.9	37.5	29.0	20.0	14.2	10.9	8.8	7.1	6.0	6.0
57.5°	1306.7	772.1	33.4	25.5	16.4	12.0	9.0	7.1	5.7	4.9	4.7
60°	1424.4	840.3	28.7	21.6	13.7	10.1	7.4	5.7	4.7	3.8	3.8
62.5°	1599.3	911.2	24.6	18.1	11.5	8.5	6.0	4.7	3.8	3.3	3.0
65°	1656.5	872.9	20.8	14.8	9.3	6.8	4.9	4.1	3.3	3.0	2.7
67.5°	1503.8	715.5	17.2	12.0	7.7	5.7	4.4	3.6	3.0	2.7	2.5
70°	1173.4	507.7	13.4	9.0	6.3	4.7	3.8	3.3	2.7	2.5	2.5
72.5°	798.1	300.3	10.7	6.8	5.2	4.1	3.3	3.0	2.7	2.5	2.2
75°	393.0	106.7	8.2	5.2	4.1	3.6	3.0	2.7	2.5	2.2	2.2
77.5°	105.9	29.6	6.3	4.1	3.3	2.7	2.7	2.7	2.5	1.9	1.9
80°	35.9	12.3	4.7	3.0	2.7	2.2	1.9	2.5	2.2	1.9	1.6
82.5°	19.7	6.0	3.3	2.5	1.9	1.6	1.6	1.6	1.6	1.4	1.4
85°	12.6	3.3	2.2	1.9	1.9	1.4	1.1	1.1	0.8	0.8	0.8
87.5°	5.7	1.9	1.9	1.6	1.6	1.4	0.8	0.5	0.3	0.3	0.3
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)