

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: P629891

Luminaire Tested: GWS-SA1C-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3897.6 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

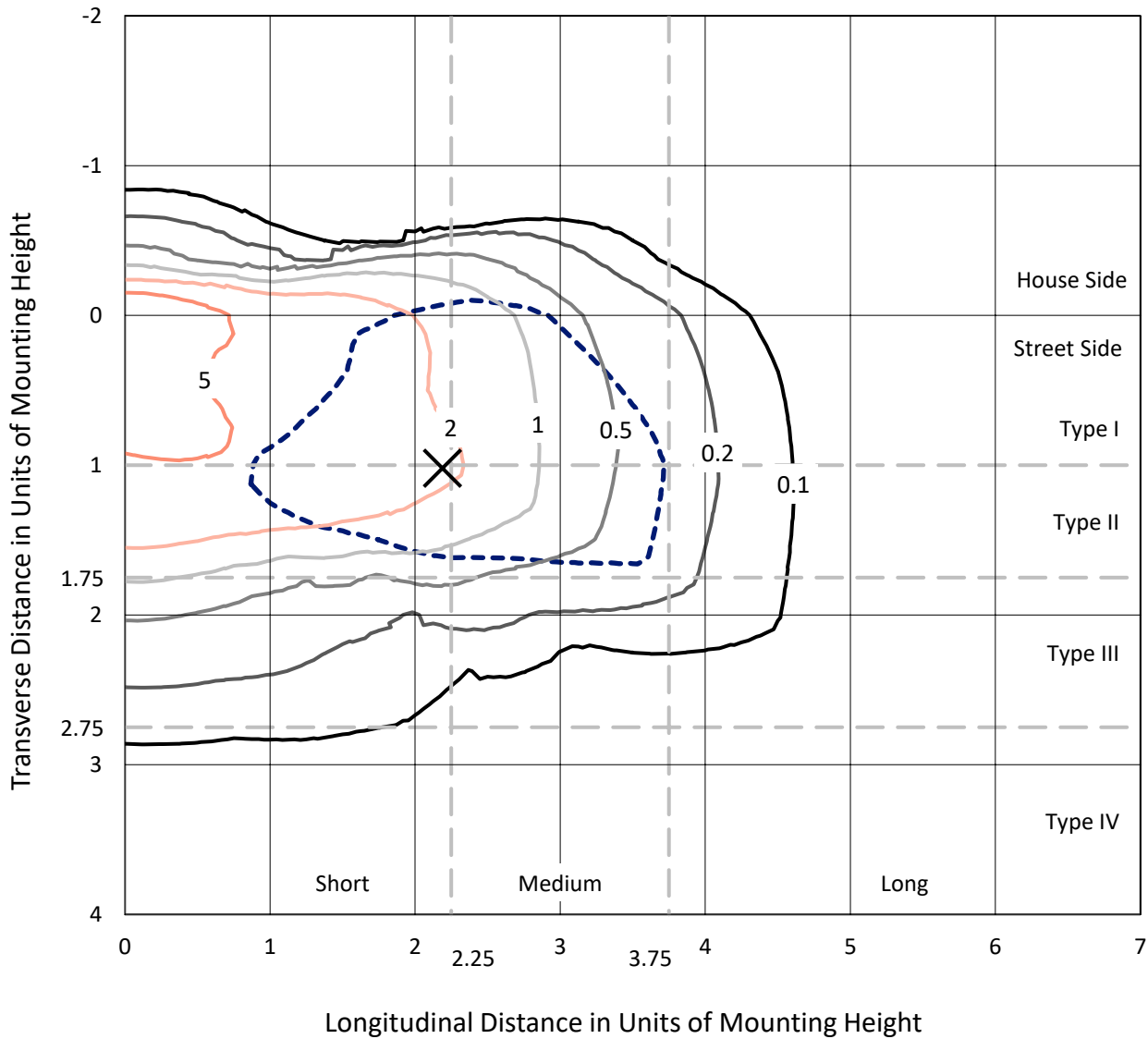
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

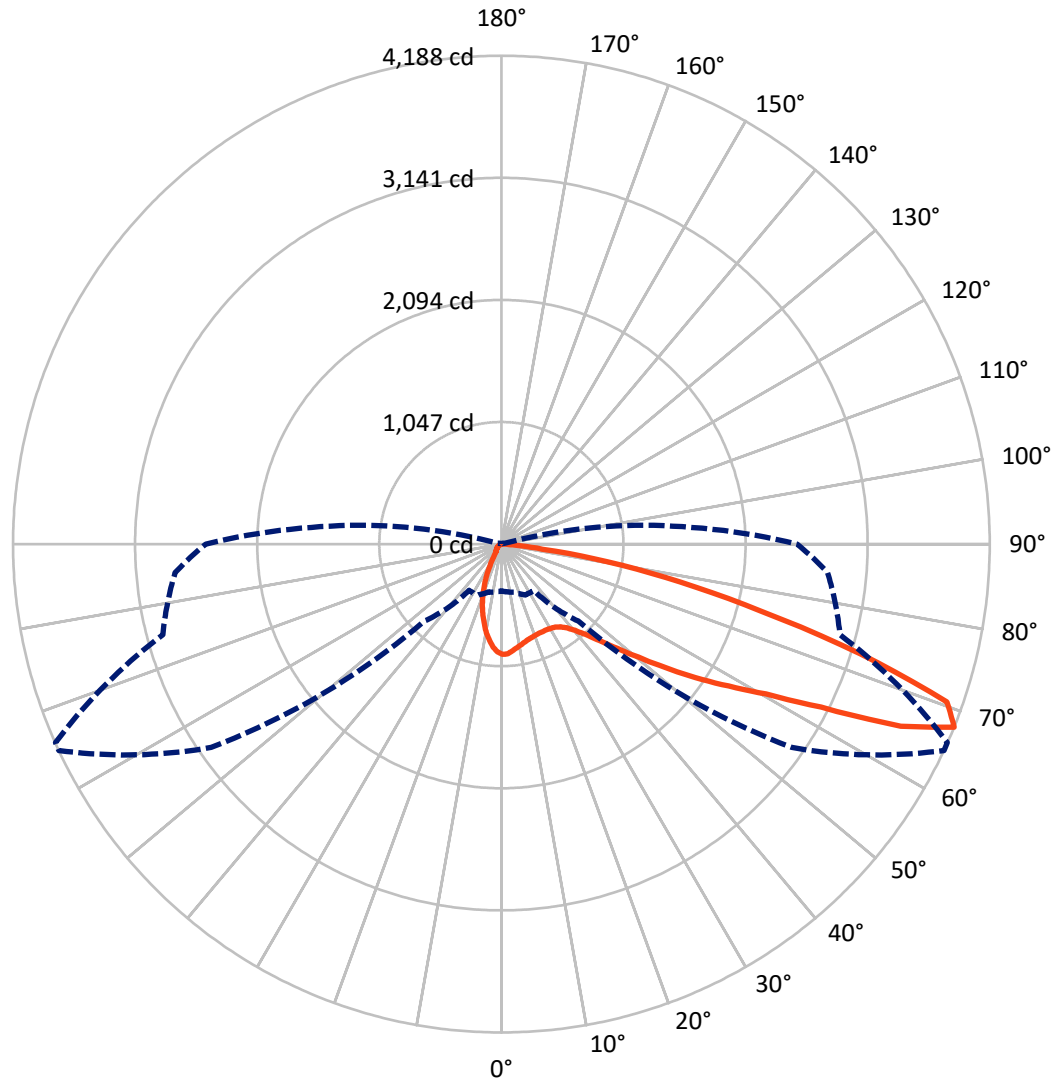
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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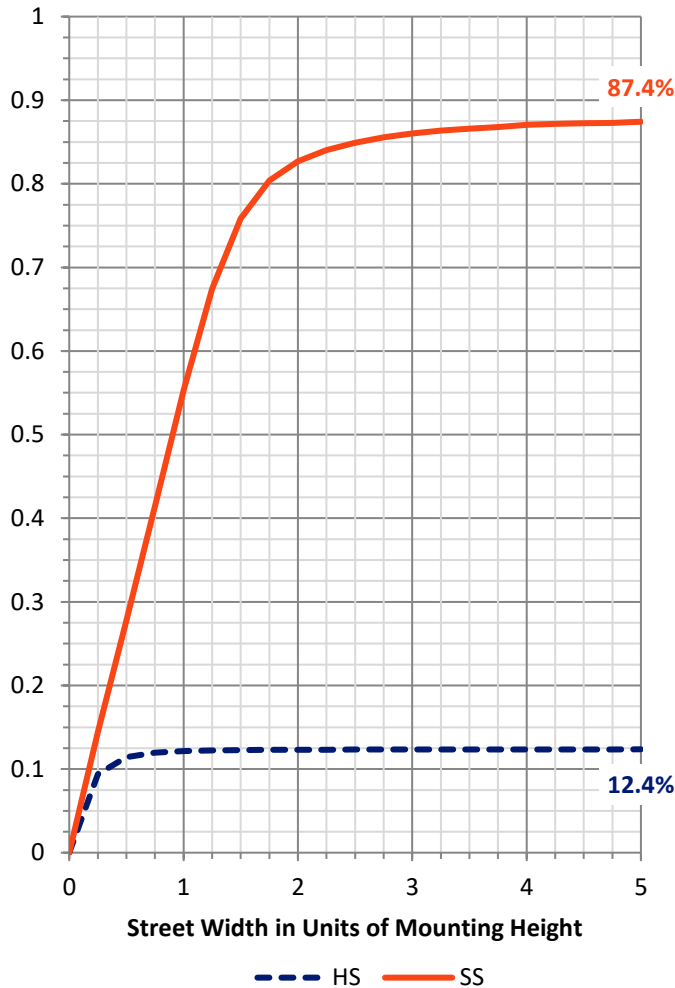
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	486.7	0.0	486.7
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3410.9	0.0	3410.9
	% Fixture	87.5	0.0	87.5
Total	Lumens	3897.6	0.0	3897.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	2.0
10°-20°	176.5	4.5
20°-30°	252.2	6.5
30°-40°	366.9	9.4
40°-50°	574.6	14.7
50°-60°	896.5	23.0
60°-70°	984.7	25.3
70°-80°	524.1	13.4
80°-90°	43.6	1.1
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°	3897.6	100.0
0°-180°	3897.6	100.0

Coefficient of Utilization

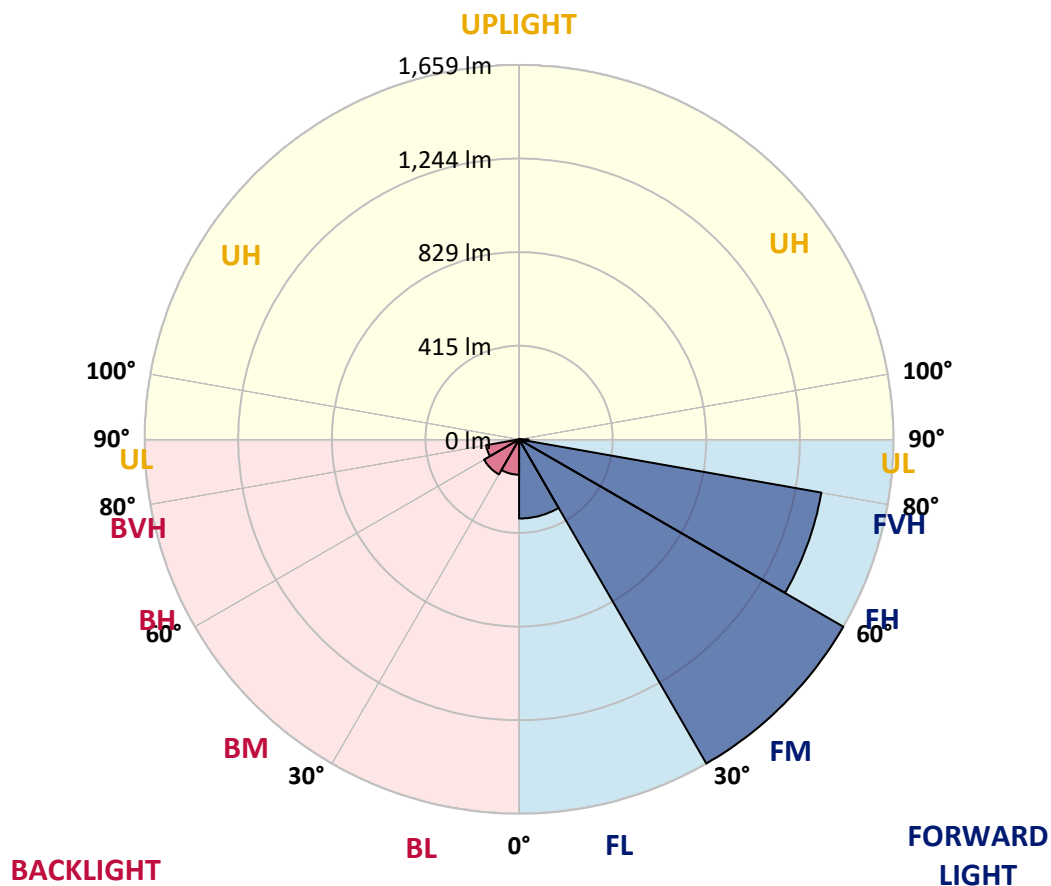


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.8	9.0			
FM (30°-60°)	1658.7	42.6			
FH (60°-80°)	1360.1	34.9			G1/1800
FVH (80°-90°)	41.3	1.1			G1/100
BL (0°-30°)	156.4	4.0	B1/500		
BM (30°-60°)	179.3	4.6	B0/220		
BH (60°-80°)	148.7	3.8	B1/500		G1/500
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3
2.5°	912.5	915.3	911.5	921.0	922.7	933.3	939.3	943.5	943.2	948.5	948.5
5°	858.9	861.8	859.6	869.9	878.0	894.5	908.3	924.1	924.8	941.1	947.1
7.5°	813.5	813.8	813.8	826.5	837.1	857.5	878.0	902.3	905.1	930.1	946.0
10°	776.1	777.2	777.5	792.0	803.6	828.3	854.4	883.6	886.8	920.6	945.3
12.5°	750.4	750.7	752.1	767.3	780.0	805.7	832.2	865.6	869.9	909.7	942.1
15°	738.0	737.3	738.0	750.7	763.4	788.1	815.2	851.2	855.8	900.5	942.5
17.5°	737.3	736.3	735.6	745.1	753.2	775.1	802.5	841.7	846.6	896.3	946.3
20°	747.6	746.9	743.3	747.6	749.3	767.3	794.4	834.3	839.2	895.6	954.8
22.5°	774.3	772.6	767.3	763.4	753.9	764.5	788.8	829.0	834.6	897.4	965.7
25°	814.2	813.5	806.8	797.3	772.9	768.7	789.2	829.0	834.3	899.5	977.4
27.5°	874.1	869.9	861.4	844.8	809.9	785.3	796.2	831.1	836.4	902.3	986.9
30°	935.1	934.7	931.9	915.0	863.2	817.0	811.0	836.7	841.7	904.8	995.7
32.5°	998.2	999.2	1006.3	993.2	936.5	864.2	837.8	848.4	851.9	909.7	1003.4
35°	1058.1	1060.2	1078.9	1083.5	1025.7	935.8	881.5	871.6	872.0	920.6	1013.7
37.5°	1115.5	1122.6	1152.5	1174.7	1136.7	1022.5	944.6	911.1	908.3	942.5	1029.2
40°	1180.7	1194.1	1231.8	1269.6	1257.6	1137.0	1030.6	971.7	965.7	982.7	1057.0
42.5°	1253.0	1267.4	1317.5	1370.4	1376.0	1275.5	1138.1	1060.2	1050.0	1050.3	1109.2
45°	1330.5	1349.9	1408.1	1484.2	1518.4	1429.9	1270.6	1179.7	1169.5	1154.3	1193.1
47.5°	1432.4	1449.3	1505.3	1593.1	1658.7	1595.6	1444.4	1333.3	1314.7	1292.5	1323.5
50°	1520.1	1535.0	1583.2	1693.2	1829.6	1809.2	1641.4	1525.4	1507.5	1469.7	1495.5
52.5°	1539.5	1551.2	1595.6	1719.3	1960.4	2078.8	1882.8	1757.7	1745.0	1675.2	1685.1
55°	1452.5	1470.1	1509.9	1647.4	1994.6	2342.4	2196.2	2019.6	1993.1	1881.8	1899.4
57.5°	1232.5	1263.9	1301.3	1480.0	1901.9	2482.7	2633.9	2297.0	2273.0	2080.6	2080.9
60°	903.3	928.7	953.7	1117.3	1681.9	2473.2	3031.1	2608.5	2564.8	2243.0	2237.0
62.5°	657.0	670.0	669.7	727.8	1155.0	2310.4	3239.8	3078.0	2976.2	2416.8	2382.6
65°	516.7	516.4	531.5	550.5	645.0	1783.4	3265.5	3763.5	3653.6	2649.8	2578.6
67.5°	402.2	409.9	425.1	481.1	484.6	933.3	3039.2	4187.5	4185.4	3005.4	2808.0
70°	310.2	320.7	342.2	424.0	447.6	522.3	2274.1	4053.3	4087.4	3164.4	2645.5
72.5°	199.1	198.4	230.2	342.6	430.0	435.3	1257.6	3219.7	3258.5	2866.2	2139.1
75°	111.4	112.1	130.1	209.7	400.7	409.6	622.8	2295.9	2326.6	2234.6	1643.5
77.5°	43.7	45.1	61.0	110.3	264.3	365.9	370.1	1565.6	1570.2	1384.8	1008.0
80°	17.6	18.7	31.0	68.4	161.1	246.4	264.3	922.4	903.7	536.1	293.2
82.5°	5.3	5.6	12.3	38.8	84.2	175.2	178.3	353.9	334.1	115.3	74.7
85°	0.4	0.4	2.8	12.0	30.0	44.1	118.8	115.3	102.2	28.9	33.1
87.5°	0.0	0.0	0.4	0.4	0.7	1.4	12.7	21.1	21.5	5.3	14.8
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°	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3	945.3
2.5°	948.5	935.8	934.7	924.8	915.0	902.6	888.2	877.6	870.2	857.2	854.7
5°	947.1	930.1	914.3	886.1	854.7	820.9	791.3	763.8	746.5	734.9	729.9
7.5°	944.2	922.7	886.1	832.9	780.3	721.1	675.0	632.7	603.8	586.8	579.4
10°	942.1	913.2	853.7	772.9	691.5	609.8	539.6	476.9	442.0	414.5	409.9
12.5°	937.9	899.5	812.1	702.8	597.8	489.2	399.7	322.9	269.6	245.7	237.2
15°	933.7	885.0	770.5	628.8	495.6	361.6	253.1	179.0	142.4	131.1	130.4
17.5°	933.0	872.0	725.4	558.6	388.4	236.9	144.2	116.0	108.2	105.4	105.4
20°	935.1	861.1	680.9	477.9	283.0	144.2	107.5	100.5	95.9	93.4	93.4
22.5°	937.2	849.8	638.3	396.5	187.9	105.4	94.8	88.8	83.5	80.7	79.3
25°	938.6	837.4	591.1	314.7	122.7	91.6	83.2	75.4	69.1	65.6	65.6
27.5°	938.2	822.6	543.5	234.7	95.2	81.4	71.2	63.1	56.7	52.9	53.2
30°	935.4	806.4	494.1	163.9	83.2	71.2	61.0	52.5	46.2	43.0	42.6
32.5°	933.3	789.2	437.0	115.3	74.7	62.4	51.8	43.7	38.4	36.0	35.6
35°	930.8	772.2	382.8	87.8	67.3	53.9	43.7	37.0	32.8	30.7	30.7
37.5°	931.5	754.6	323.9	75.4	59.9	46.9	37.4	31.7	28.2	26.1	25.7
40°	942.5	744.0	266.1	68.4	53.2	40.5	32.4	27.5	24.0	21.9	21.5
42.5°	969.6	744.4	210.8	63.1	47.2	34.5	28.2	23.6	20.4	18.0	17.6
45°	1023.9	759.2	161.8	57.5	40.9	30.0	24.3	20.1	16.9	14.8	14.5
47.5°	1112.7	803.3	122.7	52.5	35.6	26.1	20.8	16.9	14.1	12.3	12.0
50°	1254.0	882.9	96.6	46.5	30.0	22.6	17.6	14.1	11.6	9.9	9.5
52.5°	1423.9	1002.4	82.8	41.2	25.7	19.7	15.2	11.6	9.5	8.1	7.8
55°	1619.2	1145.1	76.5	36.0	21.9	16.9	12.3	9.5	7.8	6.7	6.0
57.5°	1798.2	1273.8	76.1	30.7	18.7	14.5	10.2	8.1	6.7	5.3	4.9
60°	1972.7	1381.3	71.5	25.4	16.2	12.0	8.8	6.7	5.6	4.6	4.2
62.5°	2131.0	1468.7	59.9	20.4	13.7	9.9	7.4	6.0	4.9	3.9	3.9
65°	2329.7	1580.1	45.8	16.6	11.3	8.1	6.3	5.3	4.6	3.5	3.5
67.5°	2535.2	1638.9	32.8	13.7	9.2	7.0	5.6	4.9	3.9	3.2	3.2
70°	2296.3	1384.8	23.6	11.3	7.8	6.0	4.9	4.6	3.9	3.2	2.8
72.5°	1793.3	998.5	17.6	8.8	6.7	5.6	4.6	4.2	3.5	2.8	2.8
75°	1329.8	582.3	13.4	7.0	5.3	4.6	4.6	4.2	3.5	2.8	2.5
77.5°	722.9	203.0	10.2	5.6	4.2	3.5	3.9	3.9	3.2	2.5	2.1
80°	191.4	55.7	7.0	4.2	3.5	2.8	2.8	3.5	2.8	2.1	2.1
82.5°	55.7	16.2	4.9	3.5	2.8	2.5	2.5	2.5	2.1	1.8	1.4
85°	27.1	6.0	3.5	2.8	2.5	2.1	1.8	1.8	1.4	1.1	1.1
87.5°	12.0	2.5	2.8	2.5	2.5	1.8	1.4	1.1	1.1	0.7	0.4
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)