

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: P629391

Luminaire Tested: GWS-SA1B-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3074.4 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

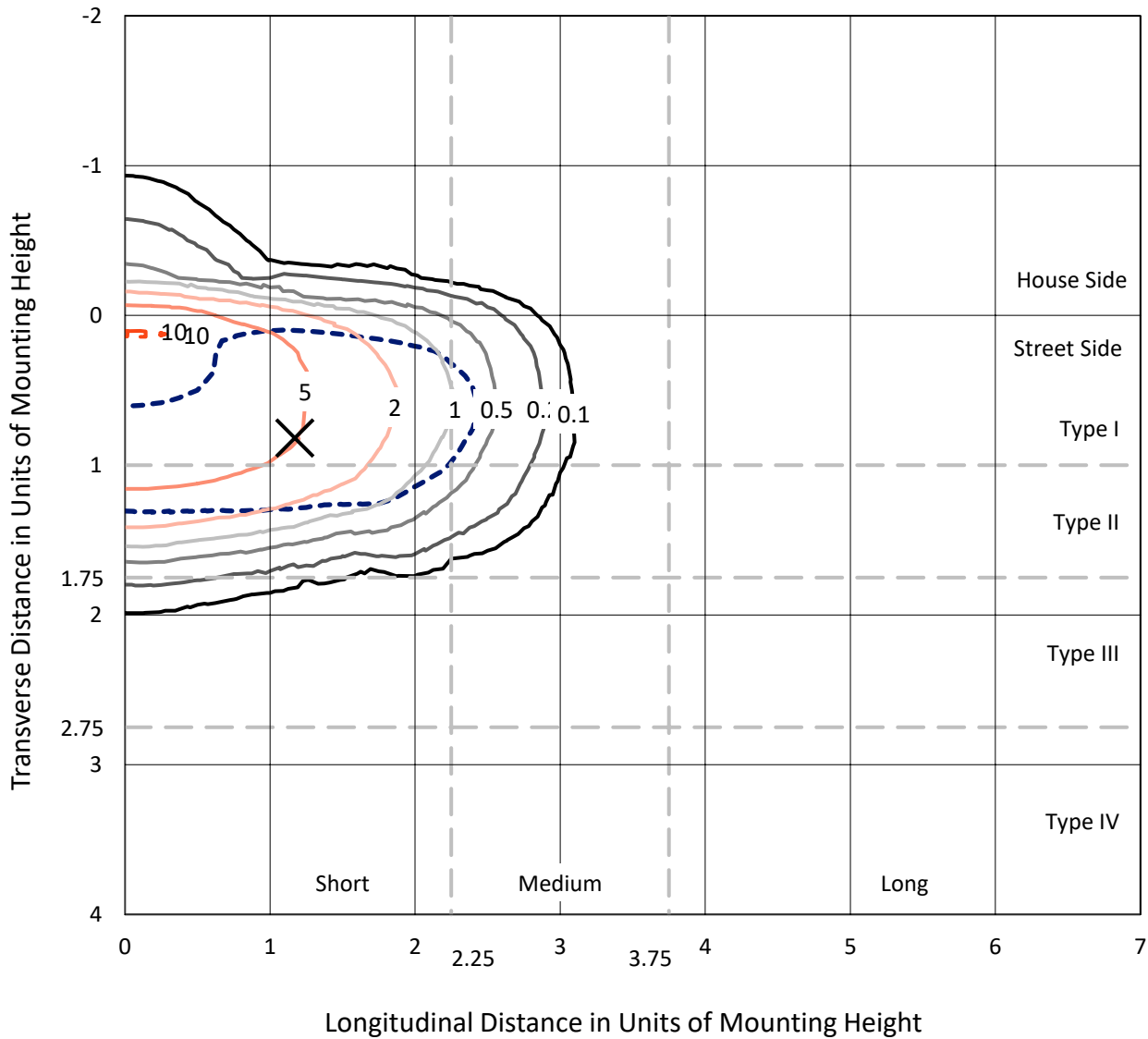
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

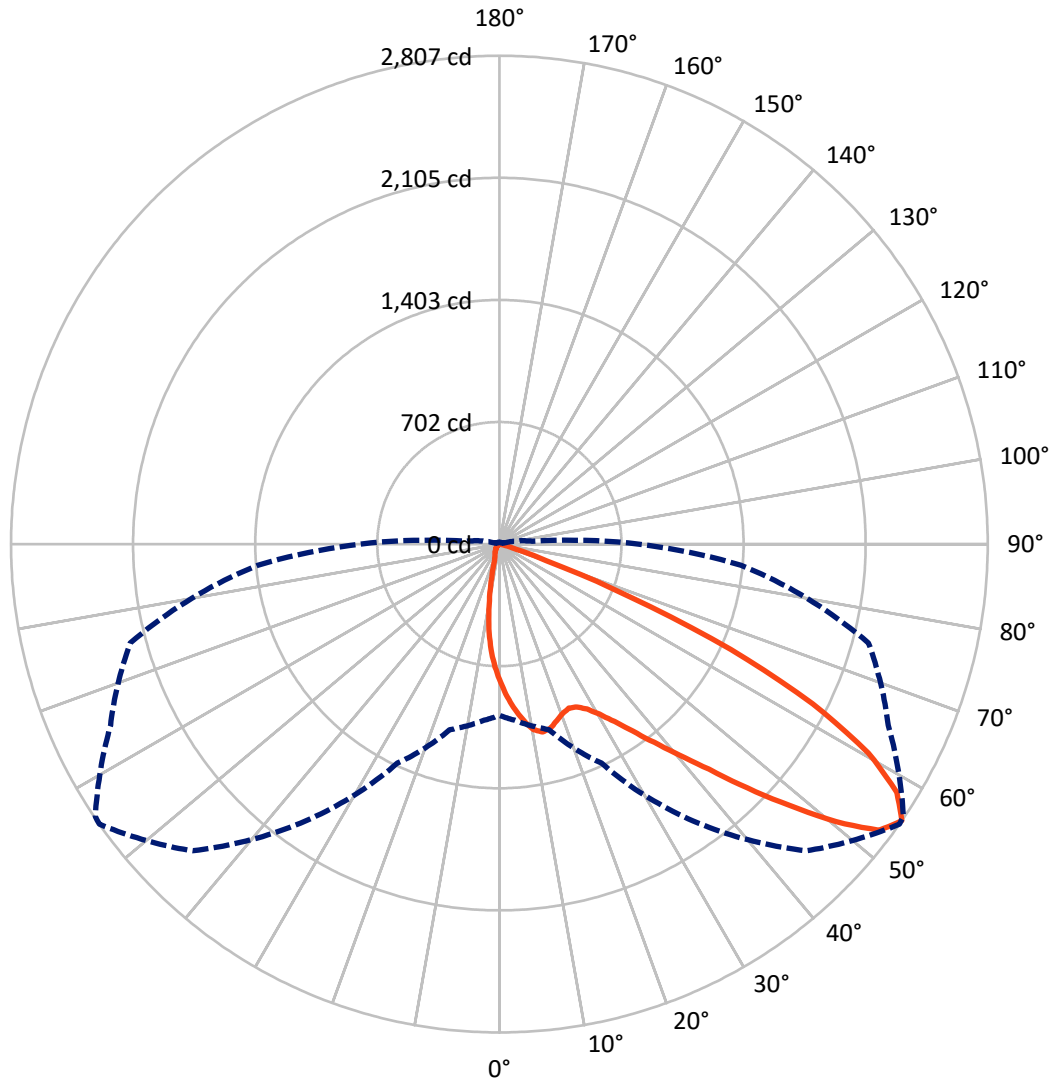
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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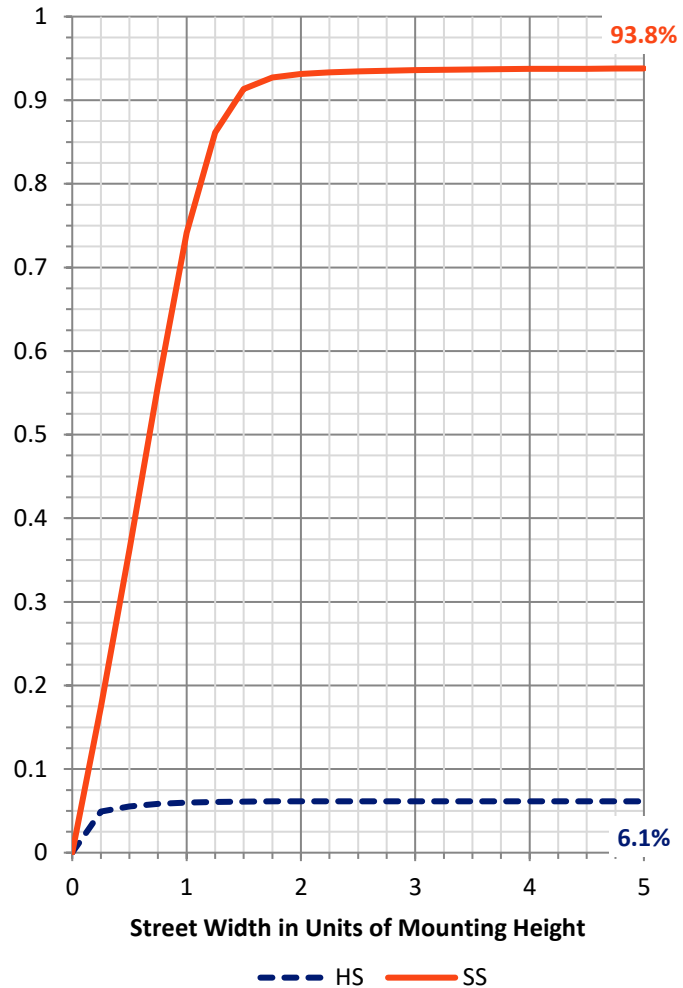
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	189.7	0.0	189.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2884.7	0.0	2884.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	3074.4	0.0	3074.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	2.3
10°-20°	169.2	5.5
20°-30°	281.8	9.2
30°-40°	480.2	15.6
40°-50°	783.9	25.5
50°-60°	820.7	26.7
60°-70°	414.0	13.5
70°-80°	52.3	1.7
80°-90°	2.0	0.1
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°	3074.4	100.0
0°-180°	3074.4	100.0

Coefficient of Utilization

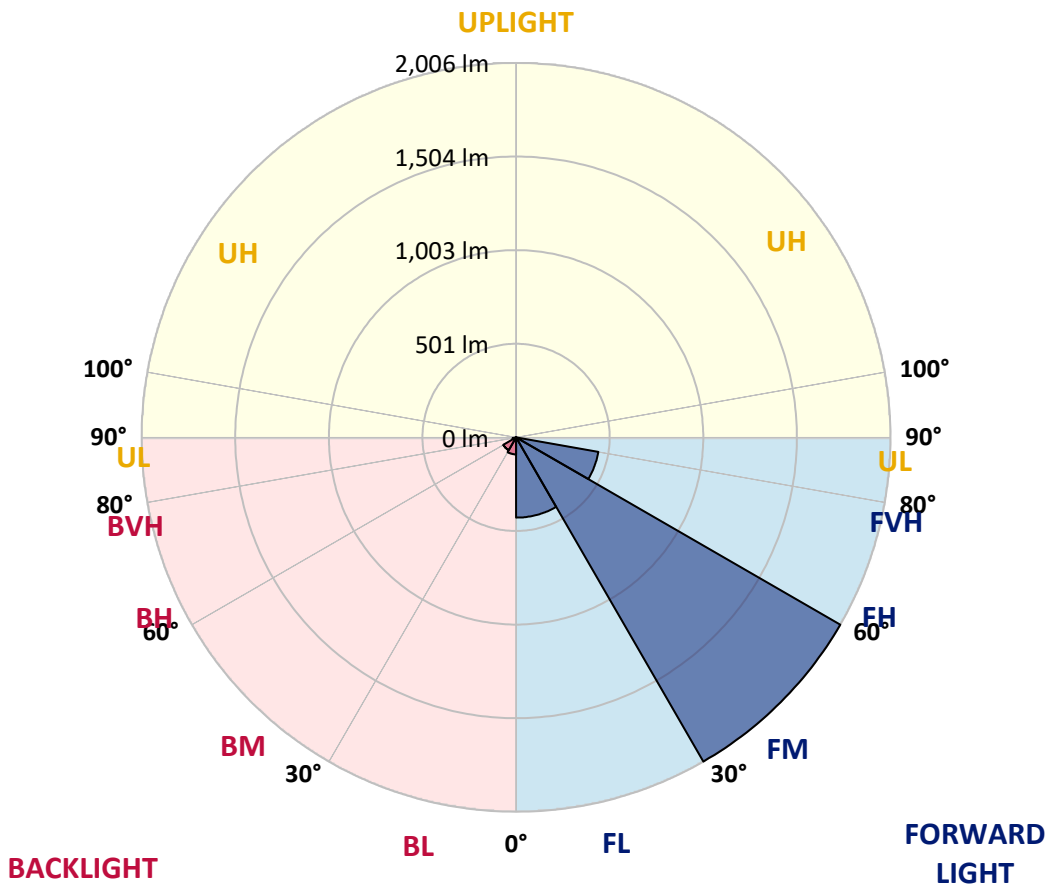


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.1	14.0			
FM (30°-60°)	2005.6	65.2			
FH (60°-80°)	447.2	14.5			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	91.2	3.0	B0/110		
BM (30°-60°)	79.3	2.6	B0/220		
BH (60°-80°)	19.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2
2.5°	925.9	921.5	928.3	920.4	907.0	895.7	881.0	875.7	852.1	829.7	808.2
5°	1038.4	1039.7	1037.6	1026.6	1007.7	986.6	956.9	950.4	909.1	866.5	820.5
7.5°	1066.3	1065.5	1069.9	1074.1	1071.0	1060.5	1028.2	1021.6	970.3	906.5	839.5
10°	980.3	980.8	990.0	1018.4	1053.6	1090.2	1085.2	1081.5	1031.3	951.7	860.5
12.5°	858.9	863.6	873.4	913.8	973.5	1056.5	1108.1	1111.7	1087.3	1001.3	885.2
15°	806.3	807.4	815.3	839.7	884.1	986.6	1098.3	1108.6	1134.1	1051.3	912.0
17.5°	805.0	806.3	809.8	820.5	849.4	931.7	1067.1	1084.9	1169.3	1104.9	944.1
20°	854.4	853.6	851.3	845.5	858.1	913.6	1038.1	1057.9	1188.5	1157.2	976.4
22.5°	944.1	943.0	932.5	908.6	898.3	930.1	1024.0	1041.8	1200.0	1203.7	1002.9
25°	1047.3	1054.7	1035.0	998.7	973.5	972.4	1036.6	1049.2	1210.0	1245.0	1021.1
27.5°	1160.6	1163.0	1146.2	1105.4	1068.9	1040.2	1073.1	1082.6	1221.1	1281.8	1031.3
30°	1284.9	1284.1	1265.0	1217.6	1173.2	1132.0	1134.6	1138.3	1246.8	1323.8	1042.6
32.5°	1440.3	1443.7	1409.5	1345.1	1291.8	1234.7	1215.0	1215.5	1293.3	1378.0	1059.7
35°	1651.3	1642.9	1597.7	1506.0	1415.0	1353.5	1319.9	1317.0	1365.1	1450.8	1089.4
37.5°	1852.4	1853.2	1805.8	1704.9	1590.1	1493.1	1445.5	1437.6	1466.0	1551.7	1138.8
40°	1991.9	1994.5	1974.8	1922.0	1800.3	1663.1	1593.2	1585.1	1596.9	1679.4	1203.5
42.5°	2065.8	2073.1	2078.7	2091.0	1998.8	1875.5	1768.0	1767.2	1754.9	1825.0	1278.4
45°	2068.7	2079.7	2113.3	2197.7	2208.2	2117.8	2000.9	1983.2	1935.7	1980.9	1345.4
47.5°	1954.3	1979.8	2051.3	2218.5	2328.9	2358.8	2242.9	2232.1	2098.6	2104.1	1395.6
50°	1687.8	1714.4	1846.1	2112.0	2359.3	2550.2	2508.6	2486.3	2234.8	2185.6	1419.8
52.5°	1414.5	1438.7	1528.0	1858.7	2232.9	2610.3	2732.5	2706.0	2357.0	2214.0	1409.8
55°	984.3	1016.6	1103.8	1389.3	1941.7	2493.1	2806.7	2801.1	2466.0	2196.1	1394.3
57.5°	482.5	514.6	601.6	856.5	1438.4	2176.7	2693.4	2722.6	2531.2	2176.9	1381.6
60°	201.6	214.7	244.7	375.8	804.8	1645.0	2437.7	2478.1	2491.3	2150.9	1380.3
62.5°	117.0	119.1	122.2	155.9	313.0	943.0	2022.1	2079.7	2281.3	2116.5	1359.6
65°	88.3	89.1	87.8	95.7	129.3	357.7	1461.0	1539.3	1904.1	1981.9	1277.6
67.5°	72.5	72.5	69.1	70.7	81.2	134.0	806.6	915.9	1409.0	1629.0	1055.0
70°	57.8	59.1	57.6	55.5	58.1	74.1	287.0	355.9	820.5	961.9	615.3
72.5°	43.9	43.9	46.5	44.9	43.1	46.5	100.1	112.5	329.3	401.1	222.1
75°	33.9	35.0	36.8	35.2	32.6	27.6	48.1	51.0	99.3	93.3	49.7
77.5°	17.3	17.6	23.4	25.8	24.2	16.8	21.0	23.1	32.3	28.9	18.4
80°	10.5	11.0	13.1	20.2	16.0	8.9	8.7	9.2	15.2	13.1	7.6
82.5°	4.5	4.7	7.4	7.4	6.6	3.4	3.4	3.4	7.4	6.8	3.2
85°	0.0	0.0	1.3	1.1	1.1	1.3	1.3	1.3	1.8	2.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
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°	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2
2.5°	794.2	777.4	754.8	734.3	706.7	691.2	669.7	652.1	637.1	632.3	630.2
5°	794.5	765.6	717.2	668.9	609.5	562.7	514.6	476.5	445.2	435.2	432.6
7.5°	799.8	757.2	678.9	591.1	491.7	409.7	336.4	270.7	240.2	230.0	227.9
10°	806.9	750.1	634.4	497.8	355.1	249.7	176.9	134.8	114.9	103.8	105.4
12.5°	816.1	744.3	585.3	396.9	235.0	137.2	97.2	81.5	77.3	75.2	74.1
15°	828.4	737.5	524.3	296.7	144.0	88.3	74.9	70.7	69.1	68.1	67.8
17.5°	841.0	729.6	462.3	208.7	95.7	73.3	67.3	65.2	64.1	63.3	63.1
20°	854.4	716.2	389.5	143.8	75.4	66.0	62.0	59.7	58.3	57.0	56.8
22.5°	860.2	694.6	319.9	100.7	67.0	60.7	55.7	52.8	51.3	50.2	50.2
25°	854.7	659.7	247.8	76.5	61.0	54.9	49.9	46.8	45.5	44.4	44.4
27.5°	840.0	614.7	180.8	63.3	54.4	48.9	44.2	41.3	40.2	39.7	39.7
30°	823.7	558.0	127.5	54.4	47.0	42.6	38.6	36.8	36.5	36.0	36.0
32.5°	809.8	504.9	87.8	47.8	41.5	37.1	34.4	33.6	33.9	33.4	33.6
35°	802.1	452.8	65.2	42.6	37.1	32.9	31.5	31.5	31.5	31.3	31.3
37.5°	805.3	401.6	53.1	38.9	33.1	30.0	28.6	29.2	29.7	29.7	29.7
40°	821.1	356.1	47.0	35.5	29.7	27.3	26.3	27.1	27.9	28.4	28.4
42.5°	841.0	319.3	42.6	32.6	27.3	24.7	24.2	25.0	25.8	26.3	26.3
45°	853.6	282.3	38.1	28.9	25.0	21.8	21.8	22.9	22.6	22.9	22.9
47.5°	859.4	252.8	33.6	25.0	21.3	18.9	19.2	19.7	19.2	19.7	19.7
50°	845.2	223.1	29.7	20.8	17.6	16.6	17.1	16.8	16.8	17.9	17.9
52.5°	819.2	201.1	26.3	17.6	15.0	14.7	15.2	14.2	14.5	14.5	14.2
55°	800.0	188.4	23.4	15.2	12.9	13.1	12.9	11.0	10.0	8.9	8.7
57.5°	790.6	183.4	21.3	13.7	11.6	11.6	10.5	7.6	5.8	4.5	3.9
60°	788.5	177.4	19.2	11.8	10.3	9.7	7.6	4.5	2.9	2.1	1.8
62.5°	768.5	162.7	17.3	9.5	8.9	7.9	4.7	2.6	1.6	1.1	0.8
65°	703.0	133.8	15.5	7.4	6.8	5.8	2.9	1.6	0.8	0.3	0.0
67.5°	559.3	94.9	13.7	5.5	4.7	3.7	1.8	1.1	0.3	0.0	0.0
70°	322.5	51.3	11.3	3.9	3.2	2.4	1.3	0.5	0.0	0.0	0.0
72.5°	107.8	23.9	8.7	2.6	2.4	1.8	0.8	0.3	0.0	0.0	0.0
75°	23.7	14.2	5.8	1.8	1.6	1.3	0.5	0.0	0.0	0.0	0.0
77.5°	8.9	10.0	2.9	1.3	1.1	0.8	0.3	0.0	0.0	0.0	0.0
80°	3.4	6.6	1.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	2.6	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.1	1.3	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)