

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: P628731

Luminaire Tested: GWS-SA1A-730-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628731
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-SA1A-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2171.6 lumens
Efficiency: N/A
Efficacy: 110.2 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

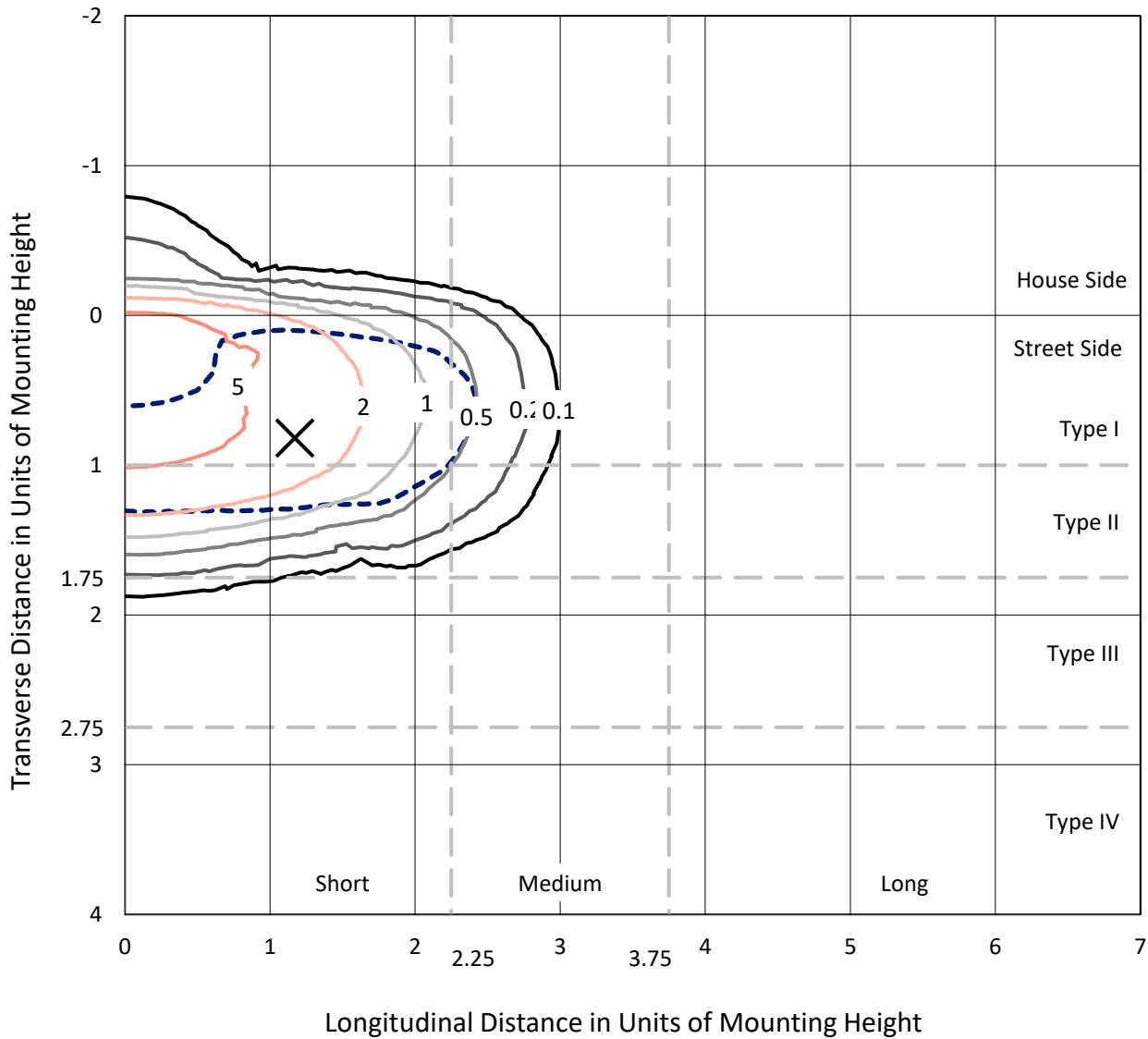
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

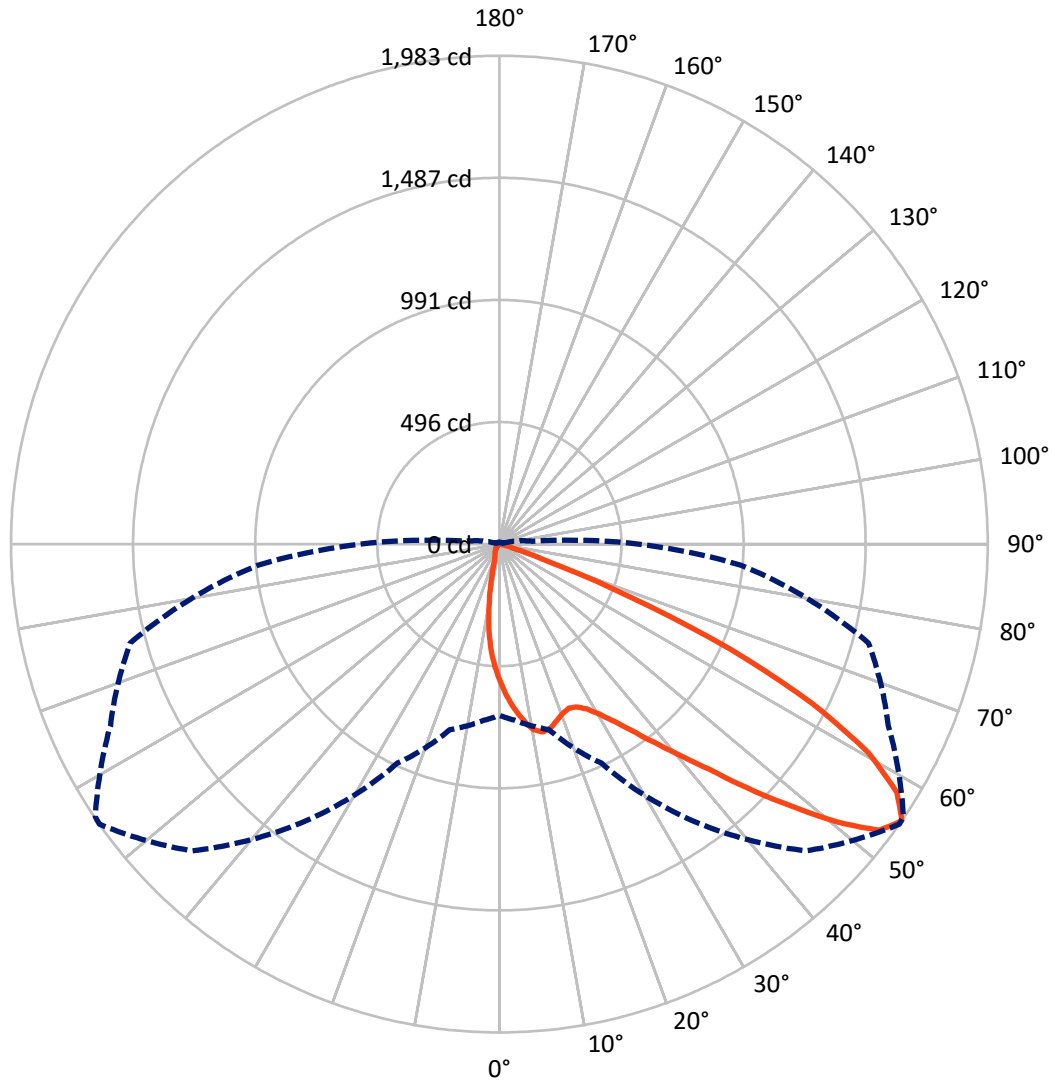
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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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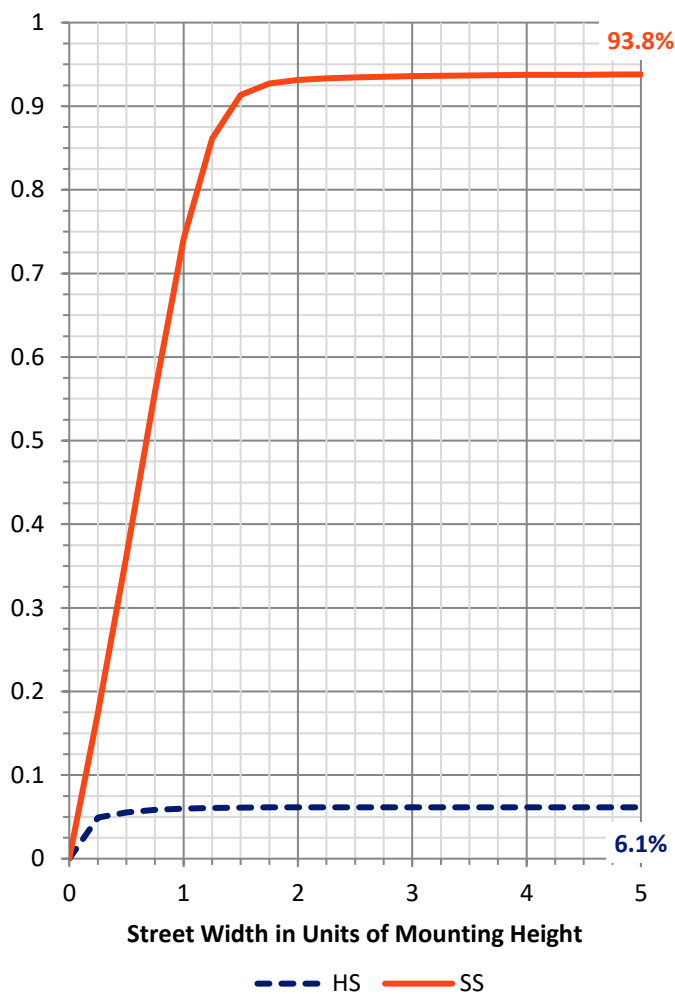
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	134.0	0.0	134.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2037.6	0.0	2037.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	2171.6	0.0	2171.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	2.3
10°-20°	119.5	5.5
20°-30°	199.1	9.2
30°-40°	339.2	15.6
40°-50°	553.7	25.5
50°-60°	579.7	26.7
60°-70°	292.4	13.5
70°-80°	36.9	1.7
80°-90°	1.4	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°	2171.6	100.0
0°-180°	2171.6	100.0

Coefficient of Utilization

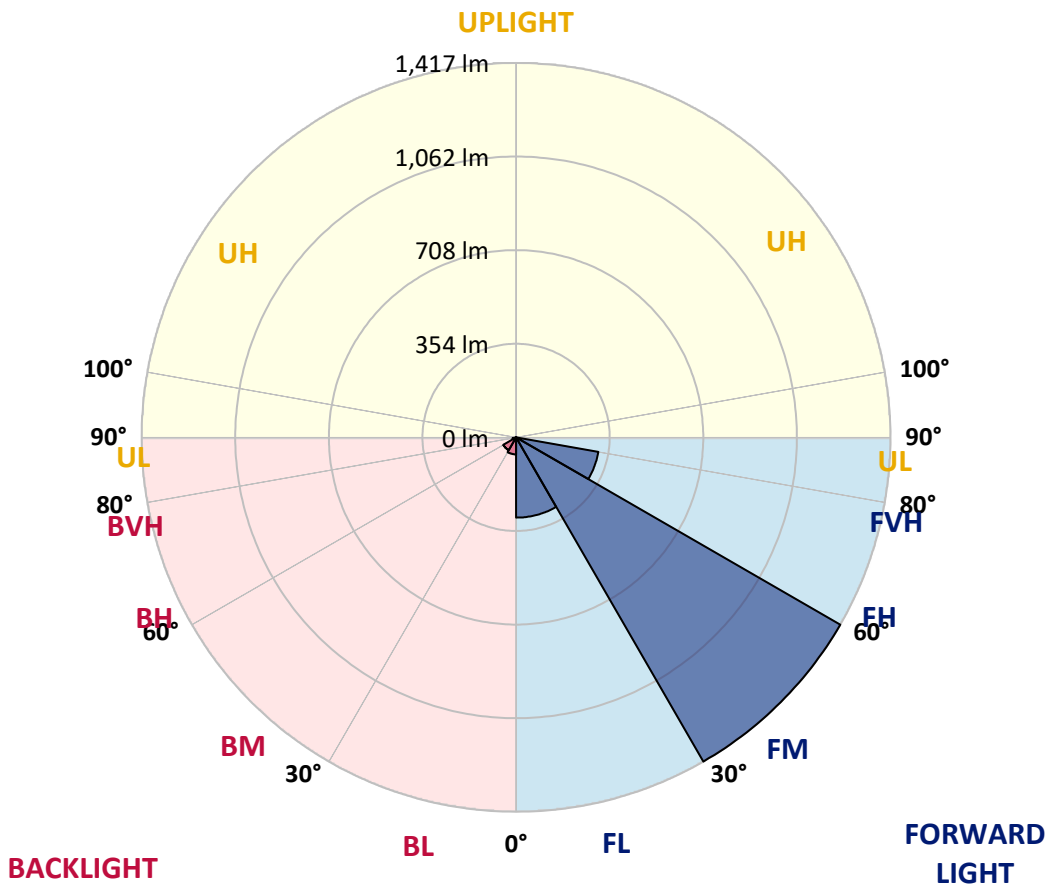


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.8	14.0			
FM (30°-60°)	1416.7	65.2			
FH (60°-80°)	315.9	14.5			G0/660
FVH (80°-90°)	1.3	0.1			G0/10
BL (0°-30°)	64.4	3.0	B0/110		
BM (30°-60°)	56.0	2.6	B0/220		
BH (60°-80°)	13.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0
2.5°	654.0	650.9	655.7	650.1	640.7	632.7	622.3	618.6	601.9	586.1	570.9
5°	733.5	734.4	732.9	725.1	711.8	696.9	675.9	671.3	642.1	612.1	579.6
7.5°	753.2	752.6	755.8	758.7	756.5	749.1	726.2	721.6	685.4	640.3	592.9
10°	692.4	692.8	699.3	719.4	744.2	770.0	766.5	763.9	728.5	672.2	607.8
12.5°	606.7	610.0	616.9	645.5	687.6	746.3	782.7	785.3	768.0	707.3	625.2
15°	569.6	570.3	575.9	593.1	624.5	696.9	775.8	783.0	801.1	742.6	644.2
17.5°	568.6	569.6	572.0	579.6	600.0	658.1	753.7	766.3	825.9	780.4	666.8
20°	603.5	603.0	601.3	597.2	606.1	645.3	733.3	747.2	839.5	817.4	689.7
22.5°	666.8	666.1	658.7	641.8	634.5	657.0	723.3	735.9	847.6	850.2	708.4
25°	739.8	745.0	731.1	705.4	687.6	686.9	732.2	741.1	854.7	879.4	721.2
27.5°	819.8	821.5	809.6	780.8	755.0	734.8	758.0	764.7	862.5	905.4	728.5
30°	907.6	907.1	893.5	860.1	828.7	799.6	801.4	804.0	880.7	935.1	736.4
32.5°	1017.3	1019.7	995.6	950.1	912.4	872.2	858.2	858.6	913.6	973.3	748.5
35°	1166.4	1160.5	1128.5	1063.7	999.5	956.1	932.3	930.3	964.2	1024.8	769.5
37.5°	1308.4	1309.0	1275.6	1204.3	1123.1	1054.6	1021.0	1015.5	1035.5	1096.0	804.4
40°	1407.0	1408.8	1394.9	1357.6	1271.7	1174.8	1125.4	1119.6	1128.0	1186.3	850.1
42.5°	1459.2	1464.4	1468.3	1477.0	1411.8	1324.8	1248.8	1248.3	1239.5	1289.1	903.0
45°	1461.2	1469.0	1492.8	1552.3	1559.8	1495.9	1413.3	1400.9	1367.3	1399.2	950.3
47.5°	1380.4	1398.5	1448.9	1567.0	1645.0	1666.1	1584.3	1576.7	1482.4	1486.3	985.8
50°	1192.2	1211.0	1304.0	1491.8	1666.5	1801.3	1772.0	1756.2	1578.5	1543.8	1002.8
52.5°	999.1	1016.2	1079.3	1312.9	1577.2	1843.8	1930.1	1911.4	1664.8	1563.9	995.8
55°	695.2	718.1	779.7	981.3	1371.5	1761.0	1982.5	1978.6	1741.9	1551.2	984.8
57.5°	340.8	363.5	424.9	605.0	1016.0	1537.5	1902.5	1923.1	1787.9	1537.7	975.9
60°	142.4	151.7	172.8	265.5	568.4	1161.9	1721.8	1750.4	1759.7	1519.3	975.0
62.5°	82.6	84.1	86.3	110.1	221.1	666.1	1428.3	1469.0	1611.4	1495.0	960.3
65°	62.4	62.9	62.0	67.6	91.3	252.7	1032.0	1087.3	1345.0	1399.9	902.4
67.5°	51.2	51.2	48.8	49.9	57.4	94.7	569.7	647.0	995.2	1150.6	745.2
70°	40.8	41.8	40.7	39.2	41.0	52.4	202.7	251.4	579.6	679.5	434.6
72.5°	31.0	31.0	32.9	31.7	30.4	32.9	70.7	79.5	232.6	283.3	156.9
75°	23.9	24.7	26.0	24.9	23.0	19.5	34.0	36.0	70.2	65.9	35.1
77.5°	12.3	12.4	16.5	18.2	17.1	11.9	14.9	16.3	22.8	20.4	13.0
80°	7.4	7.8	9.3	14.3	11.3	6.3	6.1	6.5	10.8	9.3	5.4
82.5°	3.2	3.3	5.2	5.2	4.6	2.4	2.4	2.4	5.2	4.8	2.2
85°	0.0	0.0	0.9	0.7	0.7	0.9	0.9	0.9	1.3	1.9	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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°	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0	561.0
2.5°	561.0	549.1	533.2	518.7	499.2	488.2	473.0	460.6	450.0	446.7	445.2
5°	561.2	540.8	506.6	472.5	430.5	397.5	363.5	336.6	314.5	307.4	305.6
7.5°	564.9	534.8	479.5	417.5	347.3	289.4	237.6	191.2	169.7	162.4	161.0
10°	569.9	529.8	448.1	351.6	250.8	176.4	124.9	95.2	81.1	73.3	74.4
12.5°	576.4	525.7	413.4	280.3	166.0	96.9	68.7	57.5	54.6	53.1	52.4
15°	585.1	520.9	370.4	209.6	101.7	62.4	52.9	49.9	48.8	48.1	47.9
17.5°	594.1	515.3	326.5	147.4	67.6	51.8	47.5	46.0	45.3	44.7	44.6
20°	603.5	505.9	275.1	101.5	53.3	46.6	43.8	42.1	41.2	40.3	40.1
22.5°	607.6	490.7	225.9	71.1	47.3	42.9	39.4	37.3	36.2	35.5	35.5
25°	603.7	466.0	175.1	54.0	43.1	38.8	35.3	33.0	32.1	31.4	31.4
27.5°	593.3	434.2	127.7	44.7	38.4	34.5	31.2	29.1	28.4	28.0	28.0
30°	581.8	394.1	90.0	38.4	33.2	30.1	27.3	26.0	25.8	25.4	25.4
32.5°	572.0	356.6	62.0	33.8	29.3	26.2	24.3	23.8	23.9	23.6	23.8
35°	566.6	319.9	46.0	30.1	26.2	23.2	22.3	22.3	22.3	22.1	22.1
37.5°	568.8	283.7	37.5	27.5	23.4	21.2	20.2	20.6	21.0	21.0	21.0
40°	579.9	251.5	33.2	25.1	21.0	19.3	18.6	19.1	19.7	20.0	20.0
42.5°	594.1	225.6	30.1	23.0	19.3	17.5	17.1	17.6	18.2	18.6	18.6
45°	603.0	199.4	26.9	20.4	17.6	15.4	15.4	16.2	16.0	16.2	16.2
47.5°	607.1	178.6	23.8	17.6	15.0	13.4	13.6	13.9	13.6	13.9	13.9
50°	597.0	157.6	21.0	14.7	12.4	11.7	12.1	11.9	11.9	12.6	12.6
52.5°	578.7	142.0	18.6	12.4	10.6	10.4	10.8	10.0	10.2	10.2	10.0
55°	565.1	133.1	16.5	10.8	9.1	9.3	9.1	7.8	7.1	6.3	6.1
57.5°	558.4	129.6	15.0	9.7	8.2	8.2	7.4	5.4	4.1	3.2	2.8
60°	556.9	125.3	13.6	8.4	7.2	6.9	5.4	3.2	2.0	1.5	1.3
62.5°	542.8	114.9	12.3	6.7	6.3	5.6	3.3	1.9	1.1	0.7	0.6
65°	496.6	94.5	11.0	5.2	4.8	4.1	2.0	1.1	0.6	0.2	0.0
67.5°	395.0	67.0	9.7	3.9	3.3	2.6	1.3	0.7	0.2	0.0	0.0
70°	227.8	36.2	8.0	2.8	2.2	1.7	0.9	0.4	0.0	0.0	0.0
72.5°	76.1	16.9	6.1	1.9	1.7	1.3	0.6	0.2	0.0	0.0	0.0
75°	16.7	10.0	4.1	1.3	1.1	0.9	0.4	0.0	0.0	0.0	0.0
77.5°	6.3	7.1	2.0	0.9	0.7	0.6	0.2	0.0	0.0	0.0	0.0
80°	2.4	4.6	0.9	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	1.9	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.7	0.9	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.2	0.2	0.2	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)