

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: P629446

Luminaire Tested: GWS-SA1B-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629446
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3032.3 lumens
Efficiency: N/A
Efficacy: 121.3 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

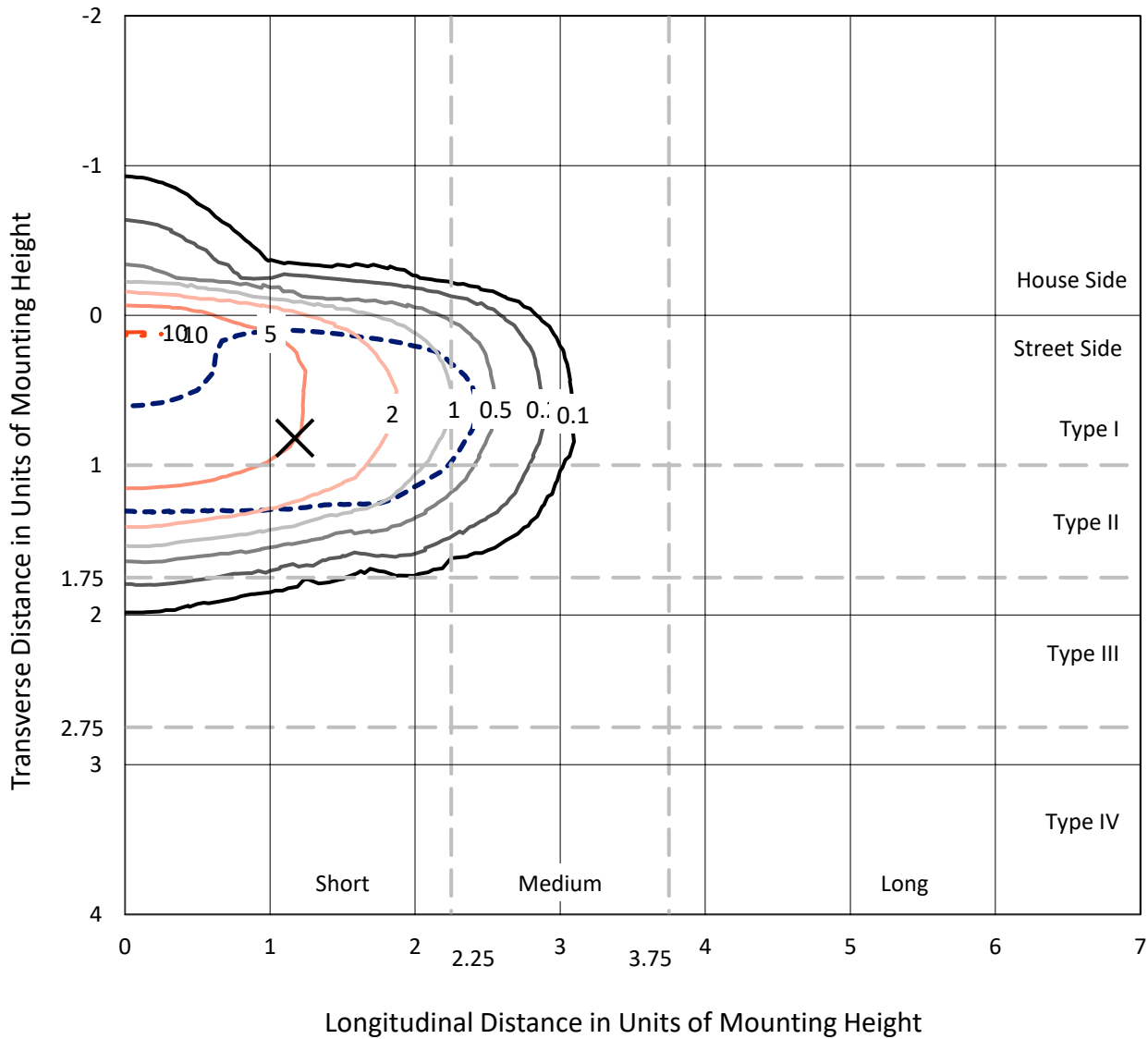
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

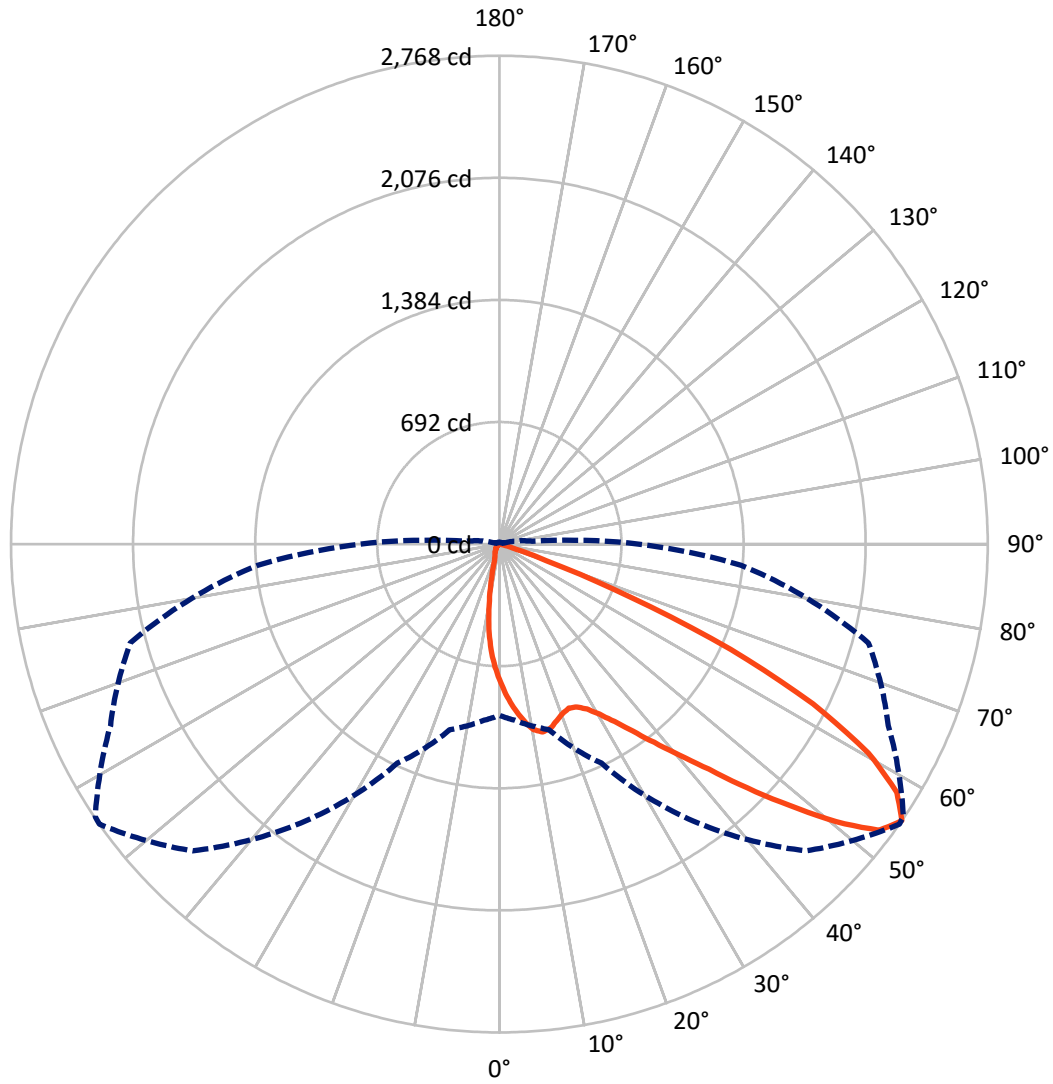
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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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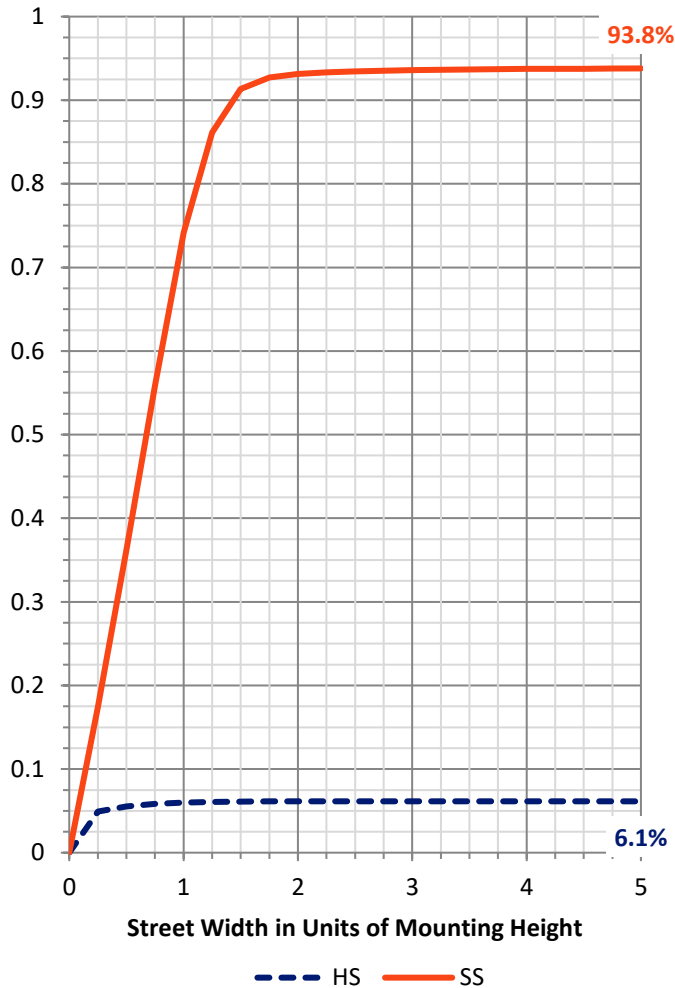
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.1	0.0	187.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2845.2	0.0	2845.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	3032.3	0.0	3032.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	2.3
10°-20°	166.9	5.5
20°-30°	278.0	9.2
30°-40°	473.7	15.6
40°-50°	773.2	25.5
50°-60°	809.5	26.7
60°-70°	408.3	13.5
70°-80°	51.6	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°	3032.3	100.0
0°-180°	3032.3	100.0

Coefficient of Utilization

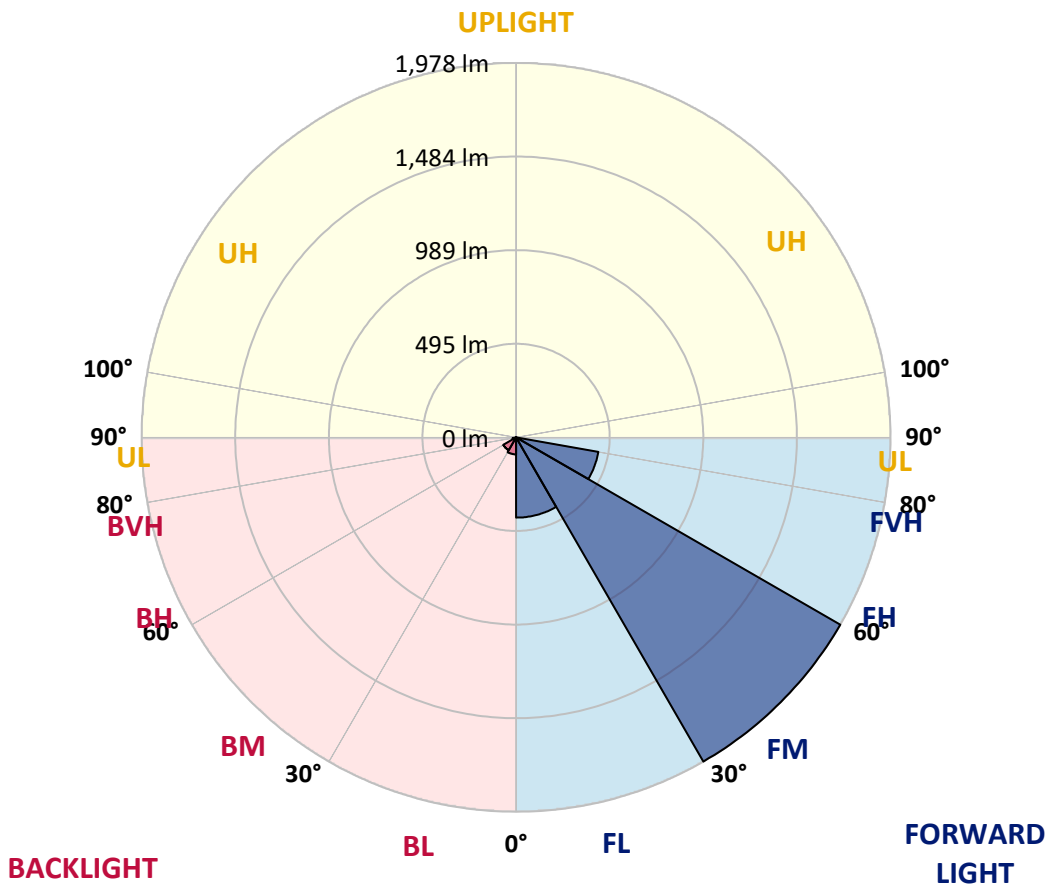


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.2	14.0			
FM (30°-60°)	1978.1	65.2			
FH (60°-80°)	441.1	14.5			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	89.9	3.0	B0/110		
BM (30°-60°)	78.2	2.6	B0/220		
BH (60°-80°)	18.8	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°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	913.2	908.8	915.6	907.8	894.6	883.4	868.9	863.7	840.4	818.4	797.1
5°	1024.2	1025.5	1023.4	1012.5	993.9	973.1	943.8	937.3	896.6	854.7	809.3
7.5°	1051.7	1050.9	1055.3	1059.4	1056.3	1046.0	1014.1	1007.6	957.0	894.1	828.0
10°	966.9	967.4	976.5	1004.5	1039.2	1075.3	1070.3	1066.7	1017.2	938.6	848.7
12.5°	847.1	851.8	861.4	901.3	960.2	1042.1	1092.9	1096.5	1072.4	987.6	873.1
15°	795.3	796.3	804.1	828.2	872.0	973.1	1083.3	1093.4	1118.5	1036.9	899.5
17.5°	794.0	795.3	798.7	809.3	837.8	918.9	1052.4	1070.1	1153.3	1089.8	931.1
20°	842.7	842.0	839.6	833.9	846.4	901.1	1023.9	1043.4	1172.2	1141.4	963.0
22.5°	931.1	930.1	919.7	896.1	886.0	917.4	1009.9	1027.6	1183.6	1187.2	989.2
25°	1033.0	1040.3	1020.8	985.0	960.2	959.1	1022.4	1034.8	1193.5	1227.9	1007.1
27.5°	1144.7	1147.1	1130.5	1090.3	1054.3	1026.0	1058.4	1067.7	1204.3	1264.2	1017.2
30°	1267.3	1266.6	1247.6	1201.0	1157.2	1116.5	1119.1	1122.7	1229.7	1305.7	1028.3
32.5°	1420.5	1423.9	1390.2	1326.7	1274.1	1217.8	1198.4	1198.9	1275.6	1359.1	1045.2
35°	1628.7	1620.4	1575.8	1485.3	1395.7	1335.0	1301.8	1299.0	1346.4	1430.9	1074.5
37.5°	1827.0	1827.8	1781.1	1681.6	1568.3	1472.6	1425.7	1417.9	1445.9	1530.4	1123.2
40°	1964.6	1967.2	1947.8	1895.7	1775.7	1640.4	1571.4	1563.4	1575.0	1656.4	1187.0
42.5°	2037.5	2044.7	2050.2	2062.4	1971.4	1849.8	1743.8	1743.0	1730.8	1800.0	1260.9
45°	2040.3	2051.2	2084.4	2167.6	2178.0	2088.8	1973.5	1956.1	1909.2	1953.8	1327.0
47.5°	1927.6	1952.7	2023.2	2188.1	2297.0	2326.5	2212.2	2201.6	2069.9	2075.3	1376.5
50°	1664.7	1690.9	1820.8	2083.1	2327.0	2515.2	2474.3	2452.2	2204.2	2155.7	1400.3
52.5°	1395.1	1419.0	1507.1	1833.2	2202.3	2574.6	2695.1	2668.9	2324.7	2183.7	1390.5
55°	970.8	1002.7	1088.7	1370.2	1915.1	2459.0	2768.2	2762.8	2432.3	2166.1	1375.2
57.5°	475.9	507.6	593.4	844.8	1418.7	2146.9	2656.5	2685.3	2496.6	2147.1	1362.7
60°	198.8	211.8	241.3	370.7	793.7	1622.5	2404.3	2444.2	2457.2	2121.5	1361.4
62.5°	115.4	117.4	120.5	153.7	308.7	930.1	1994.5	2051.2	2250.0	2087.5	1341.0
65°	87.1	87.9	86.6	94.4	127.5	352.8	1441.0	1518.3	1878.1	1954.8	1260.1
67.5°	71.5	71.5	68.2	69.7	80.1	132.2	795.6	903.4	1389.7	1606.7	1040.5
70°	57.0	58.3	56.8	54.7	57.3	73.1	283.1	351.0	809.3	948.8	606.8
72.5°	43.3	43.3	45.9	44.3	42.5	45.9	98.8	110.9	324.8	395.6	219.0
75°	33.4	34.5	36.3	34.7	32.1	27.2	47.4	50.3	98.0	92.0	49.0
77.5°	17.1	17.4	23.1	25.4	23.8	16.6	20.7	22.8	31.9	28.5	18.1
80°	10.4	10.9	13.0	20.0	15.8	8.8	8.6	9.1	15.0	13.0	7.5
82.5°	4.4	4.7	7.3	7.3	6.5	3.4	3.4	3.4	7.3	6.7	3.1
85°	0.0	0.0	1.3	1.0	1.0	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°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	783.4	766.8	744.5	724.3	697.0	681.8	660.5	643.1	628.4	623.7	621.6
5°	783.6	755.1	707.4	659.7	601.1	555.0	507.6	470.0	439.1	429.3	426.7
7.5°	788.8	746.8	669.6	583.0	485.0	404.1	331.8	267.0	236.9	226.8	224.7
10°	795.8	739.8	625.8	491.0	350.2	246.3	174.5	133.0	113.3	102.4	103.9
12.5°	804.9	734.1	577.3	391.4	231.7	135.3	95.9	80.4	76.2	74.1	73.1
15°	817.1	727.4	517.1	292.7	142.1	87.1	73.9	69.7	68.2	67.1	66.9
17.5°	829.5	719.6	456.0	205.8	94.4	72.3	66.4	64.3	63.3	62.5	62.2
20°	842.7	706.4	384.2	141.8	74.4	65.1	61.2	58.8	57.5	56.3	56.0
22.5°	848.4	685.1	315.5	99.3	66.1	59.9	55.0	52.1	50.5	49.5	49.5
25°	843.0	650.6	244.4	75.4	60.1	54.2	49.3	46.1	44.8	43.8	43.8
27.5°	828.5	606.3	178.3	62.5	53.7	48.2	43.5	40.7	39.7	39.1	39.1
30°	812.4	550.3	125.7	53.7	46.4	42.0	38.1	36.3	36.0	35.5	35.5
32.5°	798.7	498.0	86.6	47.2	41.0	36.6	34.0	33.2	33.4	32.9	33.2
35°	791.1	446.6	64.3	42.0	36.6	32.4	31.1	31.1	31.1	30.8	30.8
37.5°	794.3	396.1	52.4	38.4	32.7	29.6	28.3	28.8	29.3	29.3	29.3
40°	809.8	351.2	46.4	35.0	29.3	27.0	25.9	26.7	27.5	28.0	28.0
42.5°	829.5	315.0	42.0	32.1	27.0	24.4	23.8	24.6	25.4	25.9	25.9
45°	842.0	278.4	37.6	28.5	24.6	21.5	21.5	22.6	22.3	22.6	22.6
47.5°	847.7	249.4	33.2	24.6	21.0	18.7	18.9	19.4	18.9	19.4	19.4
50°	833.7	220.1	29.3	20.5	17.4	16.3	16.8	16.6	16.6	17.6	17.6
52.5°	808.0	198.3	25.9	17.4	14.8	14.5	15.0	14.0	14.3	14.3	14.0
55°	789.1	185.9	23.1	15.0	12.7	13.0	12.7	10.9	9.9	8.8	8.6
57.5°	779.7	180.9	21.0	13.5	11.4	11.4	10.4	7.5	5.7	4.4	3.9
60°	777.7	175.0	18.9	11.7	10.1	9.6	7.5	4.4	2.9	2.1	1.8
62.5°	758.0	160.5	17.1	9.3	8.8	7.8	4.7	2.6	1.6	1.0	0.8
65°	693.4	131.9	15.3	7.3	6.7	5.7	2.9	1.6	0.8	0.3	0.0
67.5°	551.6	93.6	13.5	5.4	4.7	3.6	1.8	1.0	0.3	0.0	0.0
70°	318.1	50.5	11.1	3.9	3.1	2.3	1.3	0.5	0.0	0.0	0.0
72.5°	106.3	23.6	8.6	2.6	2.3	1.8	0.8	0.3	0.0	0.0	0.0
75°	23.3	14.0	5.7	1.8	1.6	1.3	0.5	0.0	0.0	0.0	0.0
77.5°	8.8	9.9	2.9	1.3	1.0	0.8	0.3	0.0	0.0	0.0	0.0
80°	3.4	6.5	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°	1.0	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)