

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: P629415

Luminaire Tested: GWS-SA1B-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2177.7 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

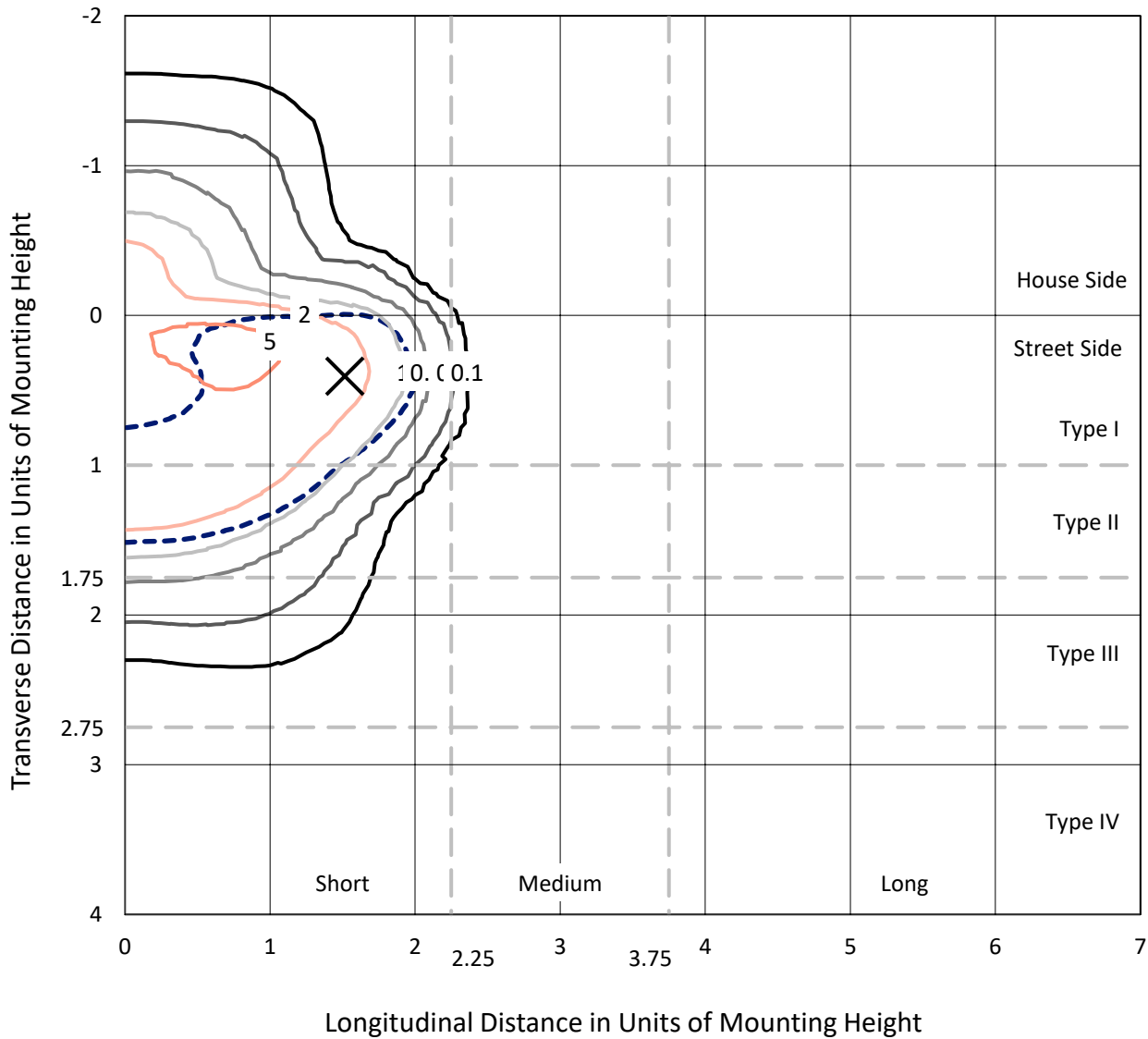
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

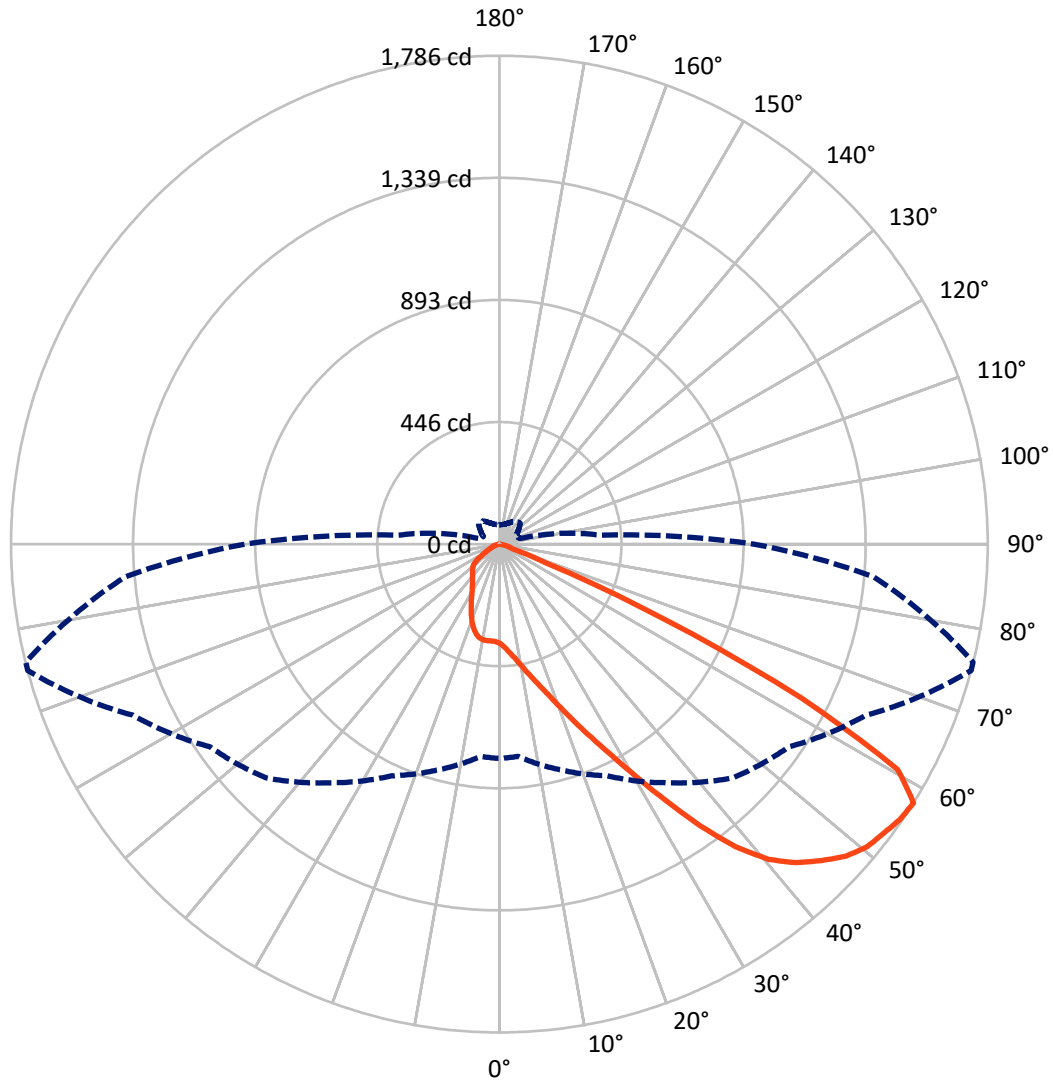
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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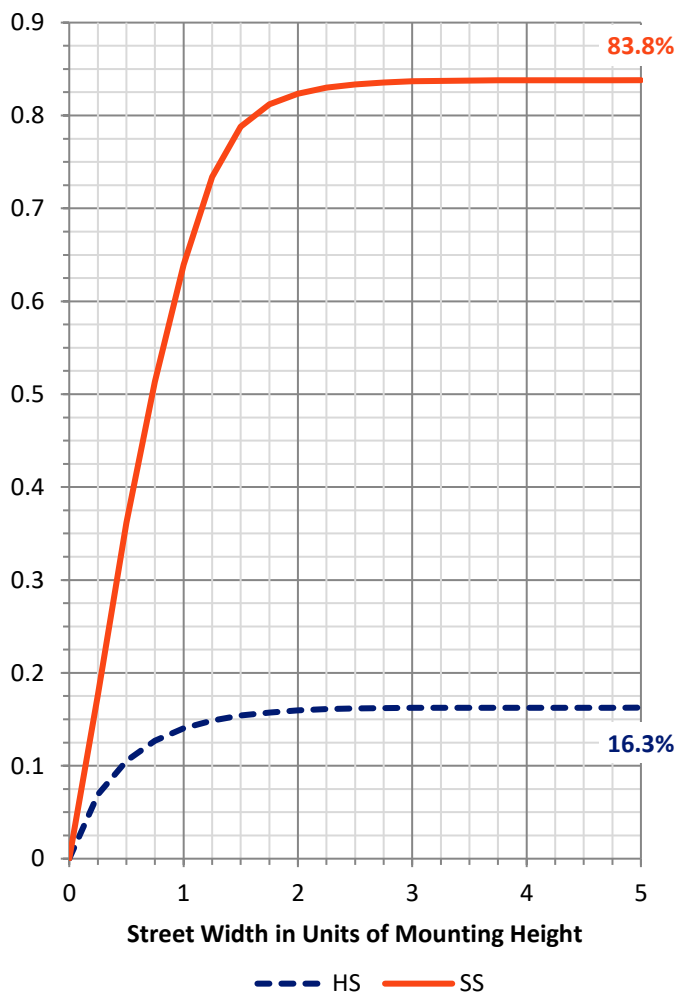
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	355.7	0.0	355.7
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1822.0	0.0	1822.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	2177.7	0.0	2177.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	1.7
10°-20°	120.1	5.5
20°-30°	219.9	10.1
30°-40°	364.8	16.8
40°-50°	557.1	25.6
50°-60°	626.0	28.7
60°-70°	230.9	10.6
70°-80°	22.1	1.0
80°-90°	0.0	0.0
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°	2177.7	100.0
0°-180°	2177.7	100.0

Coefficient of Utilization

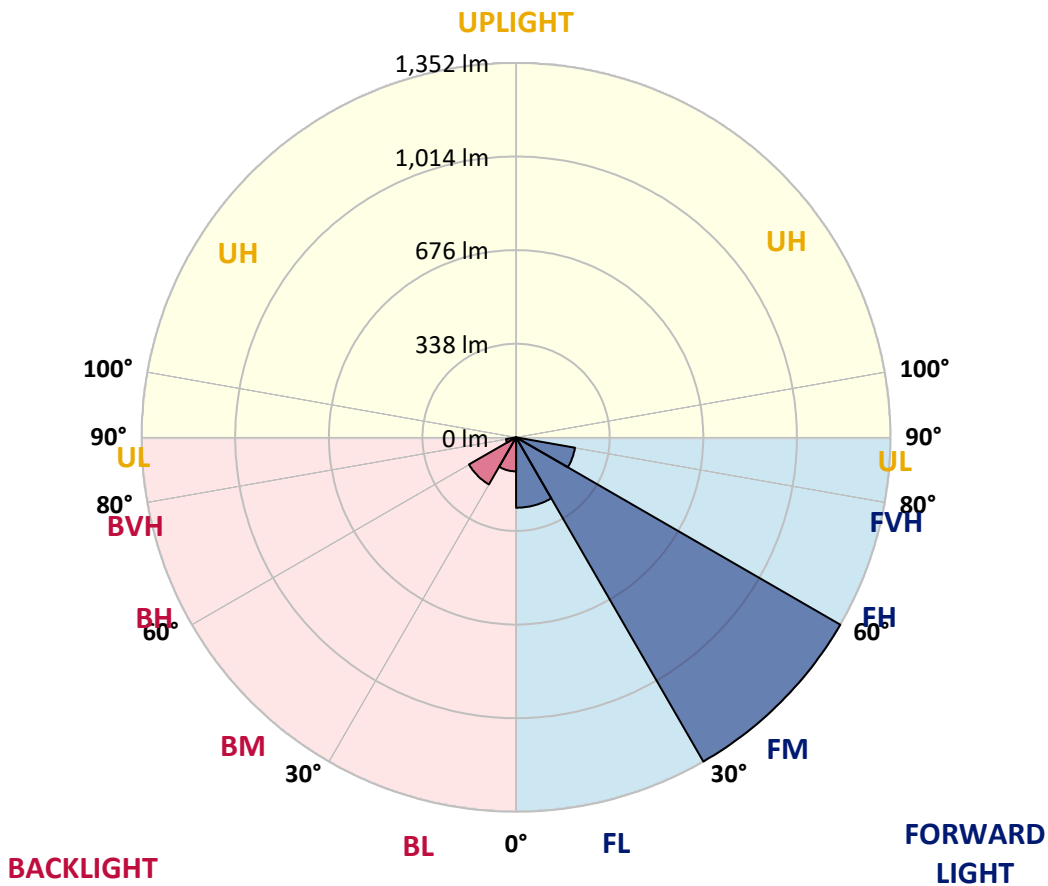


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.1	11.7			
FM (30°-60°)	1351.8	62.1			
FH (60°-80°)	216.0	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	122.7	5.6	B1/500		
BM (30°-60°)	196.0	9.0	B0/220		
BH (60°-80°)	36.9	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2
2.5°	405.8	410.0	408.7	406.0	404.5	399.0	395.5	385.5	378.5	377.7	371.1
5°	457.0	456.2	455.2	452.0	449.4	440.7	430.5	413.7	398.7	396.9	382.9
7.5°	485.2	485.7	486.2	485.7	483.8	477.3	466.0	446.3	423.4	421.8	399.7
10°	496.7	497.8	500.4	505.4	509.9	509.3	502.8	482.5	454.4	451.8	422.1
12.5°	502.2	503.6	507.8	517.2	529.3	538.8	539.8	521.7	490.7	486.5	448.6
15°	509.9	511.2	516.4	528.8	546.4	565.1	577.1	565.6	530.9	526.4	477.8
17.5°	513.3	515.1	522.7	539.0	561.9	590.5	617.9	616.8	578.5	575.0	511.7
20°	519.8	521.2	528.0	545.6	573.2	614.5	660.5	677.0	636.5	631.5	552.7
22.5°	540.6	541.1	544.3	555.3	581.1	631.8	703.8	747.2	705.1	698.6	598.7
25°	574.5	574.3	575.6	577.4	596.3	649.4	745.6	826.3	783.7	776.6	650.7
27.5°	617.6	617.6	620.8	615.5	623.1	671.2	786.9	917.2	875.2	865.2	707.8
30°	668.3	668.1	675.4	667.0	669.4	705.7	831.3	1016.3	985.6	973.2	773.5
32.5°	737.2	735.6	744.0	732.5	724.6	757.7	885.4	1119.9	1117.8	1098.8	856.0
35°	824.2	821.6	824.2	812.9	798.7	830.5	956.4	1223.1	1264.4	1244.4	954.3
37.5°	910.7	919.1	922.0	902.5	890.9	922.7	1041.8	1315.7	1404.5	1383.7	1056.5
40°	1012.6	1010.0	1020.0	998.2	990.8	1026.0	1125.4	1384.5	1515.4	1495.7	1147.4
42.5°	1087.8	1092.5	1104.9	1092.8	1087.0	1120.1	1195.5	1424.7	1592.4	1572.9	1212.4
45°	1177.9	1181.4	1186.1	1176.1	1170.1	1202.6	1246.3	1442.3	1651.0	1630.0	1256.0
47.5°	1275.4	1278.1	1278.1	1257.6	1238.1	1251.5	1280.2	1452.3	1704.9	1684.6	1288.3
50°	1345.3	1346.7	1358.2	1343.8	1301.5	1280.7	1295.7	1462.0	1740.6	1721.7	1298.8
52.5°	1283.3	1281.7	1319.9	1349.8	1361.1	1319.9	1322.5	1476.2	1758.0	1741.7	1307.2
55°	1080.7	1078.1	1131.7	1204.5	1304.1	1356.9	1354.8	1484.6	1777.2	1767.2	1337.7
57.5°	783.5	779.0	853.6	934.6	1065.2	1208.4	1292.5	1479.9	1785.6	1784.8	1373.2
60°	471.0	467.3	537.7	622.9	723.8	867.8	1007.4	1325.6	1673.1	1674.7	1281.0
62.5°	289.9	293.3	356.9	400.3	437.8	481.2	561.9	891.7	1239.4	1249.7	900.1
65°	195.0	197.6	256.5	311.2	311.2	254.4	218.4	426.3	661.2	643.9	425.8
67.5°	130.9	133.8	180.3	244.2	253.4	177.4	88.6	127.2	184.2	178.7	105.4
70°	77.0	80.2	120.1	167.4	184.5	123.5	59.1	53.9	52.3	50.7	41.0
72.5°	34.4	35.7	61.2	85.2	77.8	52.0	41.8	43.1	40.7	39.9	33.4
75°	10.5	11.0	15.8	18.4	18.7	18.7	25.2	33.9	32.1	32.3	25.8
77.5°	2.6	2.6	4.2	3.9	2.1	1.8	4.7	7.6	7.9	7.1	5.3
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2	363.2
2.5°	368.2	361.4	356.9	350.6	346.1	341.4	337.2	333.8	331.9	331.4	331.7
5°	376.6	365.8	355.3	343.2	334.8	326.9	320.6	315.6	313.3	312.5	312.5
7.5°	389.5	374.5	355.9	336.9	322.7	310.4	303.0	297.5	295.4	294.9	293.3
10°	406.3	385.8	355.1	325.6	305.7	292.8	287.5	285.9	286.7	287.0	286.7
12.5°	426.5	397.6	350.1	309.1	287.5	279.6	280.2	284.4	289.1	291.5	292.0
15°	448.1	408.4	338.8	289.4	272.0	271.8	279.4	289.1	298.3	302.2	303.3
17.5°	472.3	417.1	321.4	268.3	258.6	266.2	279.9	294.9	307.2	313.8	315.1
20°	498.8	424.2	299.3	248.6	246.8	260.4	279.4	297.8	313.0	320.4	321.7
22.5°	526.4	429.2	273.9	230.5	236.0	253.9	274.4	292.3	306.7	315.1	316.2
25°	558.0	429.7	247.8	215.2	226.0	244.9	262.3	277.0	289.1	296.5	297.2
27.5°	585.6	423.4	224.7	202.9	216.8	233.9	245.5	253.6	262.0	266.2	266.5
30°	617.4	412.4	202.9	192.9	207.4	220.2	226.0	227.9	228.6	229.4	228.4
32.5°	655.2	399.0	186.6	183.2	196.6	205.3	206.8	203.2	198.7	192.4	190.8
35°	701.7	386.9	173.2	173.7	184.8	190.0	188.7	180.8	172.1	164.5	163.2
37.5°	752.2	376.6	162.9	164.5	171.9	175.6	171.6	162.9	159.0	152.4	152.7
40°	796.9	368.2	153.7	155.3	158.7	162.2	155.8	150.1	157.4	156.9	157.4
42.5°	828.7	361.1	145.9	145.1	147.4	149.8	145.1	142.2	154.5	151.1	153.0
45°	847.3	354.5	139.3	134.6	138.2	142.4	139.3	135.6	139.8	124.0	122.7
47.5°	859.9	350.9	133.5	124.3	130.9	138.2	131.7	122.7	116.7	103.0	102.0
50°	861.2	349.0	126.7	113.8	122.2	130.1	122.5	110.1	101.4	95.4	94.6
52.5°	868.1	352.7	117.2	100.4	109.6	122.2	117.0	104.6	92.8	87.5	86.5
55°	898.6	368.2	101.4	82.0	95.4	116.2	112.5	93.3	82.0	78.8	78.1
57.5°	930.1	371.4	79.9	64.9	83.0	107.5	102.8	85.9	74.9	71.2	70.4
60°	850.5	305.9	59.9	53.6	73.3	99.3	95.1	81.5	68.6	64.1	63.3
62.5°	558.7	165.3	47.6	45.5	61.8	84.1	86.7	73.6	61.2	56.5	56.2
65°	257.6	76.7	36.5	36.0	48.4	67.0	74.6	64.4	51.8	47.6	47.6
67.5°	70.2	38.1	28.6	26.5	32.9	44.9	54.4	48.1	36.8	31.8	31.5
70°	35.0	30.7	25.8	22.9	23.7	27.9	32.1	26.8	18.7	15.2	15.0
72.5°	28.6	25.2	21.8	19.4	17.9	17.1	16.6	13.4	8.7	6.6	6.3
75°	21.3	18.1	15.5	12.6	10.8	10.0	8.9	6.6	3.7	2.1	1.8
77.5°	4.7	4.5	4.2	3.2	2.9	2.4	1.8	1.3	0.5	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)