

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: P629635

Luminaire Tested: GWS-SA1C-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629635
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2103.1 lumens
Efficiency: N/A
Efficacy: 61.7 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

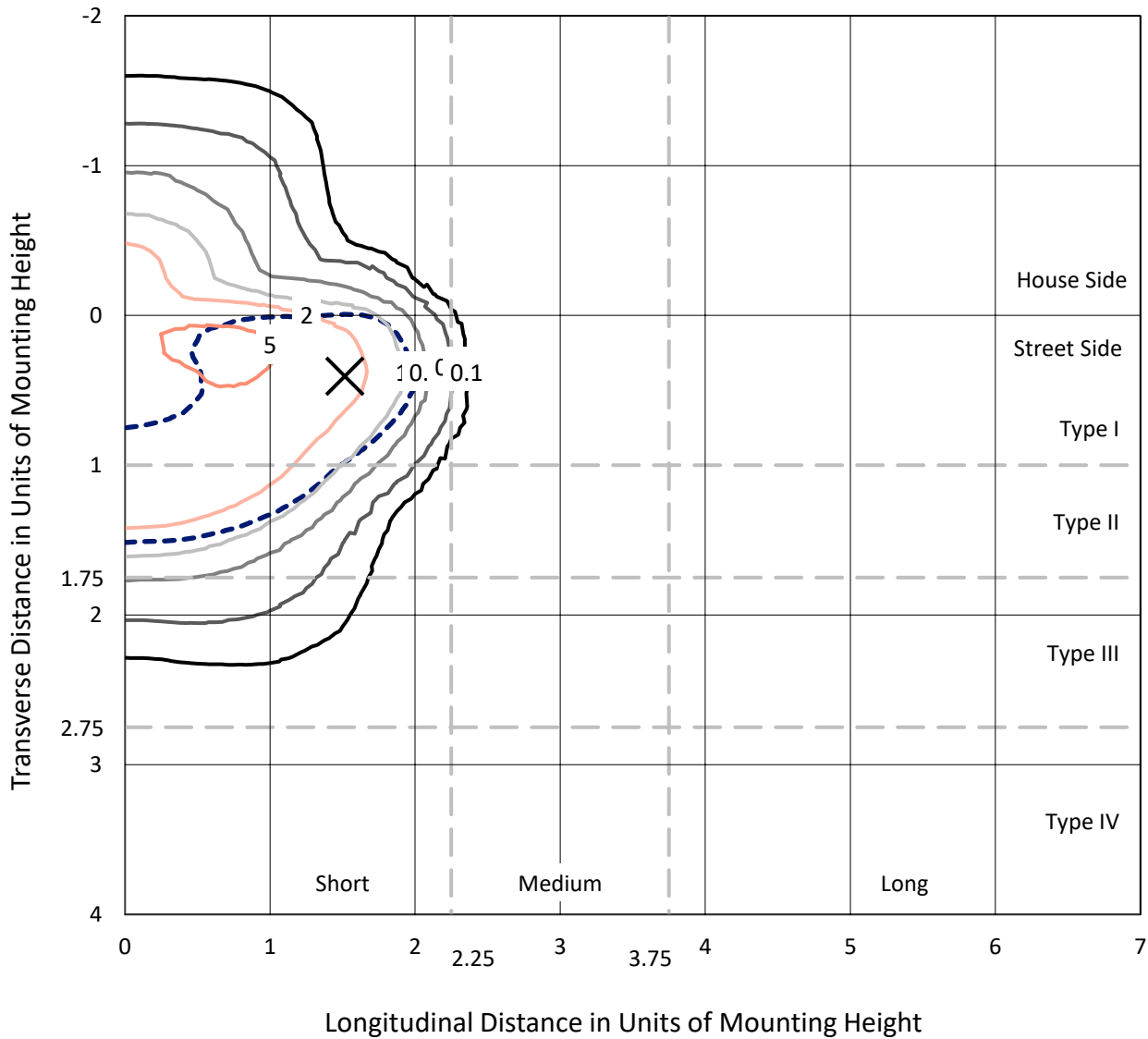
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

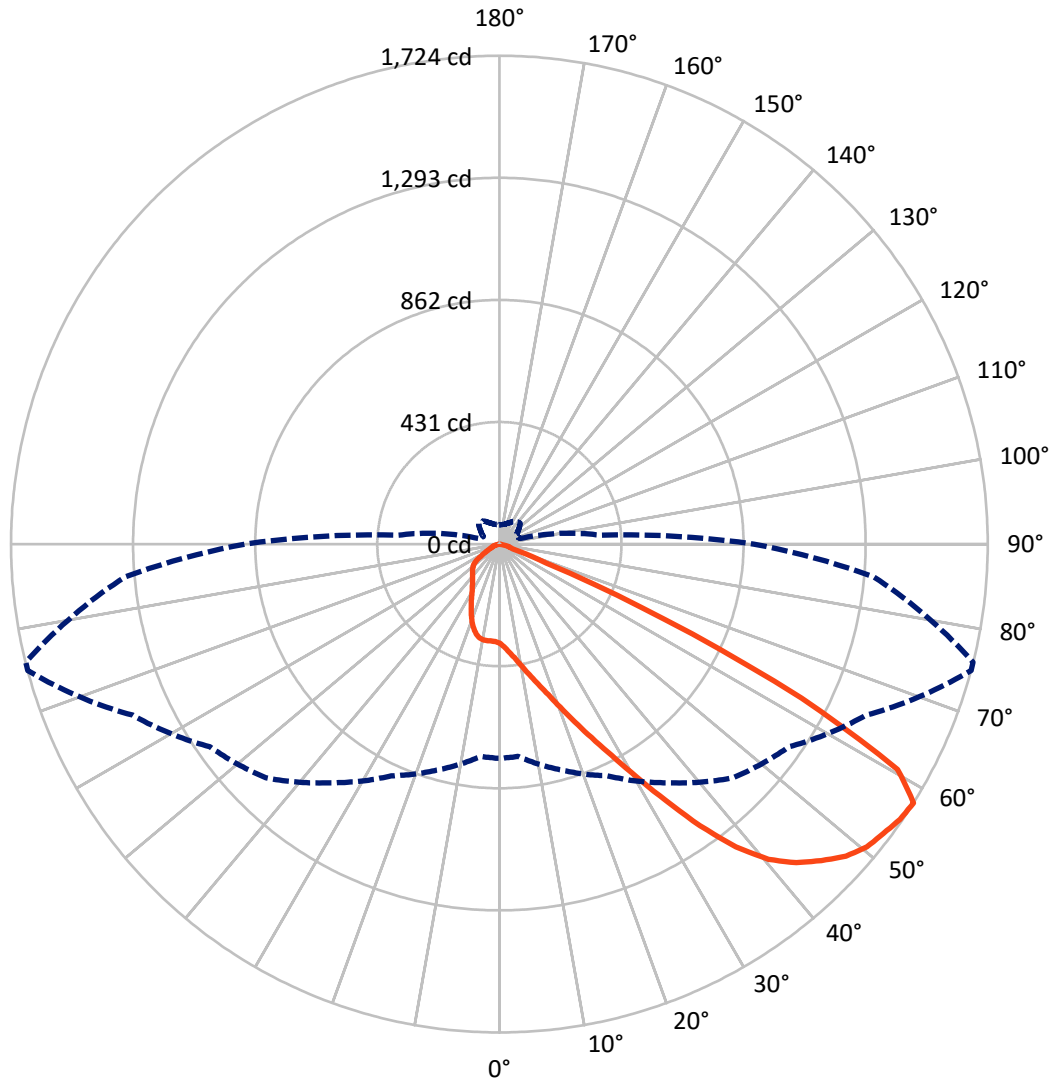
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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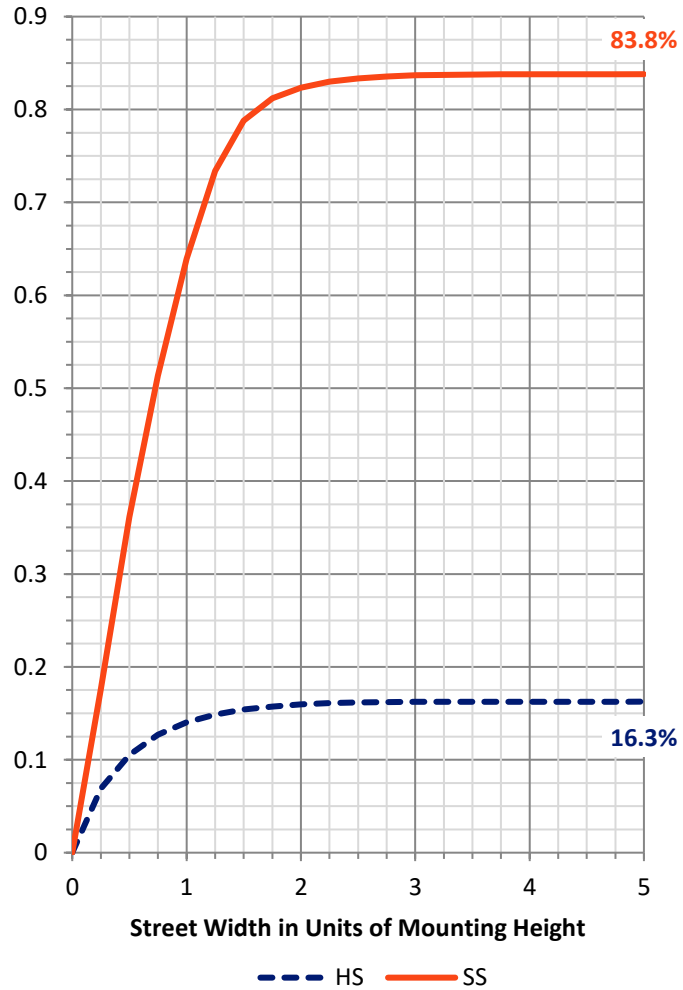
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	343.5	0.0	343.5
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1759.6	0.0	1759.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	2103.1	0.0	2103.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	1.7
10°-20°	115.9	5.5
20°-30°	212.3	10.1
30°-40°	352.3	16.8
40°-50°	538.0	25.6
50°-60°	604.5	28.7
60°-70°	223.0	10.6
70°-80°	21.3	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°	2103.1	100.0
0°-180°	2103.1	100.0

Coefficient of Utilization



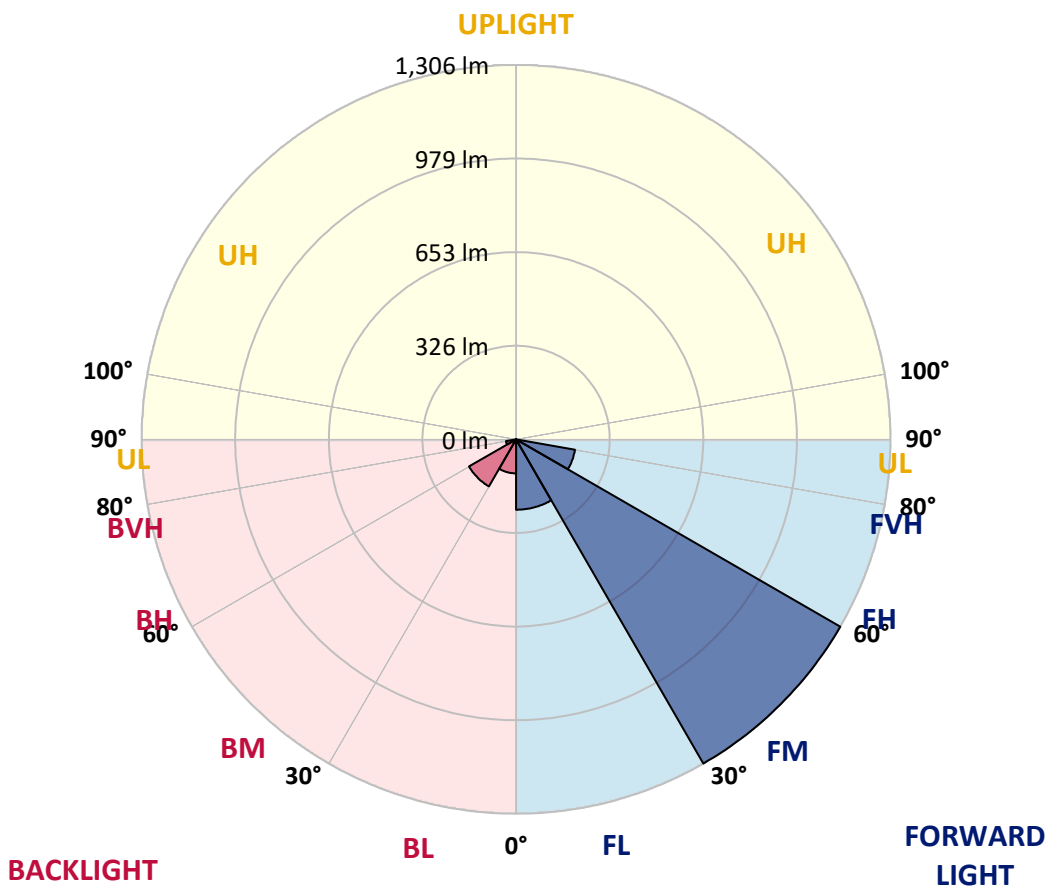
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.4	11.7			
FM (30°-60°)	1305.5	62.1			
FH (60°-80°)	208.6	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	118.5	5.6	B1/500		
BM (30°-60°)	189.3	9.0	B0/220		
BH (60°-80°)	35.7	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°	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8
2.5°	391.9	395.9	394.7	392.1	390.6	385.3	382.0	372.3	365.5	364.7	358.4
5°	441.4	440.6	439.6	436.6	434.0	425.6	415.7	399.5	385.0	383.3	369.8
7.5°	468.5	469.0	469.6	469.0	467.3	460.9	450.0	431.0	408.9	407.4	386.0
10°	479.7	480.7	483.3	488.1	492.4	491.9	485.5	466.0	438.8	436.3	407.6
12.5°	485.0	486.3	490.4	499.5	511.2	520.3	521.3	503.8	473.9	469.8	433.3
15°	492.4	493.7	498.7	510.7	527.7	545.7	557.4	546.2	512.7	508.4	461.4
17.5°	495.7	497.5	504.8	520.6	542.6	570.3	596.7	595.7	558.6	555.3	494.2
20°	502.0	503.3	509.9	526.9	553.6	593.4	637.8	653.8	614.7	609.9	533.8
22.5°	522.1	522.6	525.6	536.3	561.2	610.2	679.7	721.6	681.0	674.6	578.2
25°	554.8	554.6	555.8	557.6	575.9	627.2	720.1	798.0	756.9	750.0	628.4
27.5°	596.5	596.5	599.5	594.4	601.8	648.2	759.9	885.8	845.2	835.5	683.5
30°	645.4	645.2	652.3	644.2	646.5	681.5	802.8	981.5	951.8	939.9	747.0
32.5°	711.9	710.4	718.5	707.4	699.8	731.7	855.1	1081.5	1079.5	1061.2	826.7
35°	796.0	793.4	796.0	785.0	771.3	802.0	923.6	1181.2	1221.1	1201.8	921.6
37.5°	879.5	887.6	890.4	871.6	860.4	891.1	1006.1	1270.6	1356.4	1336.3	1020.3
40°	977.9	975.4	985.0	964.0	956.9	990.9	1086.8	1337.1	1463.5	1444.4	1108.1
42.5°	1050.5	1055.1	1067.0	1055.3	1049.8	1081.7	1154.6	1375.9	1537.8	1519.1	1170.8
45°	1137.6	1140.9	1145.5	1135.8	1130.0	1161.4	1203.6	1392.9	1594.4	1574.1	1213.0
47.5°	1231.7	1234.3	1234.3	1214.5	1195.7	1208.7	1236.3	1402.6	1646.5	1626.9	1244.2
50°	1299.3	1300.5	1311.7	1297.7	1256.9	1236.8	1251.3	1412.0	1681.0	1662.7	1254.3
52.5°	1239.4	1237.8	1274.6	1303.6	1314.5	1274.6	1277.2	1425.7	1697.7	1682.0	1262.5
55°	1043.7	1041.1	1092.9	1163.2	1259.4	1310.4	1308.4	1433.8	1716.3	1706.6	1291.9
57.5°	756.6	752.3	824.4	902.6	1028.7	1167.0	1248.2	1429.2	1724.4	1723.6	1326.2
60°	454.8	451.3	519.3	601.5	699.0	838.1	972.9	1280.2	1615.8	1617.3	1237.1
62.5°	280.0	283.3	344.7	386.6	422.9	464.7	542.6	861.2	1197.0	1206.9	869.3
65°	188.3	190.9	247.7	300.5	300.5	245.7	210.9	411.7	638.6	621.8	411.2
67.5°	126.4	129.2	174.1	235.8	244.7	171.3	85.5	122.8	177.9	172.6	101.8
70°	74.4	77.4	116.0	161.7	178.2	119.3	57.1	52.0	50.5	49.0	39.6
72.5°	33.2	34.5	59.1	82.2	75.1	50.3	40.4	41.6	39.3	38.6	32.2
75°	10.2	10.7	15.2	17.8	18.0	18.0	24.4	32.7	31.0	31.2	24.9
77.5°	2.5	2.5	4.1	3.8	2.0	1.8	4.6	7.4	7.6	6.9	5.1
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°	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8
2.5°	355.6	349.0	344.7	338.6	334.3	329.7	325.6	322.3	320.6	320.1	320.3
5°	363.7	353.3	343.2	331.5	323.4	315.7	309.7	304.8	302.5	301.8	301.8
7.5°	376.1	361.7	343.7	325.4	311.7	299.8	292.6	287.3	285.3	284.8	283.3
10°	392.4	372.6	342.9	314.5	295.2	282.7	277.7	276.1	276.9	277.2	276.9
12.5°	411.9	384.0	338.1	298.5	277.7	270.1	270.6	274.6	279.2	281.5	282.0
15°	432.7	394.4	327.2	279.4	262.7	262.4	269.8	279.2	288.1	291.9	292.9
17.5°	456.1	402.8	310.4	259.1	249.8	257.1	270.3	284.8	296.7	303.1	304.3
20°	481.7	409.7	289.1	240.1	238.3	251.5	269.8	287.6	302.3	309.4	310.7
22.5°	508.4	414.5	264.5	222.6	227.9	245.2	265.0	282.2	296.2	304.3	305.3
25°	538.8	415.0	239.3	207.9	218.3	236.6	253.3	267.5	279.2	286.3	287.1
27.5°	565.5	408.9	217.0	195.9	209.4	225.9	237.1	244.9	253.1	257.1	257.4
30°	596.2	398.2	195.9	186.3	200.3	212.7	218.3	220.1	220.8	221.6	220.6
32.5°	632.8	385.3	180.2	176.9	189.9	198.2	199.7	196.2	191.9	185.8	184.3
35°	677.7	373.6	167.3	167.8	178.4	183.5	182.2	174.6	166.2	158.9	157.6
37.5°	726.4	363.7	157.4	158.9	166.0	169.5	165.7	157.4	153.6	147.2	147.5
40°	769.6	355.6	148.5	150.0	153.3	156.6	150.5	144.9	152.0	151.5	152.0
42.5°	800.3	348.7	140.9	140.1	142.4	144.7	140.1	137.3	149.2	145.9	147.7
45°	818.3	342.4	134.5	130.0	133.5	137.6	134.5	131.0	135.0	119.8	118.5
47.5°	830.5	338.8	128.9	120.1	126.4	133.5	127.2	118.5	112.7	99.5	98.5
50°	831.7	337.1	122.3	109.9	118.0	125.6	118.3	106.3	98.0	92.1	91.4
52.5°	838.3	340.6	113.2	97.0	105.8	118.0	112.9	101.0	89.6	84.5	83.5
55°	867.8	355.6	98.0	79.2	92.1	112.2	108.6	90.1	79.2	76.1	75.4
57.5°	898.2	358.6	77.2	62.7	80.2	103.8	99.2	83.0	72.3	68.8	68.0
60°	821.3	295.4	57.9	51.8	70.8	95.9	91.9	78.7	66.2	61.9	61.2
62.5°	539.6	159.6	45.9	43.9	59.6	81.2	83.8	71.1	59.1	54.6	54.3
65°	248.7	74.1	35.3	34.8	46.7	64.7	72.1	62.2	50.0	45.9	45.9
67.5°	67.8	36.8	27.7	25.6	31.7	43.4	52.5	46.4	35.5	30.7	30.5
70°	33.8	29.7	24.9	22.1	22.8	26.9	31.0	25.9	18.0	14.7	14.5
72.5°	27.7	24.4	21.1	18.8	17.3	16.5	16.0	12.9	8.4	6.3	6.1
75°	20.6	17.5	15.0	12.2	10.4	9.6	8.6	6.3	3.6	2.0	1.8
77.5°	4.6	4.3	4.1	3.0	2.8	2.3	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)