

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: P629364

Luminaire Tested: GWS-SA1B-740-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2402.5 lumens
Efficiency: N/A
Efficacy: 96.1 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

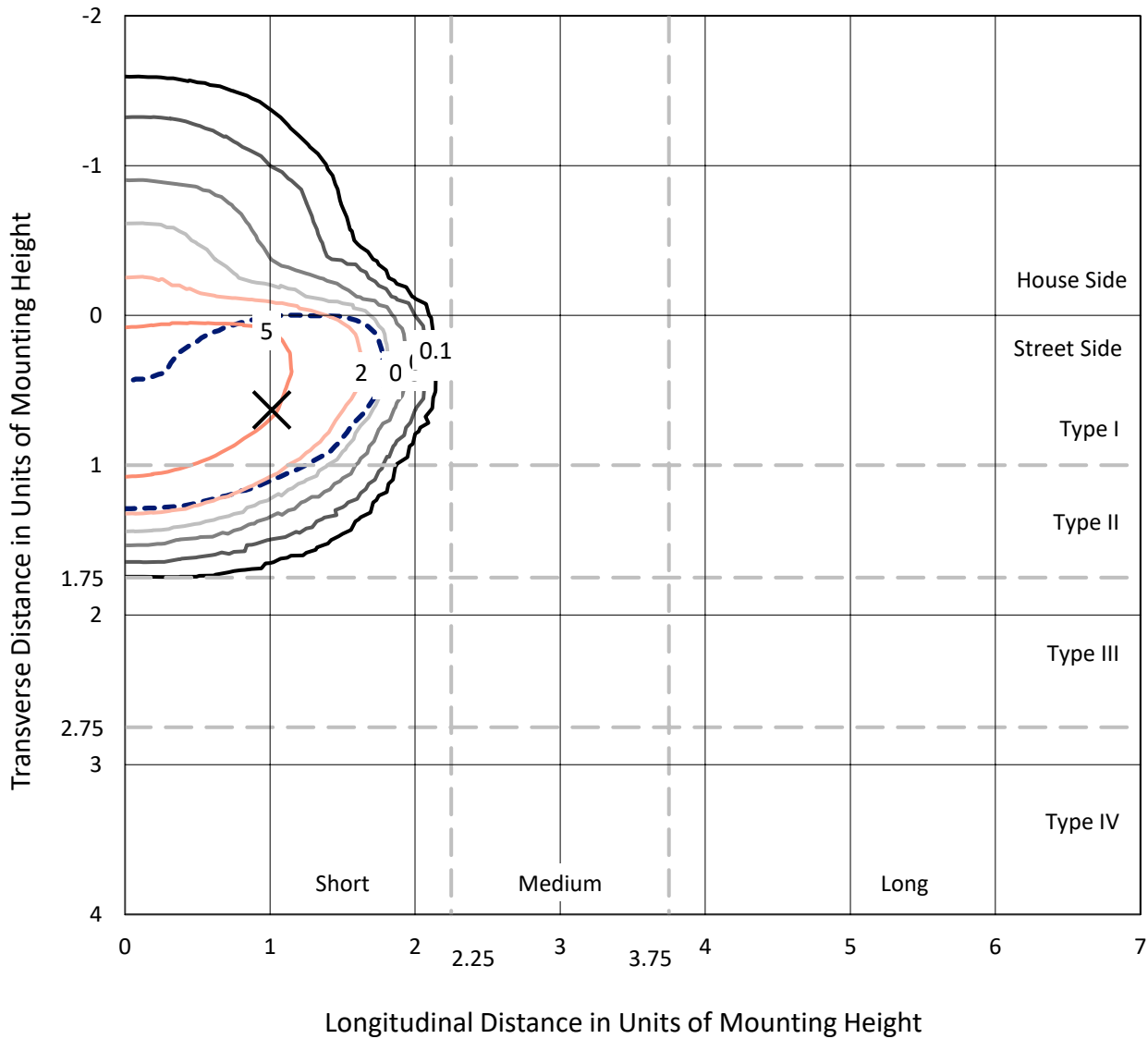
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

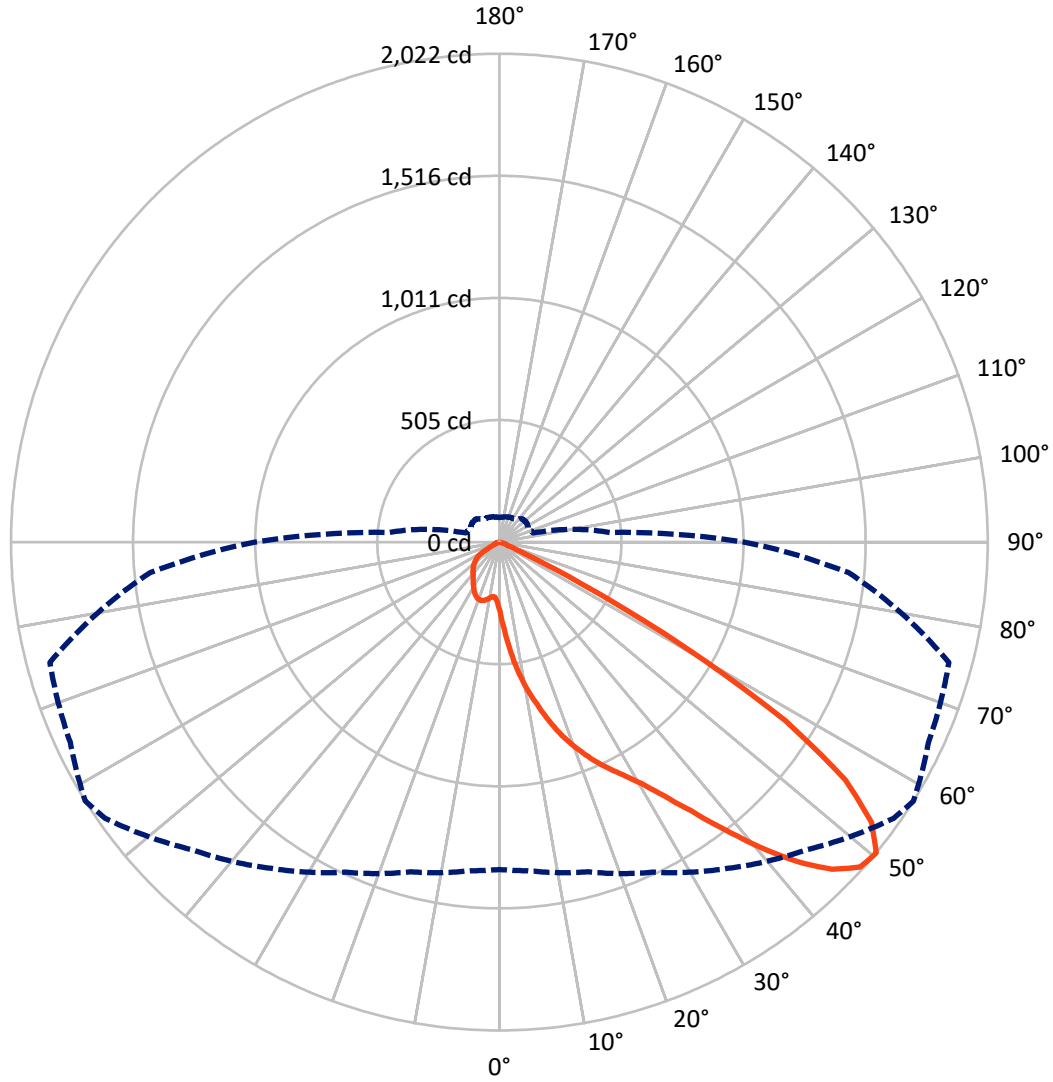
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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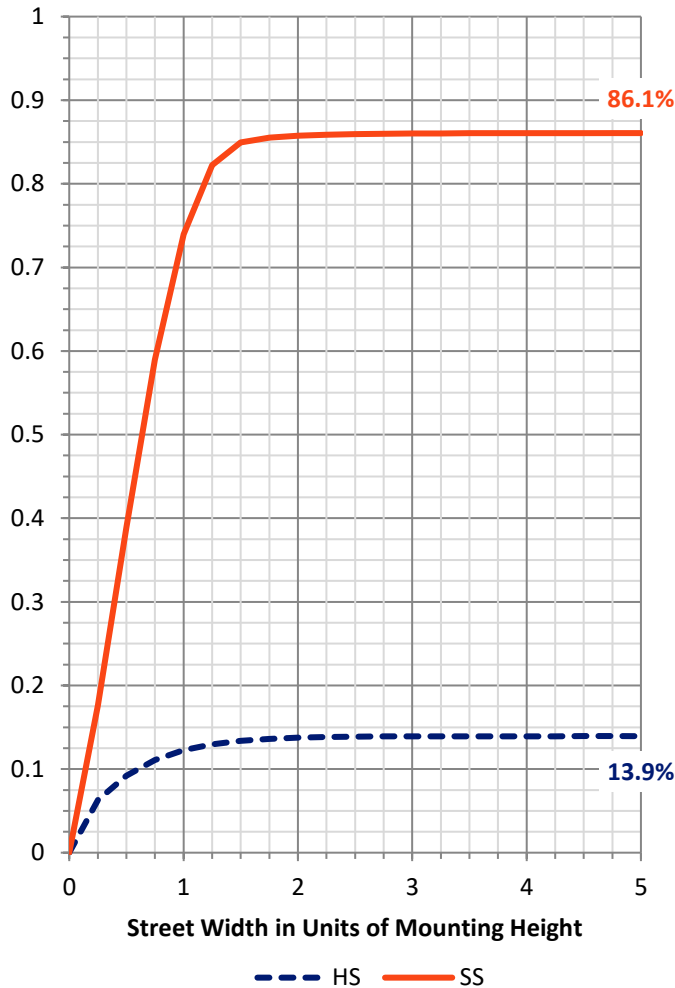
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	336.5	0.0	336.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2066.0	0.0	2066.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	2402.5	0.0	2402.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	1.5
10°-20°	140.7	5.9
20°-30°	284.8	11.9
30°-40°	503.8	21.0
40°-50°	734.5	30.6
50°-60°	588.7	24.5
60°-70°	106.1	4.4
70°-80°	8.4	0.3
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°	2402.5	100.0
0°-180°	2402.5	100.0

Coefficient of Utilization



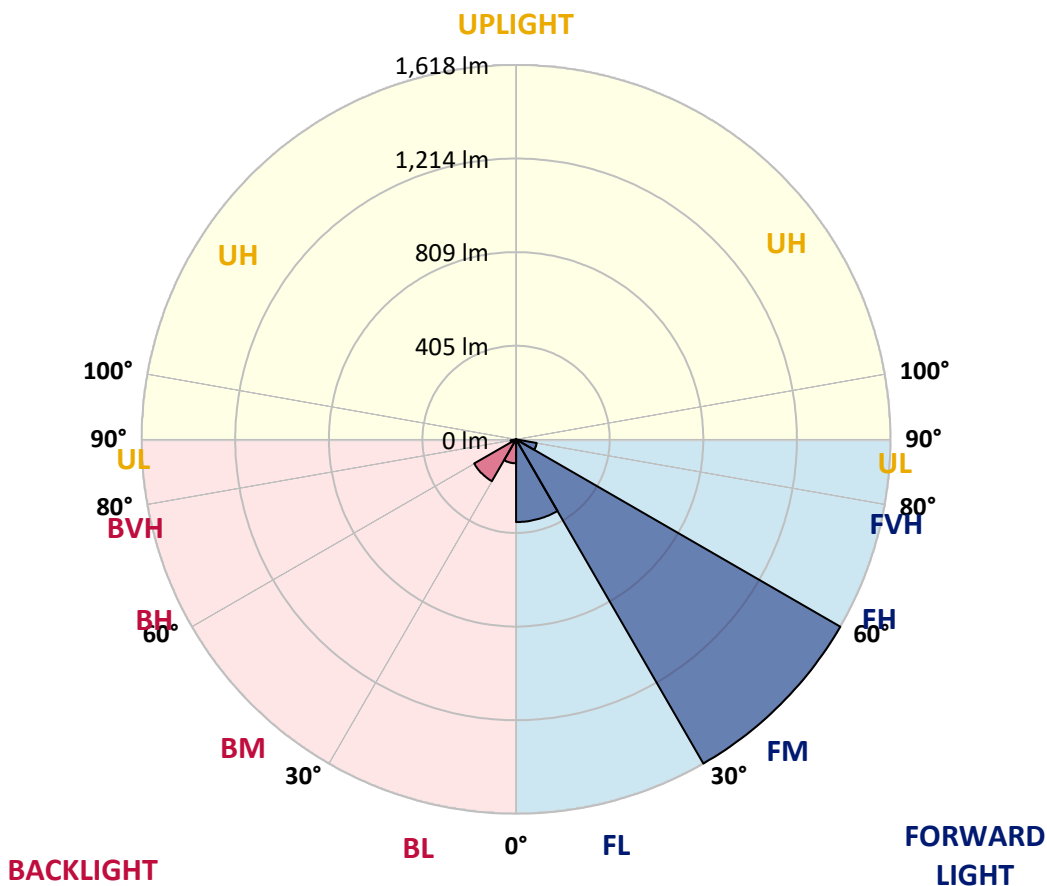
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.5	14.9			
FM (30°-60°)	1618.0	67.3			
FH (60°-80°)	90.5	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	103.6	4.3	B0/110		
BM (30°-60°)	209.0	8.7	B0/220		
BH (60°-80°)	23.9	1.0	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: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	424.7	418.0	414.1	411.1	397.4	375.9	361.7	354.3	342.0	321.1	303.2
5°	554.2	549.3	540.3	534.1	516.7	486.1	454.5	441.9	413.9	366.9	324.7
7.5°	640.0	636.4	633.0	624.8	608.4	580.6	545.7	532.6	489.4	422.6	353.5
10°	706.0	703.2	699.3	699.1	686.2	661.3	627.1	613.5	566.8	483.3	387.4
12.5°	764.1	761.8	761.0	768.2	760.0	741.5	704.5	687.5	637.9	545.2	424.9
15°	803.9	803.4	806.7	820.8	825.5	817.0	785.9	767.7	710.6	607.3	466.3
17.5°	822.1	823.7	830.1	854.5	875.1	882.2	858.4	842.9	782.8	670.3	510.5
20°	853.2	852.7	856.6	879.7	904.9	930.5	923.4	910.3	855.8	736.8	559.6
22.5°	940.8	933.4	925.2	928.7	937.7	967.8	981.2	974.5	931.1	805.2	610.2
25°	1075.4	1067.7	1041.3	1015.6	998.6	1012.2	1030.5	1033.8	1005.8	875.3	663.1
27.5°	1218.3	1211.4	1181.6	1143.0	1094.5	1070.8	1084.4	1091.1	1079.3	958.8	719.4
30°	1352.1	1342.9	1310.3	1262.5	1206.2	1170.0	1154.6	1159.2	1166.1	1057.7	785.4
32.5°	1468.3	1461.3	1422.3	1371.9	1317.7	1280.0	1244.0	1251.7	1268.6	1178.7	869.9
35°	1566.7	1563.1	1521.7	1471.6	1414.3	1395.1	1364.2	1365.8	1382.7	1324.9	972.9
37.5°	1652.2	1646.1	1608.5	1562.0	1516.6	1513.5	1505.0	1505.8	1514.5	1495.2	1091.4
40°	1706.2	1700.5	1673.8	1645.0	1612.7	1613.2	1657.1	1660.4	1650.4	1662.5	1216.5
42.5°	1726.5	1722.4	1708.0	1708.2	1704.9	1720.0	1802.5	1808.7	1772.7	1793.8	1323.4
45°	1691.3	1689.5	1690.5	1727.5	1767.6	1814.3	1921.5	1932.3	1881.4	1880.9	1406.9
47.5°	1577.7	1574.1	1604.2	1667.1	1759.9	1850.8	1993.4	2010.1	1957.4	1930.7	1459.3
50°	1355.2	1365.5	1413.0	1507.6	1648.6	1800.7	1992.6	2021.7	1960.3	1926.4	1450.5
52.5°	981.7	979.6	1083.7	1213.7	1385.3	1640.4	1886.8	1929.2	1891.7	1883.4	1431.0
55°	534.1	552.9	623.0	795.2	1009.4	1337.0	1645.0	1737.5	1780.9	1867.8	1466.2
57.5°	196.3	204.5	248.4	370.2	534.4	831.4	1256.6	1396.1	1530.2	1824.1	1460.3
60°	79.1	80.7	98.1	136.2	224.5	423.1	753.8	877.6	1004.0	1396.3	1120.7
62.5°	57.5	59.6	66.5	79.6	113.6	185.0	325.0	377.9	413.1	691.6	552.1
65°	46.5	48.0	53.7	59.6	75.0	99.4	104.8	101.0	100.5	178.8	126.7
67.5°	38.5	40.1	44.2	48.3	54.0	49.6	36.0	37.8	30.8	30.6	24.9
70°	28.3	30.1	34.2	38.5	32.4	13.4	20.8	30.8	23.4	19.5	19.0
72.5°	21.3	22.6	26.5	25.2	9.5	5.1	13.9	22.4	18.0	14.4	14.1
75°	15.9	16.7	13.4	4.1	1.0	1.3	5.1	9.2	10.0	8.2	8.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	1.0	1.3	1.5
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	292.9	282.1	266.7	253.8	244.1	234.6	227.4	220.2	219.9	216.3	215.6
5°	305.2	285.7	257.4	237.1	224.8	217.4	212.2	209.6	208.4	207.1	206.6
7.5°	322.9	294.9	255.9	234.3	224.0	219.1	215.6	214.0	213.2	212.2	212.0
10°	344.8	308.3	261.5	239.7	230.7	226.1	222.2	219.9	218.6	216.8	216.3
12.5°	371.0	324.7	270.5	248.7	239.2	233.0	227.9	224.5	222.7	220.4	219.9
15°	399.2	342.5	280.6	256.9	245.6	237.6	231.2	226.1	222.7	219.9	219.1
17.5°	428.5	360.5	289.5	262.6	248.7	239.2	229.9	223.0	218.9	215.3	214.3
20°	461.4	379.0	295.5	263.6	247.7	235.1	224.3	215.6	211.4	206.6	205.5
22.5°	495.8	396.2	298.0	261.3	242.0	227.4	215.8	206.8	200.9	195.8	194.2
25°	529.2	411.6	296.7	254.9	233.5	216.6	204.8	195.5	189.1	184.0	182.7
27.5°	564.7	424.4	292.1	245.4	222.0	204.8	193.5	185.5	179.6	173.9	172.6
30°	604.5	436.2	284.7	233.8	208.4	192.7	184.0	178.6	172.1	166.2	164.4
32.5°	652.6	446.8	273.9	219.9	196.3	182.2	177.3	173.2	165.7	159.5	158.3
35°	707.5	455.5	260.3	205.5	184.5	175.5	174.4	169.1	159.3	152.1	150.6
37.5°	771.3	464.0	244.1	191.4	175.7	172.4	172.6	163.4	151.6	142.8	141.8
40°	839.9	472.5	226.1	179.1	167.8	170.6	168.3	155.2	135.9	127.4	126.4
42.5°	911.3	481.7	207.8	167.5	161.1	163.7	160.3	138.7	124.9	120.5	120.0
45°	975.8	492.8	188.1	155.9	154.4	153.6	148.0	125.6	119.7	116.6	116.4
47.5°	1022.3	491.0	167.0	144.9	147.2	144.6	127.4	119.5	114.6	110.5	109.4
50°	1013.8	459.6	145.2	132.6	138.0	135.7	114.6	112.3	107.9	103.5	102.0
52.5°	992.2	417.0	126.1	119.5	127.9	122.5	105.8	103.5	99.7	94.0	92.2
55°	1003.8	376.9	111.2	108.9	117.7	101.5	96.1	92.5	88.4	82.2	81.4
57.5°	966.5	307.5	89.4	90.9	104.1	86.6	84.3	78.6	71.7	67.6	67.1
60°	669.0	165.2	56.0	57.8	75.3	72.7	75.5	70.4	61.9	58.1	57.3
62.5°	307.3	66.3	30.6	29.3	39.6	49.3	64.7	64.2	53.7	47.5	47.0
65°	74.5	30.3	21.8	20.6	22.4	29.5	42.1	50.6	43.4	36.2	35.5
67.5°	24.2	24.7	20.0	18.8	19.8	22.1	25.2	28.0	27.7	25.4	24.9
70°	19.3	22.4	18.5	17.0	17.0	17.7	17.0	13.6	11.8	12.8	13.4
72.5°	14.4	17.0	14.6	13.1	12.6	12.3	10.5	7.7	5.4	4.9	4.6
75°	8.5	9.5	9.0	7.7	7.2	6.4	5.1	3.3	1.8	1.3	0.8
77.5°	1.5	1.8	2.1	1.5	1.3	1.0	0.8	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.3	0.3	0.0	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)