

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: P629419

Luminaire Tested: GWS-SA1B-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629419
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2457.6 lumens
Efficiency: N/A
Efficacy: 98.3 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

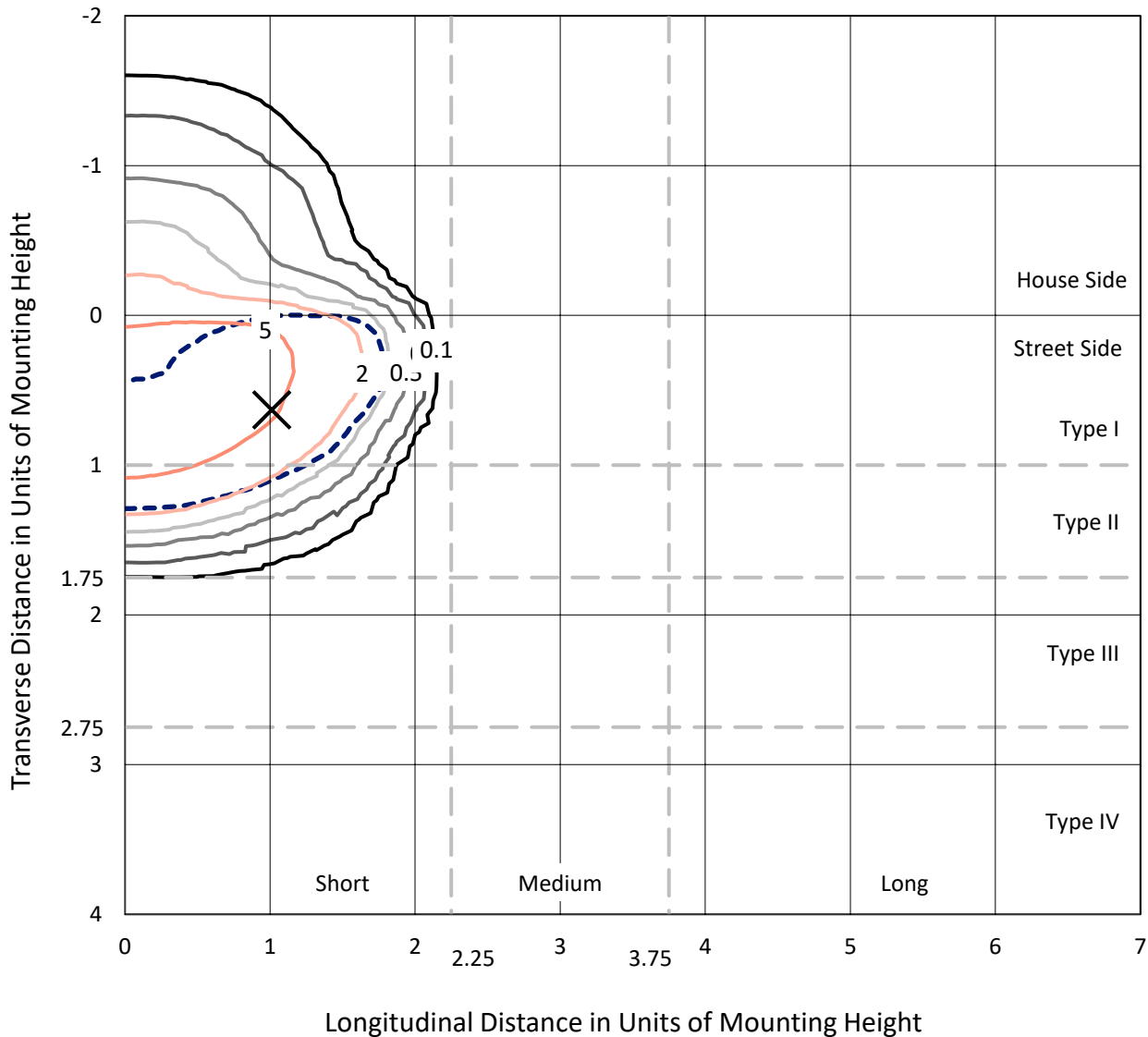
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

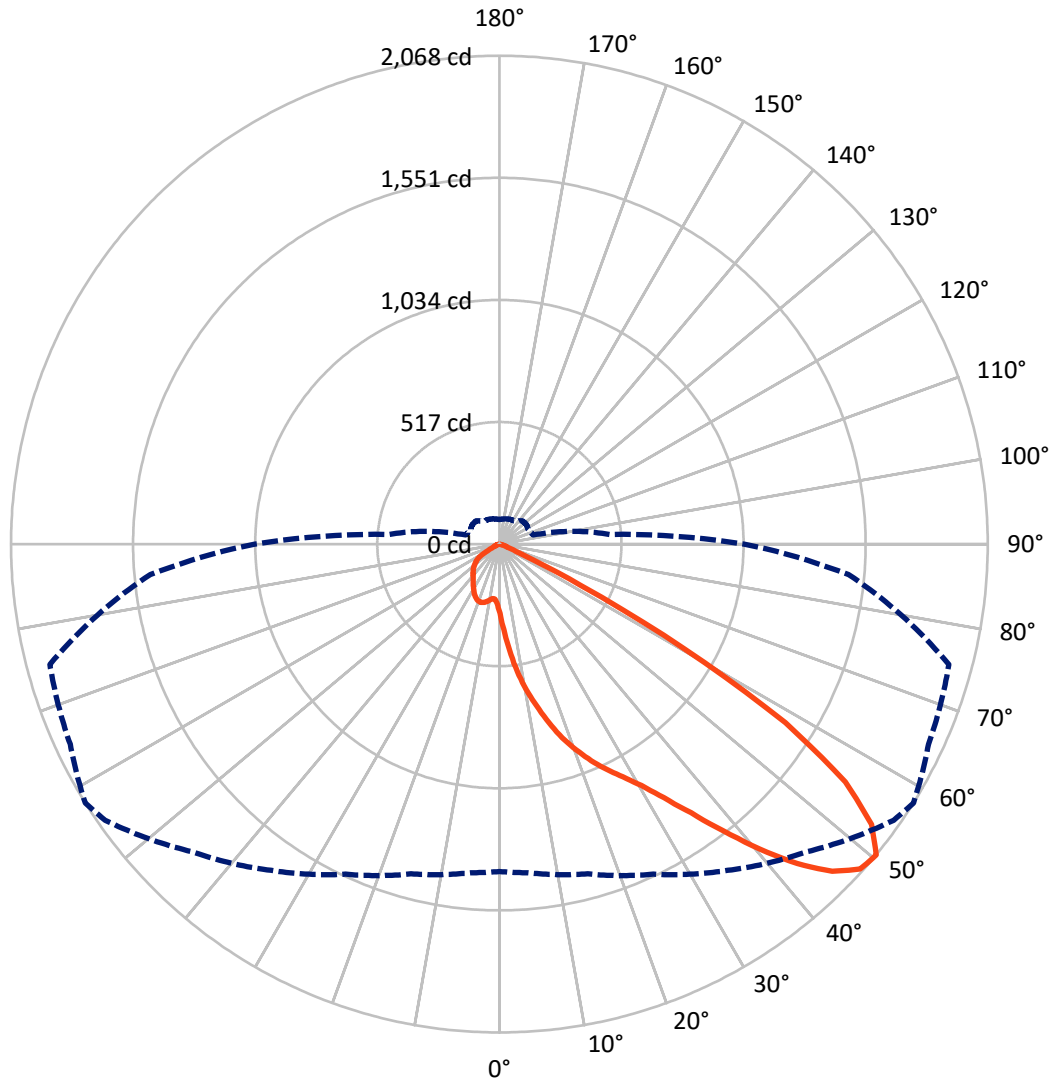
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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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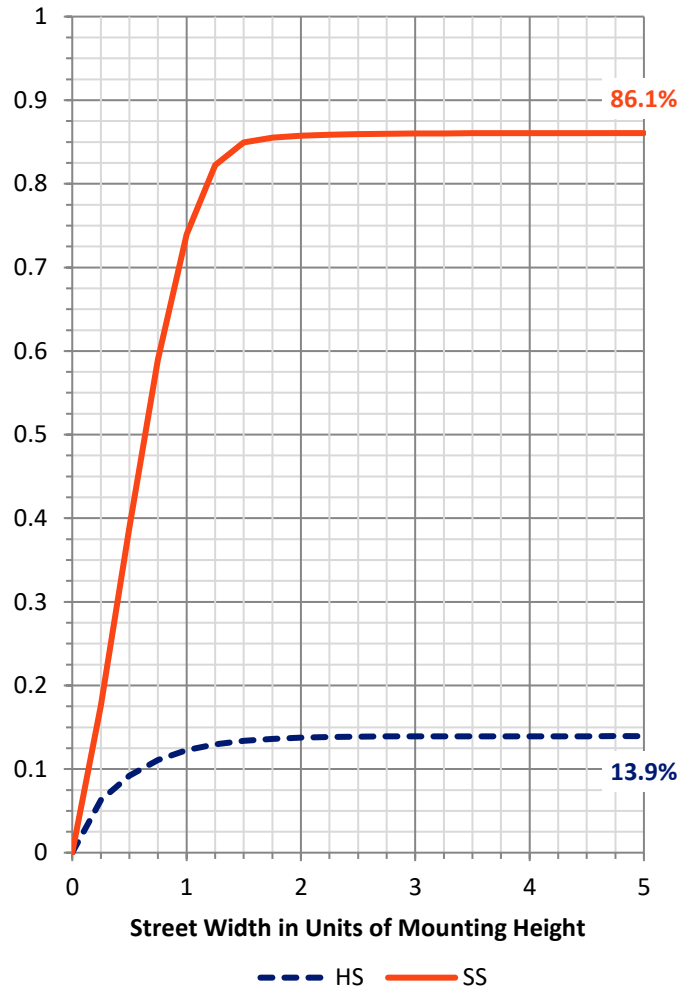
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	344.2	0.0	344.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2113.4	0.0	2113.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	2457.6	0.0	2457.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.5
10°-20°	144.0	5.9
20°-30°	291.3	11.9
30°-40°	515.4	21.0
40°-50°	751.3	30.6
50°-60°	602.2	24.5
60°-70°	108.5	4.4
70°-80°	8.6	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°	2457.6	100.0
0°-180°	2457.6	100.0

Coefficient of Utilization



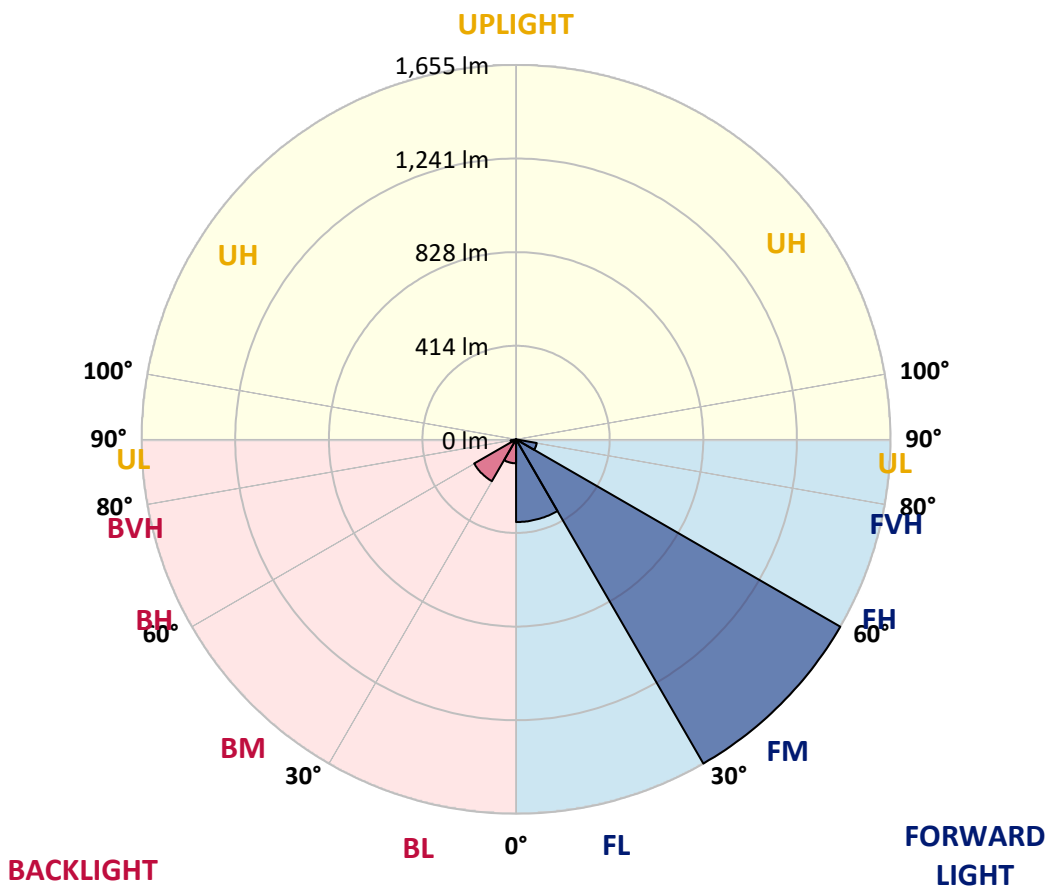
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.7	14.9			
FM (30°-60°)	1655.1	67.3			
FH (60°-80°)	92.6	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	106.0	4.3	B0/110		
BM (30°-60°)	213.8	8.7	B0/220		
BH (60°-80°)	24.5	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°	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6
2.5°	434.4	427.6	423.6	420.5	406.6	384.5	370.0	362.4	349.8	328.5	310.1
5°	566.9	561.9	552.7	546.4	528.5	497.2	464.9	452.0	423.4	375.3	332.2
7.5°	654.7	651.0	647.6	639.1	622.3	593.9	558.2	544.8	500.6	432.3	361.6
10°	722.2	719.3	715.4	715.1	702.0	676.5	641.5	627.6	579.8	494.3	396.3
12.5°	781.6	779.2	778.4	785.8	777.4	758.5	720.6	703.3	652.6	557.7	434.7
15°	822.3	821.8	825.2	839.7	844.4	835.7	803.9	785.3	726.9	621.3	477.0
17.5°	841.0	842.6	849.1	874.1	895.1	902.5	878.0	862.3	800.8	685.7	522.2
20°	872.8	872.3	876.2	899.9	925.6	951.9	944.5	931.1	875.4	753.7	572.4
22.5°	962.4	954.8	946.4	950.0	959.2	990.0	1003.7	996.8	952.4	823.6	624.2
25°	1100.1	1092.2	1065.2	1038.9	1021.5	1035.5	1054.1	1057.5	1028.9	895.4	678.3
27.5°	1246.2	1239.1	1208.7	1169.2	1119.6	1095.4	1109.3	1116.1	1104.1	980.8	735.9
30°	1383.2	1373.7	1340.3	1291.4	1233.9	1196.8	1181.1	1185.8	1192.9	1082.0	803.4
32.5°	1501.9	1494.8	1454.9	1403.4	1347.9	1309.3	1272.5	1280.4	1297.7	1205.8	889.9
35°	1602.6	1598.9	1556.6	1505.4	1446.8	1427.0	1395.5	1397.1	1414.4	1355.3	995.3
37.5°	1690.1	1683.8	1645.4	1597.9	1551.4	1548.2	1539.5	1540.3	1549.3	1529.5	1116.4
40°	1745.3	1739.5	1712.2	1682.8	1649.6	1650.2	1695.1	1698.5	1688.3	1700.6	1244.4
42.5°	1766.1	1761.9	1747.1	1747.4	1744.0	1759.5	1843.9	1850.2	1813.4	1834.9	1353.7
45°	1730.1	1728.2	1729.3	1767.1	1808.1	1855.9	1965.5	1976.6	1924.5	1924.0	1439.1
47.5°	1613.9	1610.2	1641.0	1705.4	1800.2	1893.3	2039.1	2056.2	2002.3	1975.0	1492.7
50°	1386.3	1396.8	1445.4	1542.2	1686.4	1842.0	2038.3	2068.0	2005.2	1970.5	1483.8
52.5°	1004.2	1002.1	1108.5	1241.5	1417.1	1678.0	1930.1	1973.4	1935.1	1926.6	1463.8
55°	546.4	565.6	637.3	813.4	1032.6	1367.7	1682.8	1777.4	1821.8	1910.6	1499.8
57.5°	200.8	209.2	254.1	378.7	546.6	850.4	1285.4	1428.1	1565.3	1865.9	1493.8
60°	80.9	82.5	100.4	139.3	229.7	432.8	771.1	897.8	1027.1	1428.4	1146.4
62.5°	58.9	61.0	68.1	81.5	116.2	189.2	332.5	386.6	422.6	707.5	564.8
65°	47.6	49.1	54.9	61.0	76.7	101.7	107.2	103.3	102.8	182.9	129.6
67.5°	39.4	41.0	45.2	49.4	55.2	50.7	36.8	38.6	31.5	31.3	25.5
70°	28.9	30.7	35.0	39.4	33.1	13.7	21.3	31.5	23.9	20.0	19.4
72.5°	21.8	23.1	27.1	25.8	9.7	5.3	14.2	22.9	18.4	14.7	14.5
75°	16.3	17.1	13.7	4.2	1.1	1.3	5.3	9.5	10.2	8.4	8.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	1.1	1.3	1.6
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°	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6	293.6
2.5°	299.6	288.6	272.8	259.7	249.7	239.9	232.6	225.2	225.0	221.3	220.5
5°	312.2	292.2	263.3	242.6	230.0	222.3	217.1	214.5	213.1	211.8	211.3
7.5°	330.3	301.7	261.8	239.7	229.2	224.2	220.5	218.9	218.1	217.1	216.8
10°	352.7	315.4	267.5	245.2	236.0	231.3	227.3	225.0	223.6	221.8	221.3
12.5°	379.5	332.2	276.7	254.4	244.7	238.4	233.1	229.7	227.9	225.5	225.0
15°	408.4	350.3	287.0	262.8	251.2	243.1	236.5	231.3	227.9	225.0	224.2
17.5°	438.4	368.7	296.2	268.6	254.4	244.7	235.2	228.1	223.9	220.2	219.2
20°	472.0	387.6	302.2	269.6	253.3	240.5	229.4	220.5	216.3	211.3	210.2
22.5°	507.2	405.2	304.9	267.3	247.6	232.6	220.8	211.6	205.5	200.3	198.7
25°	541.4	421.0	303.5	260.7	238.9	221.5	209.5	200.0	193.4	188.2	186.9
27.5°	577.7	434.2	298.8	251.0	227.1	209.5	197.9	189.7	183.7	177.9	176.6
30°	618.4	446.2	291.2	239.2	213.1	197.1	188.2	182.7	176.1	170.0	168.2
32.5°	667.5	457.0	280.2	225.0	200.8	186.3	181.3	177.1	169.5	163.2	161.9
35°	723.8	466.0	266.2	210.2	188.7	179.5	178.4	172.9	162.9	155.6	154.0
37.5°	788.9	474.6	249.7	195.8	179.8	176.3	176.6	167.1	155.1	146.1	145.1
40°	859.1	483.3	231.3	183.2	171.6	174.5	172.1	158.7	139.0	130.4	129.3
42.5°	932.2	492.8	212.6	171.4	164.8	167.4	164.0	141.9	127.7	123.3	122.7
45°	998.1	504.1	192.4	159.5	157.9	157.2	151.4	128.5	122.5	119.3	119.1
47.5°	1045.7	502.2	170.8	148.2	150.6	148.0	130.4	122.2	117.2	113.0	112.0
50°	1037.0	470.2	148.5	135.6	141.1	138.8	117.2	114.8	110.4	105.9	104.3
52.5°	1015.0	426.5	129.0	122.2	130.9	125.4	108.3	105.9	102.0	96.2	94.3
55°	1026.8	385.5	113.8	111.4	120.4	103.8	98.3	94.6	90.4	84.1	83.3
57.5°	988.7	314.6	91.5	93.0	106.4	88.6	86.2	80.4	73.3	69.1	68.6
60°	684.4	169.0	57.3	59.1	77.0	74.4	77.3	72.0	63.3	59.4	58.6
62.5°	314.3	67.8	31.3	30.0	40.5	50.5	66.2	65.7	54.9	48.6	48.1
65°	76.2	31.0	22.3	21.0	22.9	30.2	43.1	51.8	44.4	37.1	36.3
67.5°	24.7	25.2	20.5	19.2	20.2	22.6	25.8	28.6	28.4	26.0	25.5
70°	19.7	22.9	18.9	17.3	17.3	18.1	17.3	13.9	12.1	13.1	13.7
72.5°	14.7	17.3	15.0	13.4	12.9	12.6	10.8	7.9	5.5	5.0	4.7
75°	8.7	9.7	9.2	7.9	7.4	6.6	5.3	3.4	1.8	1.3	0.8
77.5°	1.6	1.8	2.1	1.6	1.3	1.1	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)