

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: P629474

Luminaire Tested: GWS-SA1B-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629474
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2423.9 lumens
Efficiency: N/A
Efficacy: 97.0 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

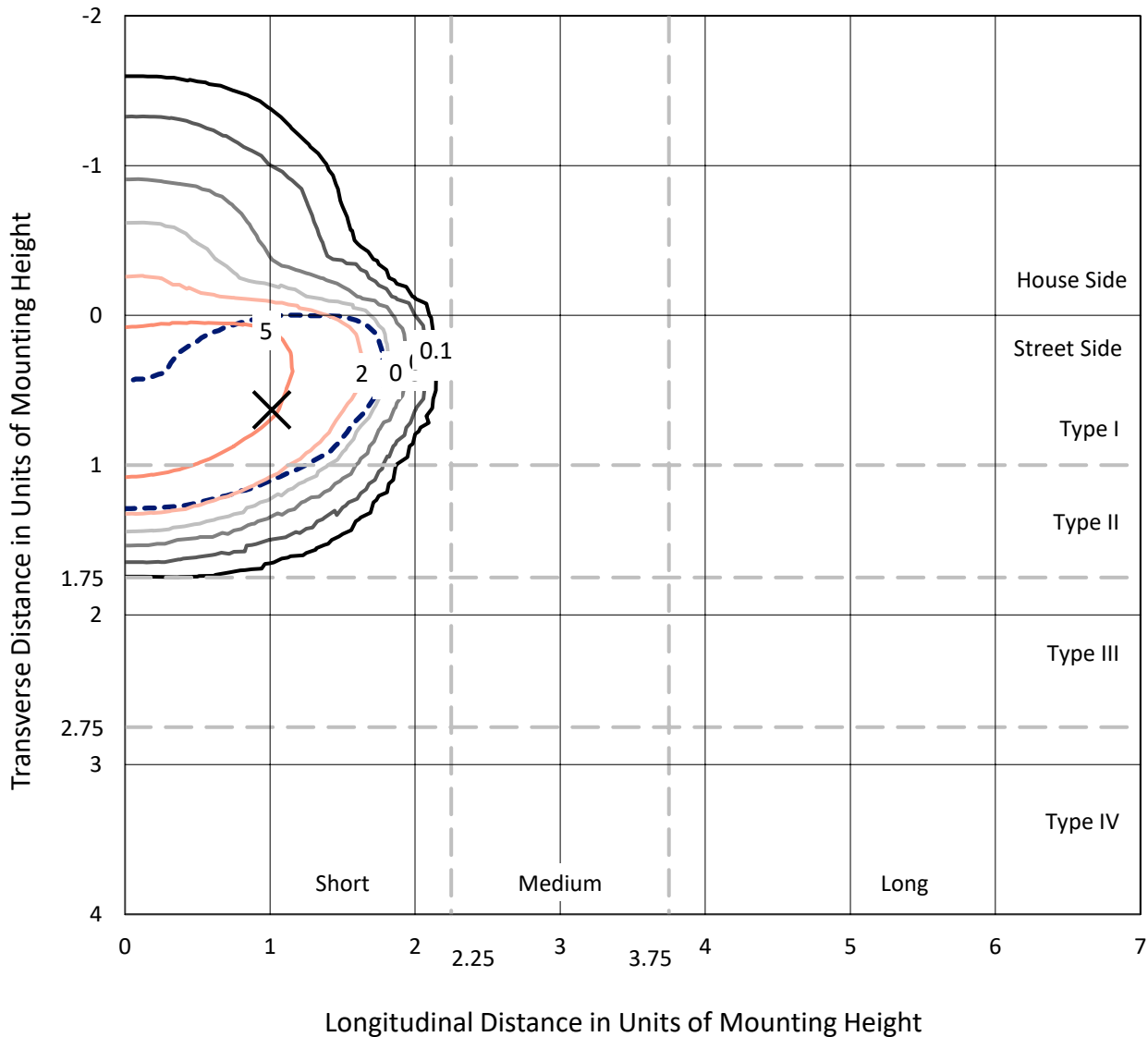
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

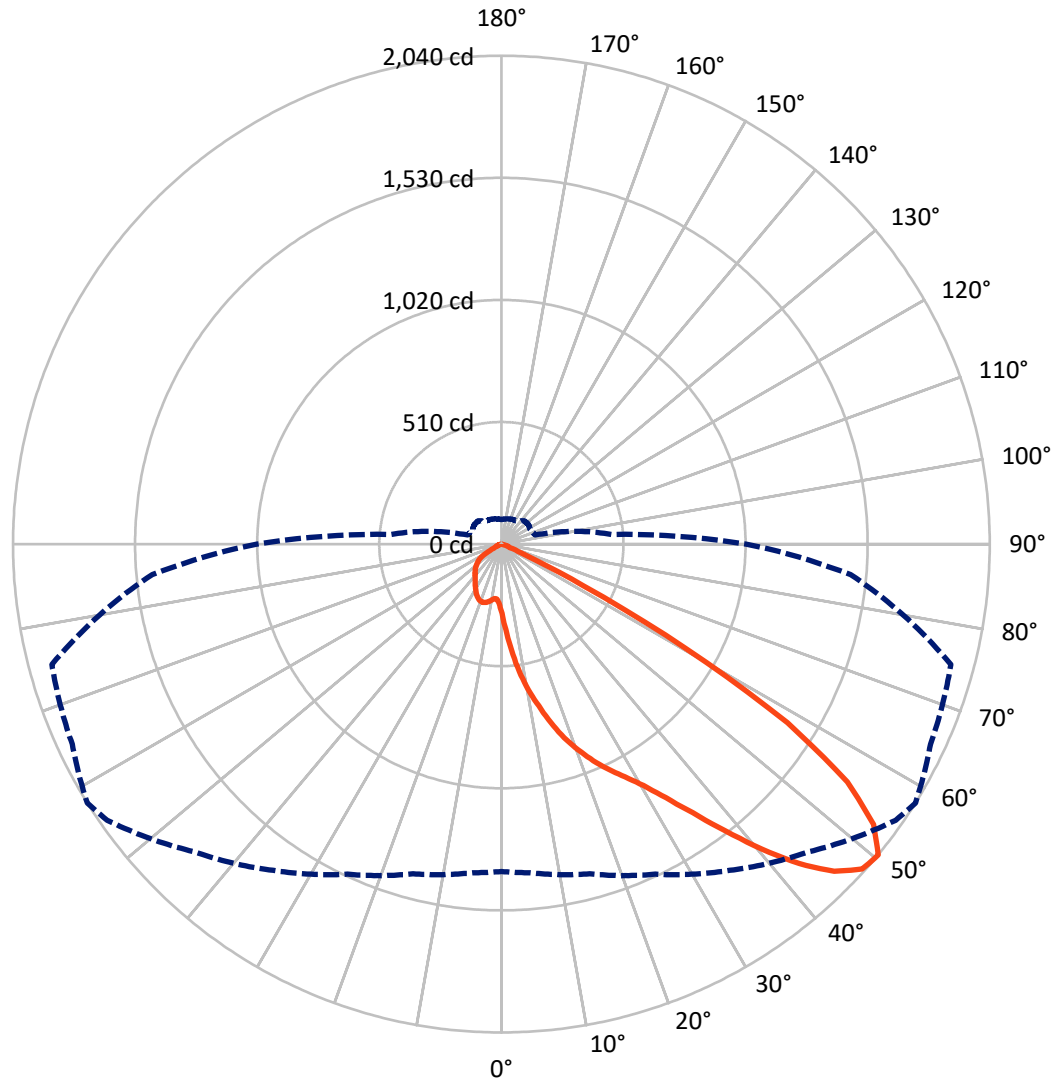
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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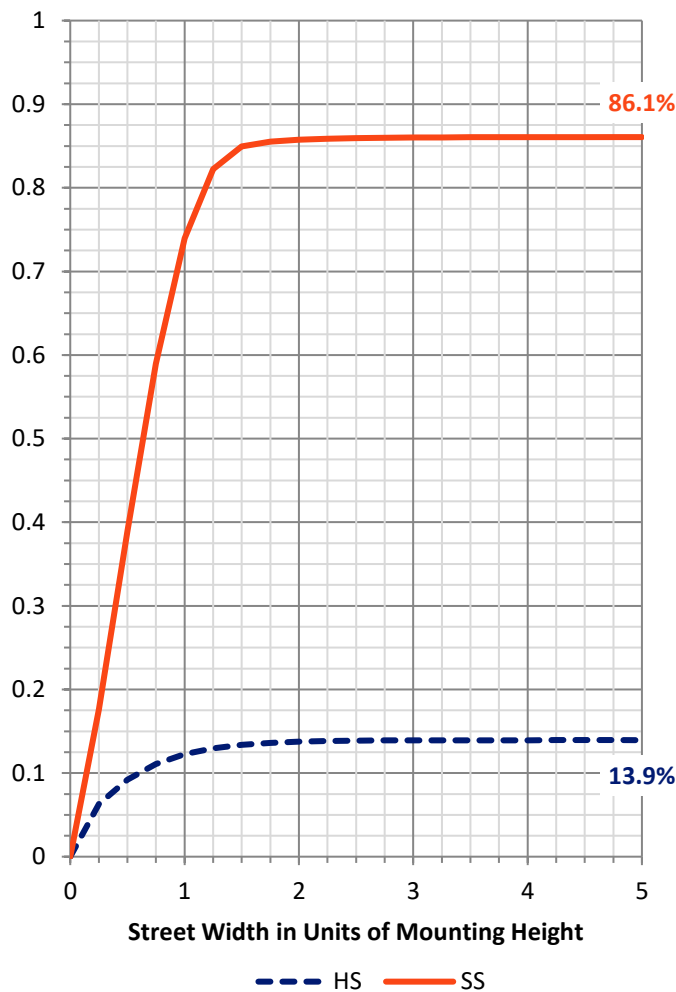
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	339.5	0.0	339.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2084.4	0.0	2084.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	2423.9	0.0	2423.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.5
10°-20°	142.0	5.9
20°-30°	287.3	11.9
30°-40°	508.3	21.0
40°-50°	741.0	30.6
50°-60°	593.9	24.5
60°-70°	107.0	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°	2423.9	100.0
0°-180°	2423.9	100.0

Coefficient of Utilization



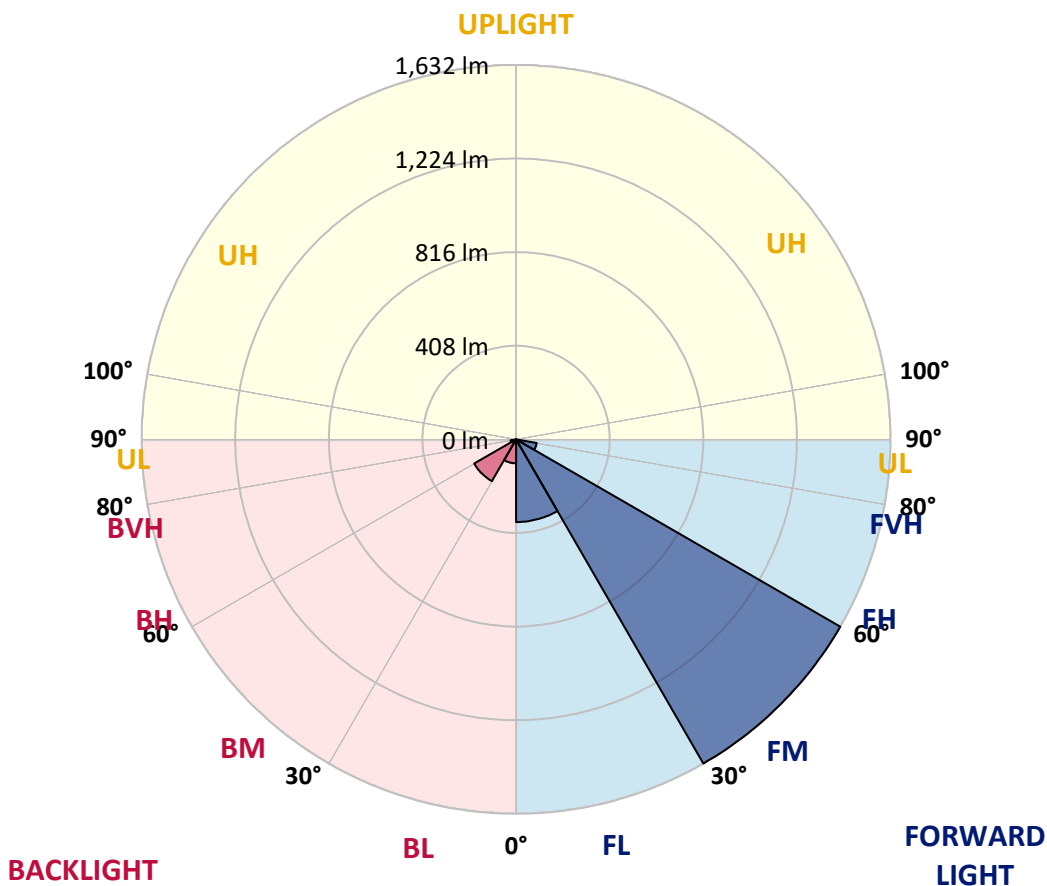
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.7	14.9			
FM (30°-60°)	1632.4	67.3			
FH (60°-80°)	91.3	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	104.5	4.3	B0/110		
BM (30°-60°)	210.9	8.7	B0/220		
BH (60°-80°)	24.1	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°	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5
2.5°	428.5	421.7	417.8	414.7	401.0	379.2	365.0	357.4	345.0	324.0	305.9
5°	559.1	554.2	545.1	538.9	521.3	490.4	458.5	445.8	417.6	370.1	327.6
7.5°	645.7	642.0	638.7	630.4	613.8	585.8	550.5	537.3	493.8	426.4	356.7
10°	712.3	709.4	705.6	705.3	692.3	667.2	632.7	619.0	571.8	487.6	390.9
12.5°	770.9	768.5	767.8	775.0	766.7	748.1	710.7	693.6	643.6	550.0	428.7
15°	811.0	810.5	813.9	828.2	832.8	824.3	792.9	774.5	717.0	612.8	470.5
17.5°	829.5	831.0	837.5	862.1	882.8	890.1	866.0	850.4	789.8	676.3	515.0
20°	860.8	860.3	864.2	887.5	912.9	938.8	931.6	918.4	863.4	743.4	564.5
22.5°	949.2	941.7	933.4	937.0	946.1	976.4	989.9	983.2	939.4	812.3	615.6
25°	1085.0	1077.3	1050.6	1024.6	1007.5	1021.3	1039.7	1043.0	1014.8	883.1	669.0
27.5°	1229.1	1222.1	1192.1	1153.2	1104.2	1080.4	1094.1	1100.8	1088.9	967.3	725.8
30°	1364.2	1354.9	1321.9	1273.7	1217.0	1180.4	1164.9	1169.5	1176.5	1067.1	792.4
32.5°	1481.3	1474.4	1435.0	1384.1	1329.5	1291.4	1255.1	1262.8	1279.9	1189.2	877.7
35°	1580.6	1577.0	1535.3	1484.7	1426.9	1407.5	1376.4	1377.9	1395.0	1336.7	981.6
37.5°	1666.9	1660.7	1622.9	1576.0	1530.1	1527.0	1518.4	1519.2	1528.0	1508.6	1101.1
40°	1721.4	1715.7	1688.7	1659.7	1627.0	1627.5	1671.9	1675.2	1665.1	1677.3	1227.3
42.5°	1741.8	1737.7	1723.2	1723.4	1720.1	1735.4	1818.6	1824.8	1788.5	1809.8	1335.2
45°	1706.3	1704.5	1705.6	1742.9	1783.3	1830.5	1938.6	1949.5	1898.1	1897.6	1419.4
47.5°	1591.8	1588.1	1618.5	1682.0	1775.5	1867.3	2011.2	2028.0	1974.9	1947.9	1472.3
50°	1367.3	1377.7	1425.6	1521.0	1663.3	1816.8	2010.4	2039.7	1977.7	1943.5	1463.5
52.5°	990.4	988.3	1093.3	1224.5	1397.6	1655.0	1903.6	1946.4	1908.5	1900.2	1443.8
55°	538.9	557.8	628.6	802.2	1018.4	1348.9	1659.7	1753.0	1796.8	1884.4	1479.3
57.5°	198.0	206.3	250.7	373.5	539.1	838.8	1267.8	1408.5	1543.8	1840.3	1473.3
60°	79.8	81.4	99.0	137.4	226.5	426.9	760.5	885.4	1013.0	1408.8	1130.6
62.5°	58.1	60.1	67.1	80.4	114.6	186.6	327.9	381.3	416.8	697.8	557.0
65°	46.9	48.5	54.2	60.1	75.7	100.3	105.8	101.9	101.3	180.4	127.8
67.5°	38.9	40.4	44.6	48.7	54.4	50.0	36.3	38.1	31.1	30.8	25.1
70°	28.5	30.3	34.5	38.9	32.7	13.5	21.0	31.1	23.6	19.7	19.2
72.5°	21.5	22.8	26.7	25.4	9.6	5.2	14.0	22.6	18.1	14.5	14.3
75°	16.1	16.8	13.5	4.1	1.0	1.3	5.2	9.3	10.1	8.3	8.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	1.0	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°	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5
2.5°	295.5	284.6	269.1	256.1	246.2	236.7	229.4	222.1	221.9	218.2	217.5
5°	307.9	288.2	259.7	239.2	226.8	219.3	214.1	211.5	210.2	208.9	208.4
7.5°	325.8	297.6	258.2	236.4	226.0	221.1	217.5	215.9	215.1	214.1	213.8
10°	347.9	311.0	263.9	241.8	232.8	228.1	224.2	221.9	220.6	218.8	218.2
12.5°	374.3	327.6	272.9	250.9	241.3	235.1	229.9	226.5	224.7	222.4	221.9
15°	402.8	345.5	283.1	259.2	247.8	239.8	233.3	228.1	224.7	221.9	221.1
17.5°	432.4	363.7	292.1	264.9	250.9	241.3	232.0	225.0	220.8	217.2	216.2
20°	465.5	382.3	298.1	265.9	249.9	237.2	226.3	217.5	213.3	208.4	207.4
22.5°	500.3	399.7	300.7	263.6	244.2	229.4	217.7	208.7	202.7	197.5	196.0
25°	534.0	415.2	299.4	257.1	235.6	218.5	206.6	197.3	190.8	185.6	184.3
27.5°	569.7	428.2	294.7	247.5	224.0	206.6	195.2	187.1	181.2	175.5	174.2
30°	609.9	440.1	287.2	235.9	210.2	194.4	185.6	180.1	173.7	167.7	165.9
32.5°	658.4	450.8	276.3	221.9	198.0	183.8	178.9	174.7	167.2	161.0	159.7
35°	713.8	459.6	262.6	207.4	186.1	177.0	176.0	170.6	160.7	153.4	151.9
37.5°	778.1	468.1	246.2	193.1	177.3	173.9	174.2	164.9	152.9	144.1	143.1
40°	847.3	476.7	228.1	180.7	169.3	172.1	169.8	156.6	137.1	128.6	127.5
42.5°	919.4	486.0	209.7	169.0	162.5	165.1	161.7	140.0	126.0	121.6	121.0
45°	984.5	497.2	189.7	157.3	155.8	155.0	149.3	126.8	120.8	117.7	117.4
47.5°	1031.4	495.3	168.5	146.2	148.5	145.9	128.6	120.5	115.6	111.5	110.4
50°	1022.8	463.7	146.5	133.7	139.2	136.9	115.6	113.3	108.9	104.5	102.9
52.5°	1001.0	420.7	127.3	120.5	129.1	123.6	106.8	104.5	100.6	94.9	93.1
55°	1012.7	380.3	112.2	109.9	118.7	102.4	96.9	93.3	89.2	82.9	82.2
57.5°	975.1	310.3	90.2	91.8	105.0	87.4	85.0	79.3	72.3	68.2	67.7
60°	675.0	166.7	56.5	58.3	75.9	73.4	76.2	71.0	62.5	58.6	57.8
62.5°	310.0	66.9	30.8	29.5	39.9	49.8	65.3	64.8	54.2	48.0	47.4
65°	75.2	30.6	22.0	20.7	22.6	29.8	42.5	51.1	43.8	36.5	35.8
67.5°	24.4	24.9	20.2	18.9	20.0	22.3	25.4	28.3	28.0	25.7	25.1
70°	19.4	22.6	18.7	17.1	17.1	17.9	17.1	13.7	11.9	13.0	13.5
72.5°	14.5	17.1	14.8	13.2	12.7	12.4	10.6	7.8	5.4	4.9	4.7
75°	8.6	9.6	9.1	7.8	7.3	6.5	5.2	3.4	1.8	1.3	0.8
77.5°	1.6	1.8	2.1	1.6	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)