

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: P630238

Luminaire Tested: GWS-SA1D-730-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630238
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-SA1D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3279.9 lumens
Efficiency: N/A
Efficacy: 74.0 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

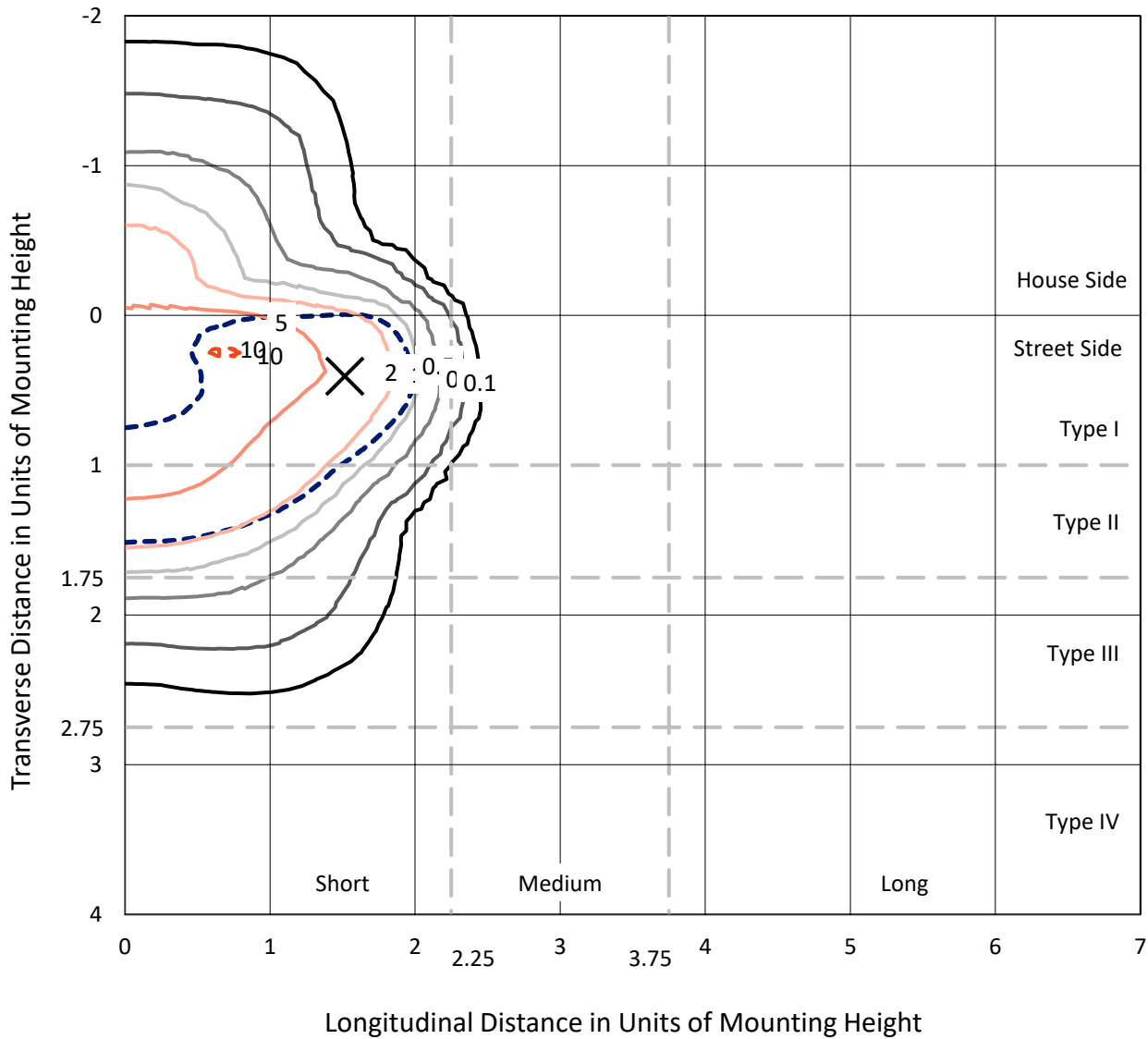
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

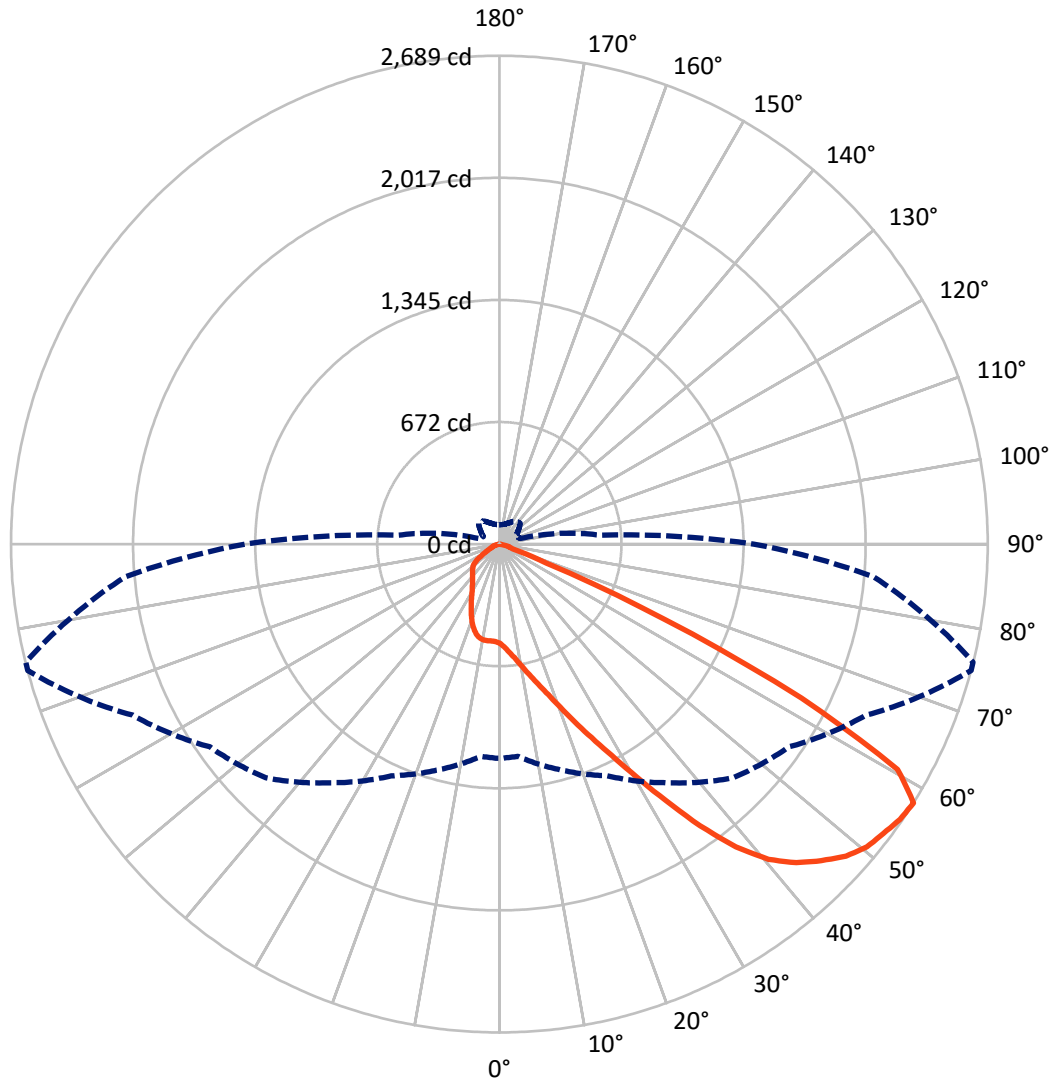
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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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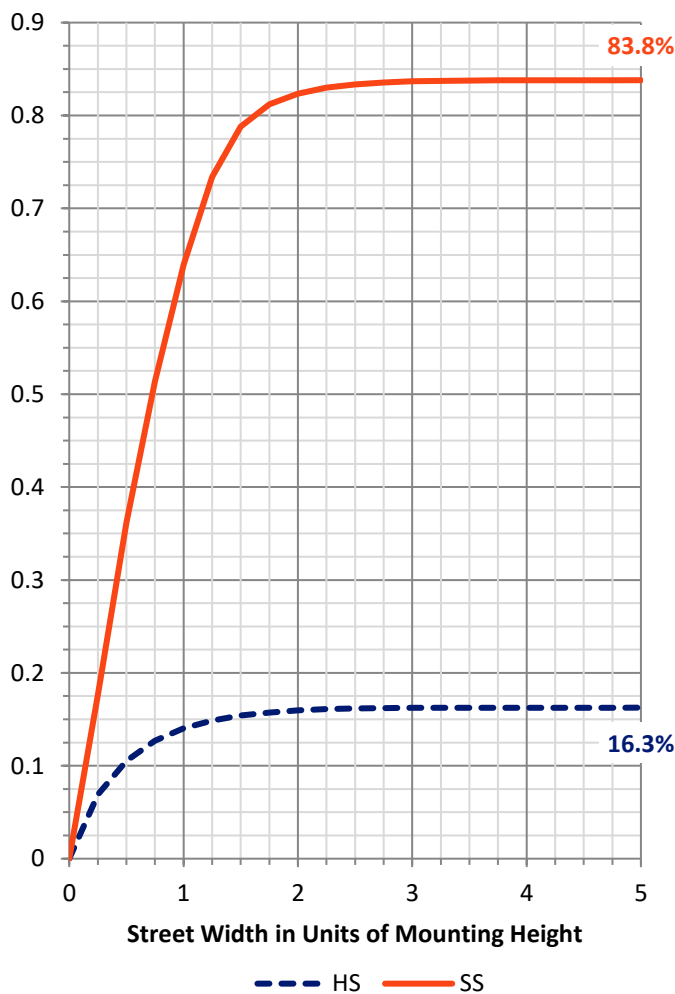
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	535.8	0.0	535.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2744.1	0.0	2744.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	3279.9	0.0	3279.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.7
10°-20°	180.8	5.5
20°-30°	331.1	10.1
30°-40°	549.4	16.8
40°-50°	839.0	25.6
50°-60°	942.8	28.7
60°-70°	347.7	10.6
70°-80°	33.2	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°	3279.9	100.0
0°-180°	3279.9	100.0

Coefficient of Utilization



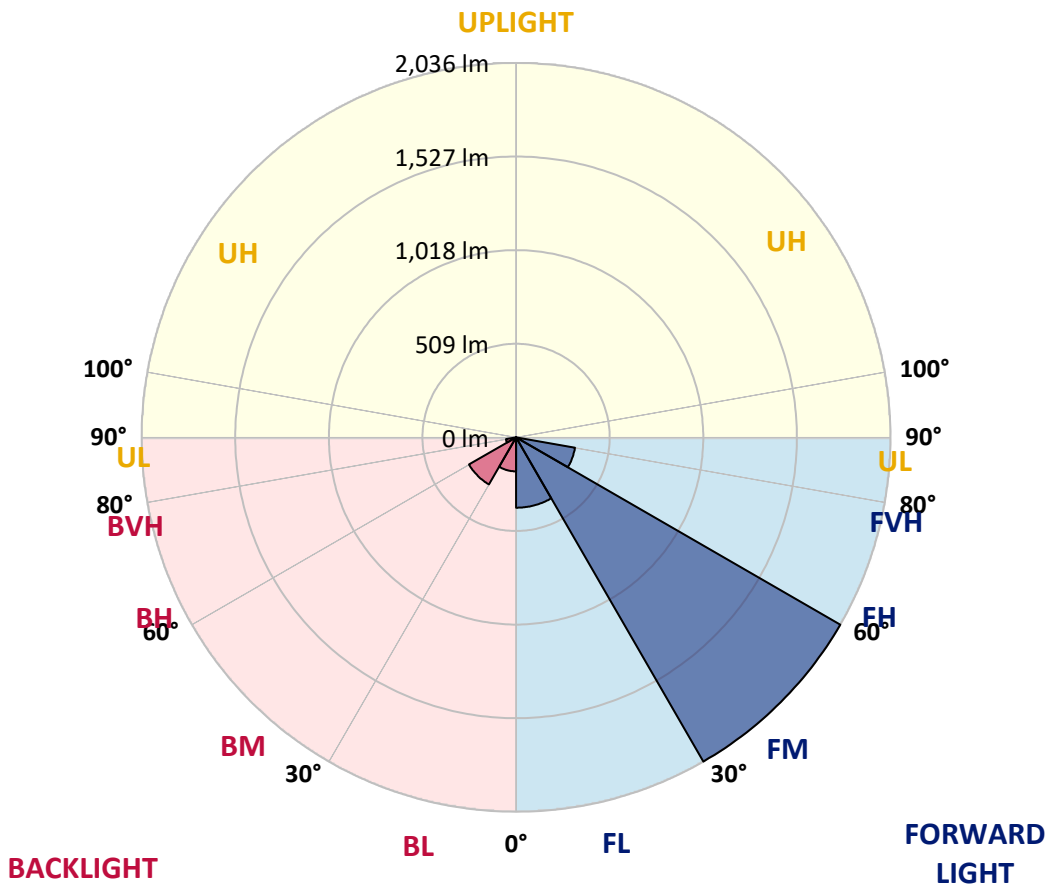
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.8	11.7			
FM (30°-60°)	2036.0	62.1			
FH (60°-80°)	325.4	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	184.9	5.6	B1/500		
BM (30°-60°)	295.2	9.0	B1/1000		
BH (60°-80°)	55.6	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°	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0
2.5°	611.2	617.5	615.5	611.6	609.2	600.9	595.7	580.7	570.0	568.8	558.9
5°	688.4	687.2	685.6	680.8	676.9	663.8	648.4	623.0	600.5	597.7	576.7
7.5°	730.7	731.5	732.3	731.5	728.7	718.8	701.8	672.1	637.7	635.3	602.1
10°	748.1	749.7	753.7	761.2	767.9	767.1	757.2	726.7	684.4	680.4	635.7
12.5°	756.4	758.4	764.7	779.0	797.2	811.5	813.0	785.7	739.0	732.7	675.7
15°	767.9	769.9	777.8	796.4	822.9	851.0	869.2	851.8	799.6	792.9	719.6
17.5°	773.1	775.8	787.3	811.9	846.3	889.4	930.6	929.0	871.2	866.1	770.7
20°	783.0	784.9	795.2	821.7	863.3	925.5	994.7	1019.7	958.7	951.2	832.4
22.5°	814.2	815.0	819.8	836.4	875.2	951.6	1060.0	1125.4	1062.0	1052.1	901.7
25°	865.3	864.9	866.9	869.6	898.1	978.1	1123.0	1244.5	1180.4	1169.7	980.1
27.5°	930.2	930.2	935.0	927.0	938.5	1011.0	1185.1	1381.5	1318.1	1303.1	1066.0
30°	1006.6	1006.2	1017.3	1004.6	1008.2	1062.8	1252.0	1530.7	1484.4	1465.8	1164.9
32.5°	1110.3	1107.9	1120.6	1103.2	1091.3	1141.2	1333.6	1686.6	1683.5	1655.0	1289.2
35°	1241.3	1237.4	1241.3	1224.3	1202.9	1250.8	1440.4	1842.2	1904.4	1874.3	1437.3
37.5°	1371.6	1384.2	1388.6	1359.3	1341.9	1389.8	1569.1	1981.5	2115.3	2084.1	1591.2
40°	1525.1	1521.2	1536.2	1503.4	1492.3	1545.3	1695.0	2085.2	2282.4	2252.7	1728.2
42.5°	1638.4	1645.5	1664.1	1645.9	1637.2	1687.0	1800.6	2145.8	2398.4	2369.1	1826.0
45°	1774.1	1779.3	1786.4	1771.4	1762.2	1811.3	1877.0	2172.3	2486.6	2455.0	1891.7
47.5°	1921.0	1924.9	1924.9	1894.1	1864.8	1885.0	1928.1	2187.4	2567.8	2537.3	1940.4
50°	2026.3	2028.2	2045.7	2023.9	1960.2	1928.9	1951.5	2202.0	2621.6	2593.1	1956.2
52.5°	1932.9	1930.5	1987.9	2033.0	2050.0	1987.9	1991.8	2223.4	2647.7	2623.2	1968.9
55°	1627.7	1623.7	1704.5	1814.1	1964.1	2043.7	2040.5	2236.1	2676.6	2661.6	2014.8
57.5°	1180.0	1173.2	1285.7	1407.6	1604.3	1820.0	1946.7	2228.9	2689.3	2688.1	2068.2
60°	709.3	703.8	809.9	938.1	1090.1	1307.0	1517.2	1996.6	2519.9	2522.2	1929.3
62.5°	436.6	441.7	537.5	602.9	659.5	724.8	846.3	1343.1	1866.7	1882.2	1355.7
65°	293.7	297.7	386.3	468.7	468.7	383.2	328.9	642.0	995.9	969.8	641.2
67.5°	197.1	201.5	271.5	367.7	381.6	267.2	133.4	191.6	277.5	269.2	158.7
70°	116.0	120.7	180.9	252.1	277.9	186.0	89.1	81.1	78.8	76.4	61.7
72.5°	51.9	53.8	92.2	128.2	117.2	78.4	62.9	64.9	61.4	60.2	50.3
75°	15.8	16.6	23.7	27.7	28.1	28.1	38.0	51.1	48.3	48.7	38.8
77.5°	4.0	4.0	6.3	5.9	3.2	2.8	7.1	11.5	11.9	10.7	7.9
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
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°	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0
2.5°	554.6	544.3	537.5	528.0	521.3	514.2	507.9	502.7	499.9	499.1	499.5
5°	567.2	551.0	535.2	517.0	504.3	492.4	482.9	475.4	471.8	470.6	470.6
7.5°	586.6	564.1	536.0	507.5	486.1	467.5	456.4	448.1	444.9	444.1	441.7
10°	612.0	581.1	534.8	490.4	460.4	441.0	433.0	430.7	431.9	432.2	431.9
12.5°	642.4	598.9	527.2	465.5	433.0	421.2	422.0	428.3	435.4	439.0	439.8
15°	674.9	615.1	510.2	435.8	409.7	409.3	420.8	435.4	449.3	455.2	456.8
17.5°	711.3	628.2	484.1	404.1	389.5	401.0	421.6	444.1	462.7	472.6	474.6
20°	751.3	638.9	450.9	374.5	371.7	392.3	420.8	448.5	471.4	482.5	484.5
22.5°	792.9	646.4	412.5	347.1	355.5	382.4	413.2	440.2	461.9	474.6	476.2
25°	840.4	647.2	373.3	324.2	340.4	368.9	395.0	417.2	435.4	446.5	447.7
27.5°	881.9	637.7	338.4	305.6	326.6	352.3	369.7	382.0	394.6	401.0	401.4
30°	929.8	621.1	305.6	290.5	312.3	331.7	340.4	343.2	344.4	345.6	344.0
32.5°	986.8	600.9	281.0	275.9	296.1	309.1	311.5	306.0	299.2	289.7	287.4
35°	1056.9	582.7	260.9	261.6	278.3	286.2	284.2	272.3	259.3	247.8	245.8
37.5°	1132.9	567.2	245.4	247.8	258.9	264.4	258.5	245.4	239.5	229.6	230.0
40°	1200.2	554.6	231.6	233.9	239.1	244.2	234.7	226.0	237.1	236.3	237.1
42.5°	1248.1	543.9	219.7	218.5	222.1	225.6	218.5	214.1	232.7	227.6	230.4
45°	1276.2	534.0	209.8	202.7	208.2	214.5	209.8	204.2	210.6	186.8	184.9
47.5°	1295.2	528.4	201.1	187.2	197.1	208.2	198.3	184.9	175.7	155.2	153.6
50°	1297.1	525.7	190.8	171.4	184.1	195.9	184.5	165.9	152.8	143.7	142.5
52.5°	1307.4	531.2	176.5	151.2	165.1	184.1	176.1	157.5	139.7	131.8	130.2
55°	1353.4	554.6	152.8	123.5	143.7	175.0	169.4	140.5	123.5	118.7	117.6
57.5°	1400.9	559.3	120.3	97.8	125.1	161.9	154.8	129.4	112.8	107.3	106.1
60°	1280.9	460.7	90.2	80.7	110.4	149.6	143.3	122.7	103.3	96.6	95.4
62.5°	841.5	249.0	71.6	68.5	93.0	126.7	130.6	110.8	92.2	85.1	84.7
65°	387.9	115.6	55.0	54.2	72.8	100.9	112.4	97.0	78.0	71.6	71.6
67.5°	105.7	57.4	43.1	40.0	49.5	67.7	81.9	72.4	55.4	47.9	47.5
70°	52.6	46.3	38.8	34.4	35.6	42.0	48.3	40.4	28.1	23.0	22.6
72.5°	43.1	38.0	32.9	29.3	26.9	25.7	24.9	20.2	13.1	9.9	9.5
75°	32.1	27.3	23.4	19.0	16.2	15.0	13.5	9.9	5.5	3.2	2.8
77.5°	7.1	6.7	6.3	4.7	4.4	3.6	2.8	2.0	0.8	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)