

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: P630293

Luminaire Tested: GWS-SA1D-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630293  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

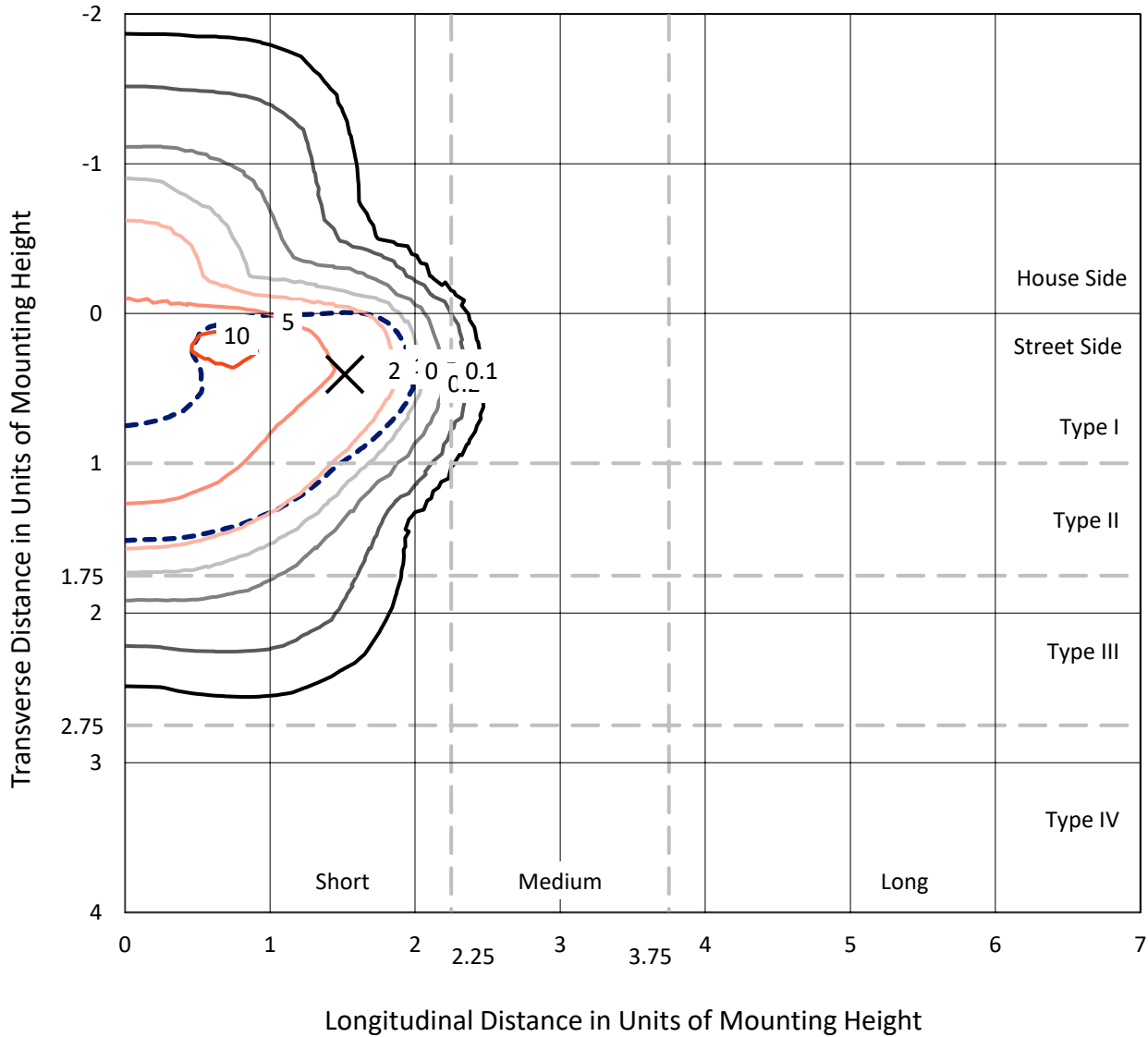
Lumens per Lamp: N/A  
Luminaire Lumens: 3552.5 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

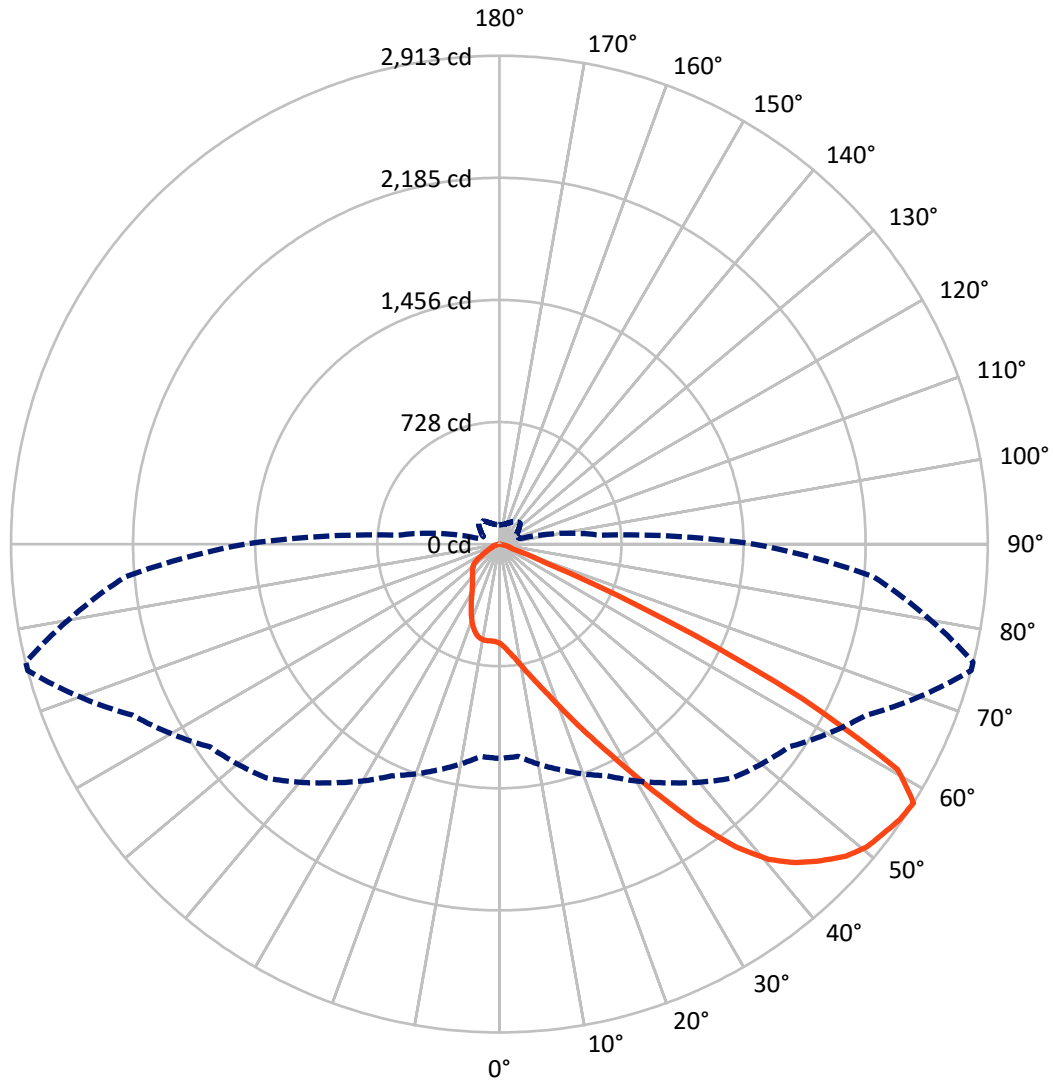
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 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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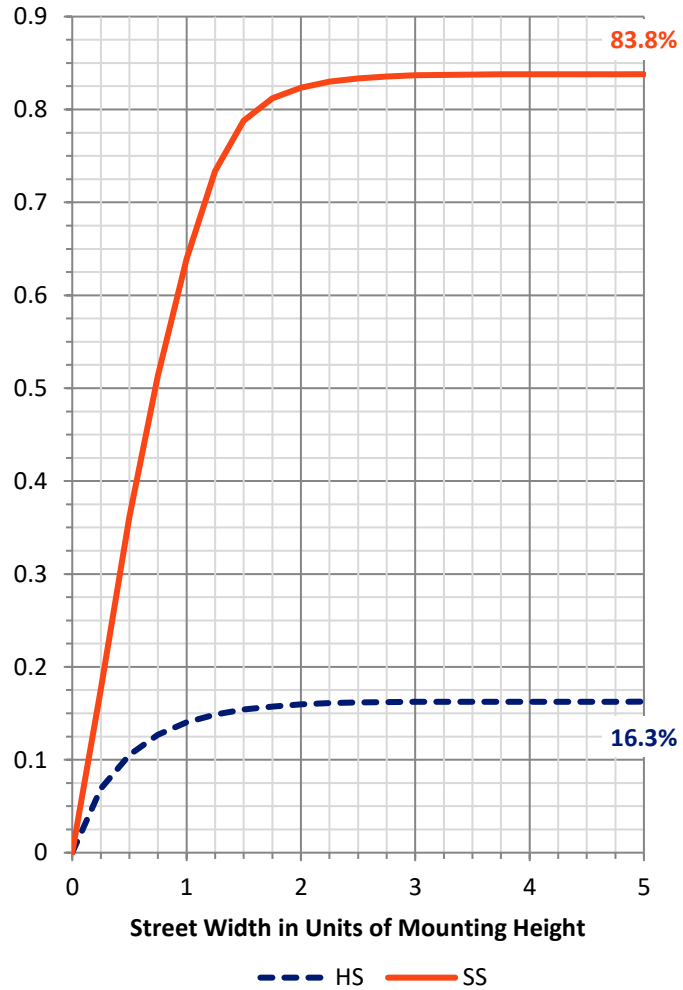
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	580.3	0.0	580.3
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	2972.2	0.0	2972.2
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	3552.5	0.0	3552.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.3	1.7
10°-20°	195.9	5.5
20°-30°	358.7	10.1
30°-40°	595.0	16.8
40°-50°	908.8	25.6
50°-60°	1021.2	28.7
60°-70°	376.7	10.6
70°-80°	36.0	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°	3552.5	100.0
0°-180°	3552.5	100.0

**Coefficient of Utilization**



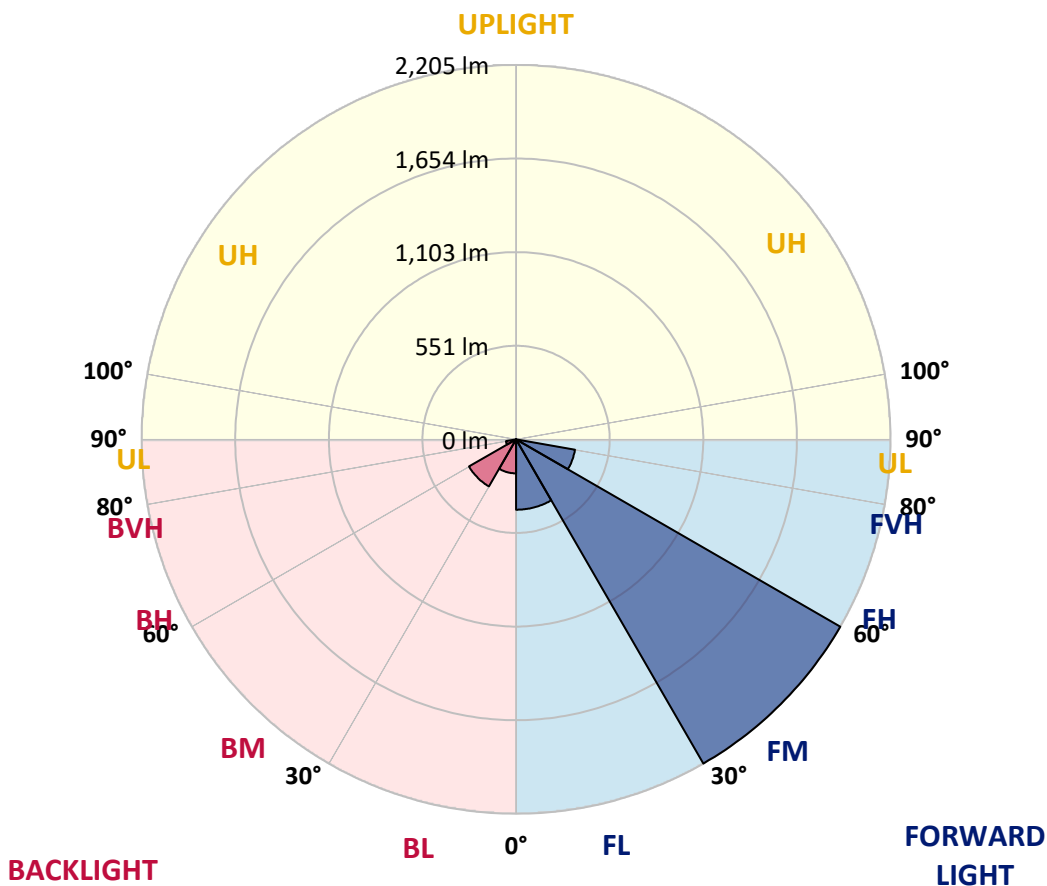
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.6	11.7			
FM (30°-60°)	2205.2	62.1			
FH (60°-80°)	352.4	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	200.2	5.6	B1/500		
BM (30°-60°)	319.8	9.0	B1/1000		
BH (60°-80°)	60.3	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°	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
2.5°	662.0	668.8	666.7	662.4	659.8	650.8	645.2	628.9	617.4	616.1	605.4
5°	745.6	744.3	742.6	737.4	733.1	719.0	702.3	674.8	650.4	647.4	624.7
7.5°	791.4	792.3	793.2	792.3	789.3	778.6	760.1	728.0	690.7	688.1	652.1
10°	810.3	812.0	816.3	824.5	831.7	830.9	820.2	787.2	741.3	737.0	688.5
12.5°	819.3	821.5	828.3	843.7	863.5	878.9	880.6	851.0	800.4	793.6	731.8
15°	831.7	833.9	842.5	862.6	891.3	921.8	941.5	922.6	866.0	858.8	779.4
17.5°	837.3	840.3	852.7	879.3	916.6	963.4	1007.9	1006.2	943.6	938.1	834.7
20°	848.0	850.2	861.3	890.0	935.1	1002.4	1077.4	1104.4	1038.4	1030.2	901.6
22.5°	881.9	882.8	887.9	905.9	947.9	1030.7	1148.1	1218.9	1150.3	1139.6	976.7
25°	937.2	936.8	938.9	941.9	972.8	1059.4	1216.3	1347.9	1278.5	1266.9	1061.5
27.5°	1007.5	1007.5	1012.7	1004.1	1016.5	1095.0	1283.6	1496.3	1427.7	1411.4	1154.6
30°	1090.3	1089.8	1101.8	1088.1	1092.0	1151.1	1356.1	1657.9	1607.7	1587.6	1261.8
32.5°	1202.6	1200.0	1213.7	1194.9	1182.0	1236.0	1444.4	1826.8	1823.4	1792.5	1396.4
35°	1344.5	1340.2	1344.5	1326.1	1302.9	1354.8	1560.2	1995.3	2062.6	2030.0	1556.7
37.5°	1485.6	1499.3	1504.0	1472.3	1453.4	1505.3	1699.5	2146.2	2291.1	2257.3	1723.5
40°	1651.9	1647.6	1663.9	1628.3	1616.3	1673.8	1835.8	2258.6	2472.1	2439.9	1871.8
42.5°	1774.5	1782.2	1802.4	1782.7	1773.2	1827.3	1950.3	2324.2	2597.7	2566.0	1977.7
45°	1921.6	1927.2	1934.9	1918.6	1908.7	1961.9	2033.0	2352.9	2693.3	2659.0	2048.9
47.5°	2080.6	2084.9	2084.9	2051.5	2019.8	2041.6	2088.4	2369.2	2781.2	2748.2	2101.6
50°	2194.7	2196.8	2215.7	2192.1	2123.1	2089.2	2113.6	2385.0	2839.5	2808.6	2118.8
52.5°	2093.5	2090.9	2153.1	2202.0	2220.4	2153.1	2157.4	2408.2	2867.8	2841.2	2132.5
55°	1762.9	1758.7	1846.1	1964.9	2127.4	2213.5	2210.1	2421.9	2899.1	2882.8	2182.2
57.5°	1278.0	1270.8	1392.5	1524.6	1737.7	1971.3	2108.5	2414.2	2912.8	2911.5	2240.1
60°	768.3	762.3	877.2	1016.1	1180.7	1415.7	1643.3	2162.5	2729.3	2731.9	2089.6
62.5°	472.9	478.5	582.2	653.0	714.3	785.0	916.6	1454.7	2021.9	2038.6	1468.4
65°	318.1	322.4	418.4	507.6	507.6	415.0	356.3	695.4	1078.7	1050.4	694.5
67.5°	213.5	218.2	294.1	398.3	413.3	289.4	144.5	207.5	300.5	291.5	171.9
70°	125.6	130.8	195.9	273.1	301.0	201.5	96.5	87.9	85.3	82.7	66.9
72.5°	56.2	58.3	99.9	138.9	126.9	84.9	68.2	70.3	66.5	65.2	54.4
75°	17.1	18.0	25.7	30.0	30.4	30.4	41.2	55.3	52.3	52.7	42.0
77.5°	4.3	4.3	6.9	6.4	3.4	3.0	7.7	12.4	12.9	11.6	8.6
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°	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
2.5°	600.7	589.5	582.2	571.9	564.6	556.9	550.1	544.5	541.5	540.6	541.1
5°	614.4	596.8	579.6	559.9	546.2	533.3	523.1	514.9	511.0	509.8	509.8
7.5°	635.4	610.9	580.5	549.6	526.5	506.3	494.3	485.3	481.9	481.0	478.5
10°	662.8	629.4	579.2	531.2	498.6	477.6	469.0	466.5	467.7	468.2	467.7
12.5°	695.8	648.7	571.1	504.2	469.0	456.2	457.0	463.9	471.6	475.5	476.3
15°	731.0	666.2	552.6	472.0	443.7	443.3	455.7	471.6	486.6	493.0	494.8
17.5°	770.4	680.4	524.3	437.7	421.9	434.3	456.6	481.0	501.2	511.9	514.0
20°	813.7	692.0	488.3	405.6	402.6	424.9	455.7	485.8	510.6	522.6	524.8
22.5°	858.8	700.1	446.7	376.0	385.0	414.2	447.6	476.7	500.3	514.0	515.8
25°	910.2	701.0	404.3	351.1	368.7	399.6	427.9	451.9	471.6	483.6	484.9
27.5°	955.2	690.7	366.6	331.0	353.7	381.6	400.4	413.7	427.4	434.3	434.7
30°	1007.1	672.7	331.0	314.7	338.3	359.3	368.7	371.7	373.0	374.3	372.6
32.5°	1068.8	650.8	304.4	298.8	320.7	334.8	337.4	331.4	324.1	313.8	311.3
35°	1144.7	631.1	282.5	283.4	301.4	310.0	307.8	295.0	280.8	268.4	266.2
37.5°	1227.0	614.4	265.8	268.4	280.4	286.4	280.0	265.8	259.4	248.7	249.1
40°	1299.9	600.7	250.8	253.4	259.0	264.5	254.2	244.8	256.8	256.0	256.8
42.5°	1351.8	589.1	237.9	236.7	240.5	244.4	236.7	231.9	252.1	246.5	249.5
45°	1382.2	578.4	227.2	219.5	225.5	232.4	227.2	221.2	228.1	202.4	200.2
47.5°	1402.8	572.4	217.8	202.8	213.5	225.5	214.8	200.2	190.4	168.1	166.3
50°	1405.0	569.4	206.6	185.6	199.4	212.2	199.8	179.6	165.5	155.6	154.3
52.5°	1416.1	575.4	191.2	163.8	178.8	199.4	190.8	170.6	151.3	142.8	141.1
55°	1465.8	600.7	165.5	133.8	155.6	189.5	183.5	152.2	133.8	128.6	127.3
57.5°	1517.3	605.8	130.3	105.9	135.5	175.4	167.6	140.2	122.2	116.2	114.9
60°	1387.4	499.0	97.8	87.5	119.6	162.1	155.2	132.9	111.9	104.6	103.3
62.5°	911.5	269.7	77.6	74.2	100.8	137.2	141.5	120.0	99.9	92.2	91.7
65°	420.2	125.2	59.6	58.7	78.9	109.3	121.8	105.0	84.5	77.6	77.6
67.5°	114.5	62.2	46.7	43.3	53.6	73.3	88.7	78.5	60.0	51.9	51.4
70°	57.0	50.2	42.0	37.3	38.6	45.4	52.3	43.7	30.4	24.9	24.4
72.5°	46.7	41.2	35.6	31.7	29.2	27.9	27.0	21.9	14.1	10.7	10.3
75°	34.7	29.6	25.3	20.6	17.6	16.3	14.6	10.7	6.0	3.4	3.0
77.5°	7.7	7.3	6.9	5.1	4.7	3.9	3.0	2.1	0.9	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)