

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: P635834

Luminaire Tested: GWS-SA3E-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-750-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

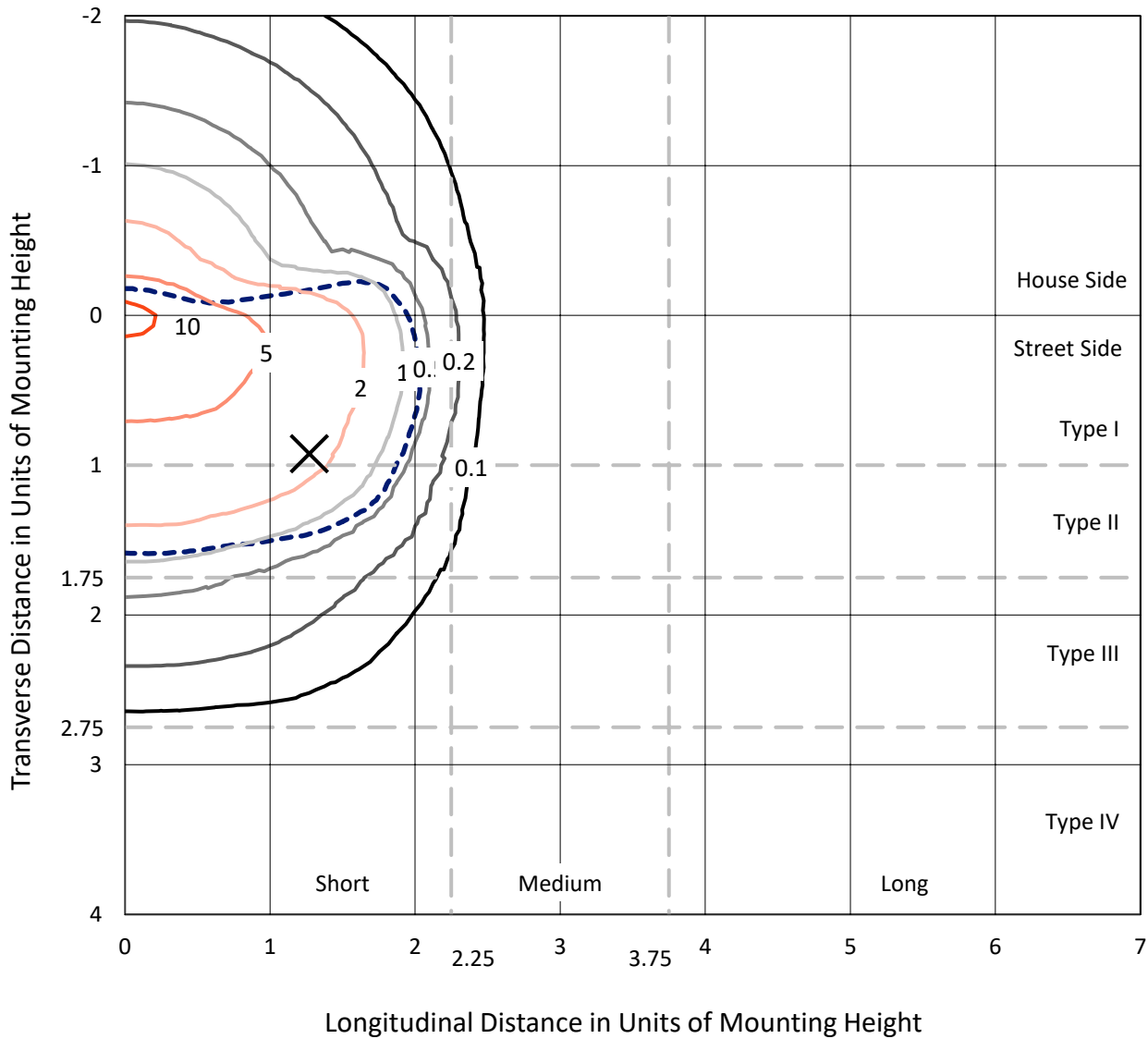
Lumens per Lamp: N/A  
Luminaire Lumens: 18838.8 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

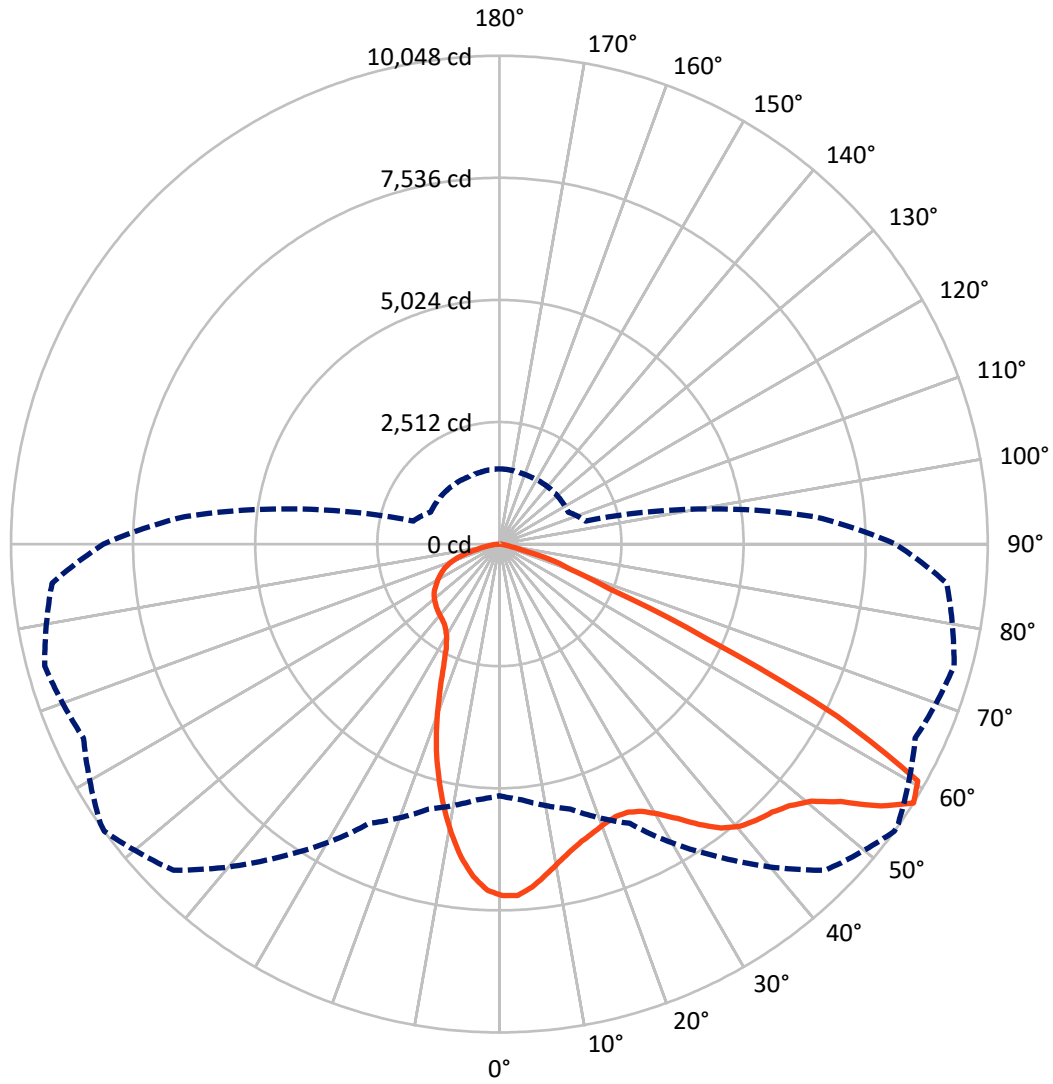
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5476.7	0.0	5476.7
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	13362.2	0.0	13362.2
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	18838.8	0.0	18838.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	635.7	3.4
10°-20°	1517.0	8.1
20°-30°	2099.2	11.1
30°-40°	2916.9	15.5
40°-50°	3852.3	20.4
50°-60°	4577.9	24.3
60°-70°	2536.3	13.5
70°-80°	631.6	3.4
80°-90°	71.8	0.4
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°	18838.8	100.0
0°-180°	18838.8	100.0

**Coefficient of Utilization**



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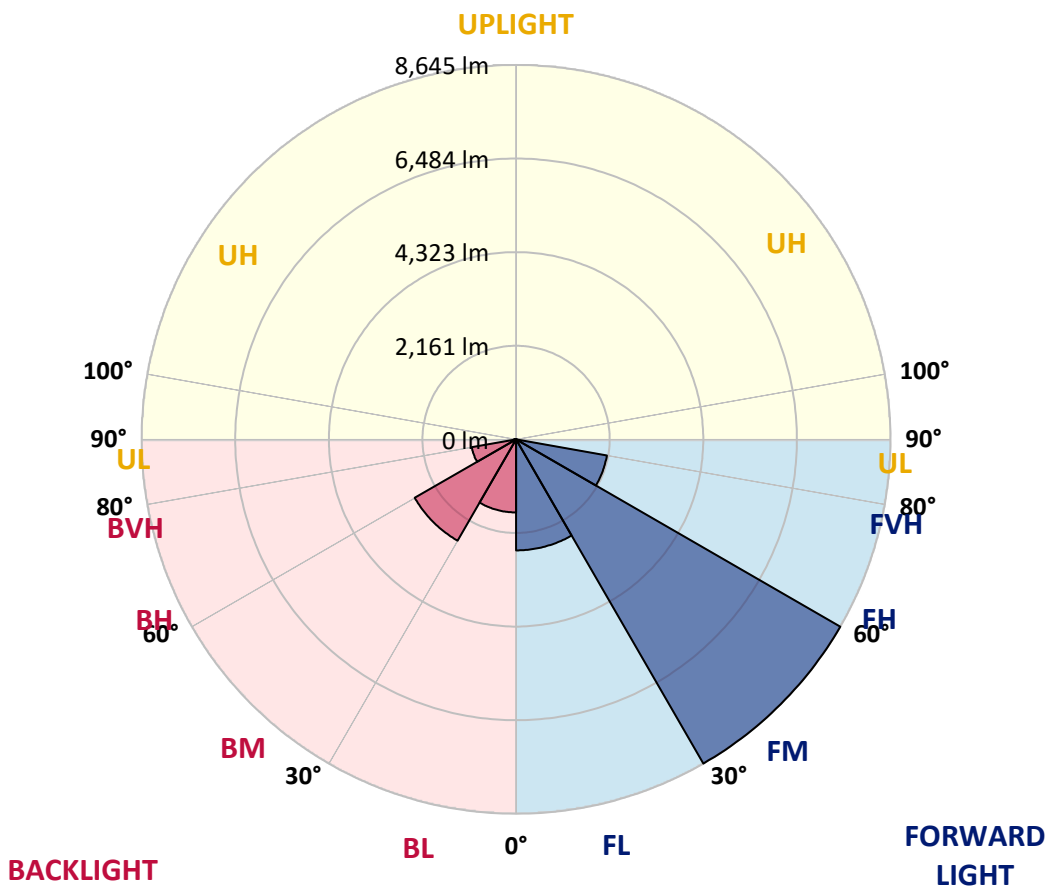
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2564.3	13.6			
FM (30°-60°)	8645.4	45.9			
FH (60°-80°)	2130.0	11.3			G2/5000
FVH (80°-90°)	22.5	0.1			G1/100
BL (0°-30°)	1687.7	9.0	B3/2500		
BM (30°-60°)	2701.8	14.3	B3/5000		
BH (60°-80°)	1037.9	5.5	B3/2500		G3/2500
BVH (80°-90°)	49.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6
2.5°	7097.2	7111.7	7121.4	7155.2	7184.3	7210.1	7237.5	7237.5	7235.9	7231.0	7221.4
5°	6816.6	6832.7	6855.3	6902.1	6964.9	7010.1	7084.3	7090.7	7123.0	7135.9	7129.4
7.5°	6490.8	6495.7	6524.7	6586.0	6686.0	6766.6	6873.0	6885.9	6963.3	7008.5	7000.4
10°	6134.4	6118.3	6169.9	6260.2	6390.9	6526.3	6663.4	6674.7	6798.8	6884.3	6877.9
12.5°	5808.7	5810.3	5861.9	5971.6	6134.4	6302.2	6486.0	6511.8	6665.0	6774.7	6763.4
15°	5536.2	5542.6	5605.5	5729.7	5915.1	6115.1	6344.1	6368.3	6561.8	6706.9	6674.7
17.5°	5318.5	5324.9	5379.7	5521.6	5720.0	5961.9	6240.9	6265.1	6505.3	6677.9	6611.8
20°	5168.5	5165.3	5218.5	5353.9	5558.7	5821.6	6150.6	6186.0	6487.6	6689.2	6569.9
22.5°	5107.2	5105.6	5144.3	5255.6	5447.5	5713.5	6095.7	6144.1	6507.0	6739.2	6544.1
25°	5137.8	5131.4	5165.3	5247.5	5400.7	5671.6	6111.9	6163.5	6589.2	6842.4	6548.9
27.5°	5233.0	5224.9	5253.9	5328.1	5444.2	5715.2	6224.7	6284.4	6763.4	7031.1	6613.4
30°	5378.1	5373.3	5402.3	5473.3	5574.9	5860.3	6440.8	6508.6	7032.7	7324.6	6753.7
32.5°	5547.4	5539.4	5591.0	5673.2	5791.0	6124.8	6731.1	6819.8	7352.0	7701.9	6989.1
35°	5737.7	5731.3	5802.2	5921.6	6090.9	6492.4	7082.7	7179.4	7677.7	8129.3	7302.0
37.5°	5923.2	5923.2	6060.3	6237.7	6450.5	6892.4	7413.3	7474.5	7903.5	8508.2	7637.4
40°	6087.7	6097.4	6303.8	6569.9	6840.8	7253.6	7631.0	7682.6	8003.5	8769.5	7929.3
42.5°	6269.9	6278.0	6518.2	6866.6	7189.1	7545.5	7763.2	7789.0	8022.8	8900.1	8135.7
45°	6415.0	6426.3	6724.7	7097.2	7492.3	7764.8	7868.0	7890.6	8050.2	8971.1	8285.7
47.5°	6490.8	6507.0	6848.8	7282.6	7697.1	7961.6	8040.6	8050.2	8163.1	9095.2	8466.3
50°	6477.9	6510.2	6895.6	7374.6	7848.7	8159.9	8317.9	8334.1	8393.7	9277.5	8677.6
52.5°	6592.4	6606.9	6995.6	7484.2	8064.8	8526.0	8800.1	8822.7	8795.3	9414.5	8803.3
55°	6402.1	6471.5	6871.4	7468.1	8393.7	9092.0	9514.5	9503.2	9159.7	9567.7	9013.0
57.5°	5178.2	5279.7	5645.8	6339.2	7851.9	9488.7	10048.3	10020.9	9441.9	9685.5	9240.4
60°	3584.9	3601.0	3931.6	4423.4	6060.3	8382.4	9891.9	9951.5	9493.5	9537.1	8819.5
62.5°	2867.3	2862.4	2893.1	2906.0	3854.2	5892.5	7808.4	8026.1	7887.4	7431.0	6250.6
65°	2448.0	2465.7	2556.0	2509.3	2515.7	3318.8	4665.3	4696.0	4599.2	4434.7	3305.9
67.5°	1915.8	1946.4	2106.1	2288.3	2230.3	2136.7	2420.6	2406.0	1896.5	1467.5	1212.7
70°	1199.8	1219.1	1390.1	1796.5	1941.6	1754.5	1556.2	1549.7	1016.0	835.3	916.0
72.5°	699.9	703.1	751.5	1001.4	1288.5	1199.8	1145.0	1103.0	653.1	666.0	730.5
75°	385.4	385.4	383.8	432.2	508.0	449.9	435.4	424.1	437.0	495.1	543.5
77.5°	80.6	82.2	87.1	114.5	148.4	180.6	227.4	229.0	285.4	330.6	369.3
80°	37.1	38.7	48.4	61.3	79.0	104.8	138.7	140.3	172.6	208.0	233.8
82.5°	19.4	21.0	25.8	32.3	41.9	54.8	77.4	77.4	103.2	122.6	138.7
85°	6.5	6.5	9.7	12.9	17.7	22.6	30.6	30.6	45.2	59.7	69.3
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.5	6.5	8.1	9.7	16.1
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°	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6	7232.6
2.5°	7200.4	7150.4	7152.0	7161.7	7131.0	7084.3	7053.6	7014.9	6990.7	6985.9	7003.6
5°	7097.2	7039.1	6998.8	6956.9	6869.8	6766.6	6686.0	6619.8	6576.3	6560.2	6540.8
7.5°	6955.3	6879.5	6777.9	6660.2	6502.1	6318.3	6189.3	6068.3	5984.5	5960.3	5949.0
10°	6813.4	6703.7	6523.1	6303.8	6040.9	5792.6	5558.7	5379.7	5237.8	5157.2	5183.0
12.5°	6666.6	6531.1	6248.9	5911.9	5545.8	5171.7	4865.3	4568.6	4339.6	4225.1	4191.2
15°	6537.6	6353.8	5960.3	5503.9	5016.9	4546.0	4102.5	3657.4	3367.2	3209.1	3165.6
17.5°	6427.9	6189.3	5655.5	5087.8	4505.7	3834.8	3289.8	2876.9	2678.6	2591.5	2585.0
20°	6319.9	6028.0	5353.9	4639.5	3915.5	3164.0	2677.0	2483.4	2412.5	2381.9	2380.2
22.5°	6223.1	5858.7	5036.2	4191.2	3328.5	2659.2	2391.5	2307.7	2288.3	2288.3	2285.1
25°	6140.9	5689.4	4710.5	3715.5	2797.9	2367.3	2243.2	2207.7	2215.8	2230.3	2231.9
27.5°	6107.0	5557.1	4396.0	3226.9	2431.8	2198.0	2141.6	2136.7	2159.3	2181.9	2185.1
30°	6142.5	5466.8	4073.5	2759.2	2212.5	2094.8	2069.0	2078.7	2106.1	2128.7	2128.7
32.5°	6252.2	5421.7	3744.5	2417.3	2085.1	2022.2	2014.2	2023.8	2044.8	2057.7	2059.3
35°	6437.6	5439.4	3404.3	2186.7	2002.9	1969.0	1967.4	1973.9	1981.9	1990.0	1991.6
37.5°	6671.4	5518.4	3039.8	2052.9	1949.7	1930.3	1927.1	1925.5	1927.1	1927.1	1928.7
40°	6900.4	5637.8	2714.1	1973.9	1912.6	1896.5	1888.4	1877.1	1875.5	1872.3	1870.7
42.5°	7069.8	5729.7	2454.4	1917.4	1878.7	1859.4	1849.7	1831.9	1830.3	1828.7	1827.1
45°	7197.2	5807.1	2238.3	1862.6	1843.2	1825.5	1804.5	1788.4	1791.6	1794.9	1794.9
47.5°	7340.7	5874.8	2080.3	1811.0	1799.7	1782.0	1756.2	1744.9	1756.2	1767.4	1767.4
50°	7514.9	5970.0	1951.3	1759.4	1754.5	1733.6	1711.0	1706.2	1719.1	1735.2	1735.2
52.5°	7642.3	6052.2	1859.4	1707.8	1707.8	1680.4	1661.0	1659.4	1673.9	1690.0	1691.6
55°	7880.9	6244.1	1827.1	1648.1	1641.7	1620.7	1606.2	1594.9	1612.6	1627.1	1627.1
57.5°	8150.2	6498.9	1835.2	1562.6	1554.6	1548.1	1536.8	1523.9	1528.8	1544.9	1546.5
60°	7579.4	6005.4	1746.5	1477.2	1472.3	1469.1	1454.6	1432.0	1438.5	1451.4	1453.0
62.5°	5294.3	3991.3	1412.7	1370.7	1386.9	1385.2	1365.9	1340.1	1341.7	1359.4	1359.4
65°	2747.9	2159.3	1240.1	1274.0	1298.2	1288.5	1256.2	1233.7	1230.4	1253.0	1248.2
67.5°	1185.3	1178.8	1128.8	1172.4	1198.2	1177.2	1143.4	1106.3	1109.5	1117.6	1111.1
70°	954.7	983.7	1004.7	1051.4	1072.4	1033.7	996.6	975.6	957.9	956.3	945.0
72.5°	762.8	803.1	849.9	898.2	904.7	866.0	819.2	799.9	772.4	770.8	759.5
75°	574.1	608.0	645.1	683.8	683.8	646.7	616.0	606.3	574.1	564.4	554.7
77.5°	391.9	412.8	441.9	451.5	461.2	446.7	416.1	399.9	362.8	353.2	340.3
80°	246.7	261.2	279.0	285.4	295.1	277.4	253.2	235.4	209.6	201.6	195.1
82.5°	148.4	158.0	169.3	172.6	180.6	167.7	145.1	132.2	117.7	111.3	106.4
85°	75.8	80.6	87.1	88.7	87.1	74.2	66.1	59.7	50.0	48.4	45.2
87.5°	19.4	22.6	24.2	22.6	21.0	16.1	11.3	8.1	3.2	3.2	1.6
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)