

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: P634914

Luminaire Tested: GWS-SA3C-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-760-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

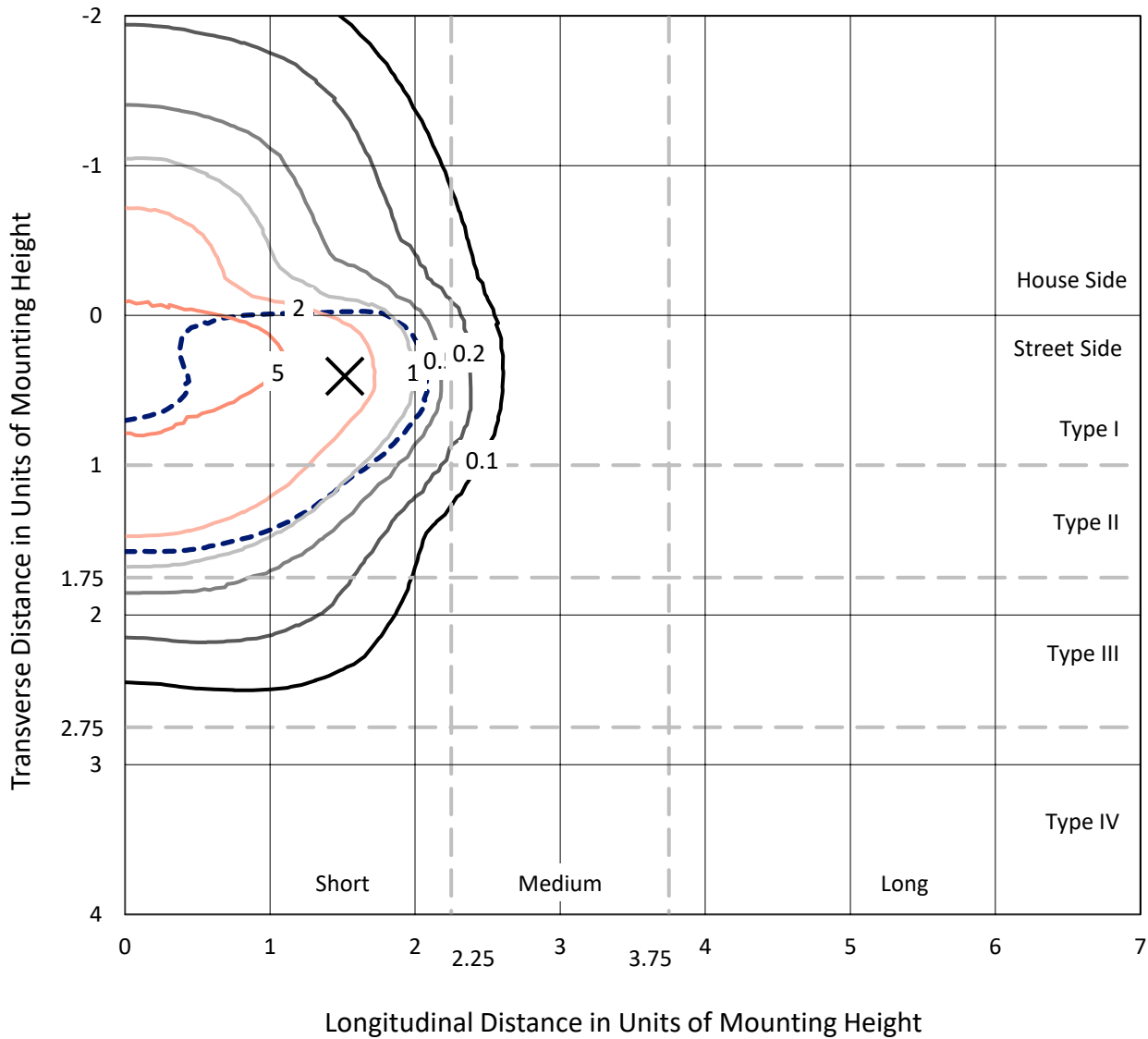
Lumens per Lamp: N/A  
Luminaire Lumens: 11733.5 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

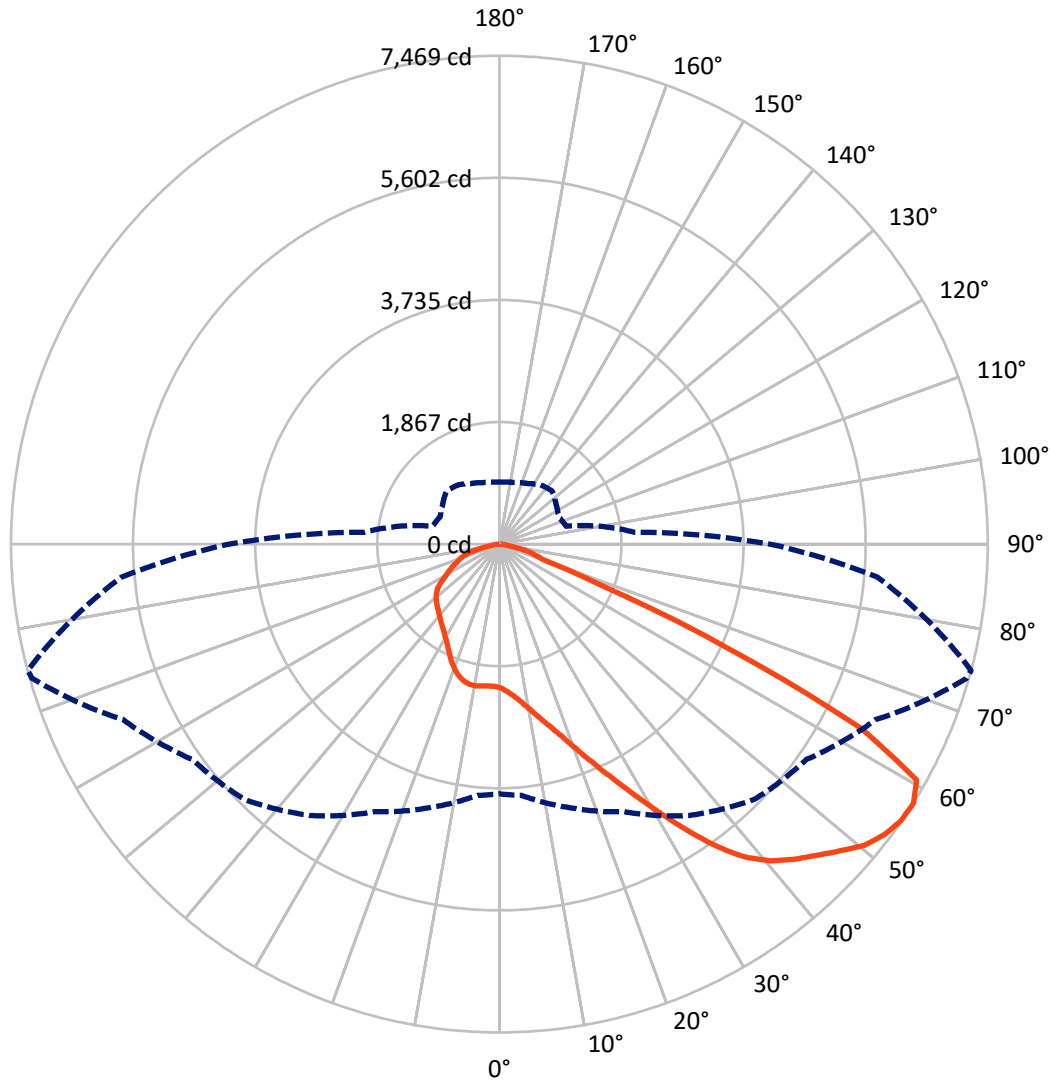
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 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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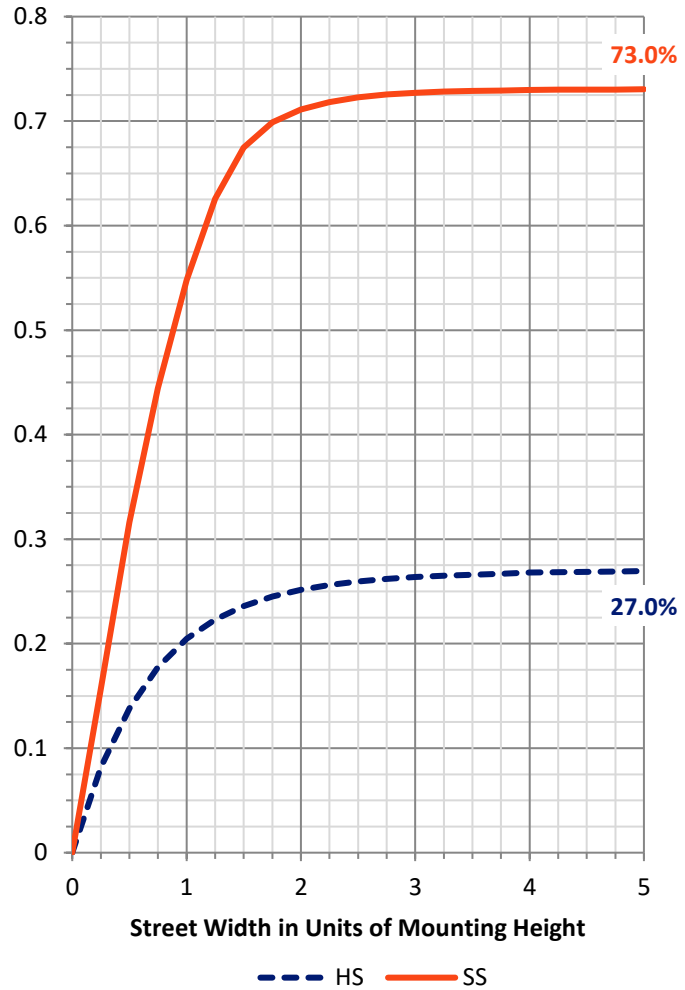
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3174.2	0.0	3174.2
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	8559.4	0.0	8559.4
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	11733.5	0.0	11733.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.9	1.9
10°-20°	700.1	6.0
20°-30°	1241.6	10.6
30°-40°	1900.7	16.2
40°-50°	2646.5	22.6
50°-60°	3032.4	25.8
60°-70°	1558.1	13.3
70°-80°	392.3	3.3
80°-90°	41.9	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°	11733.5	100.0
0°-180°	11733.5	100.0

**Coefficient of Utilization**



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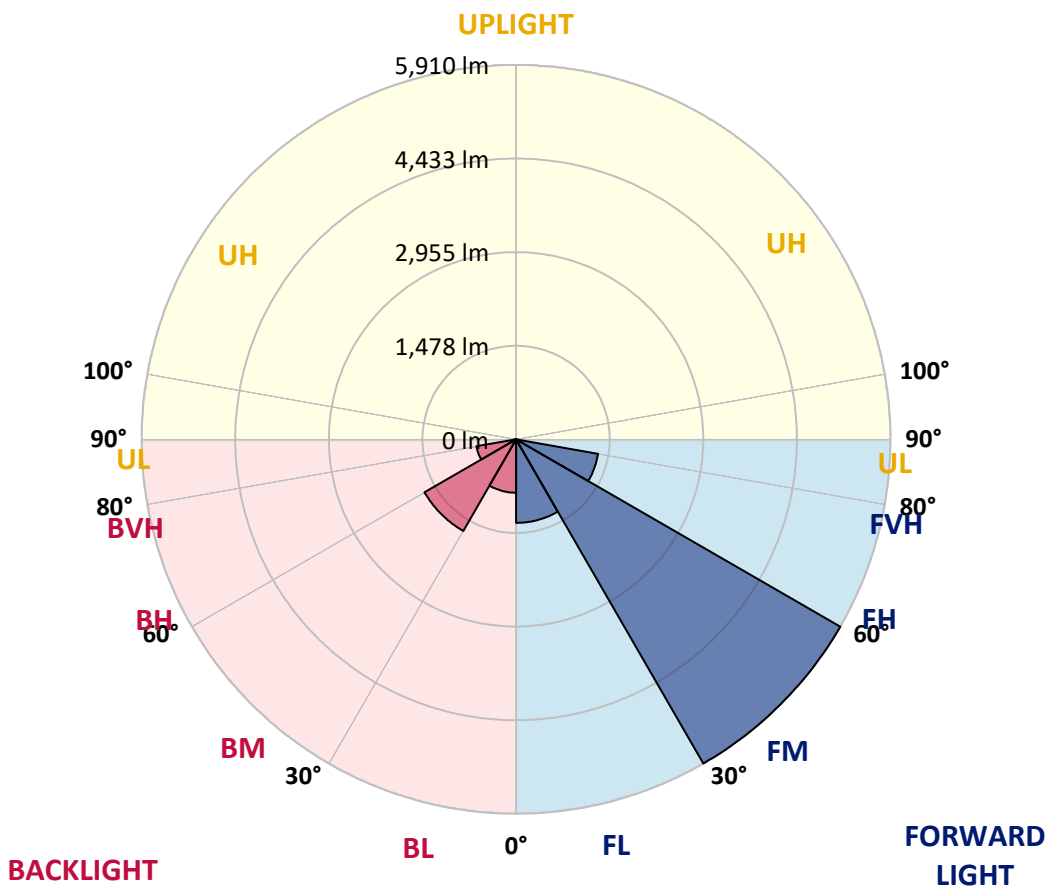
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.3	11.2			
FM (30°-60°)	5910.3	50.4			
FH (60°-80°)	1315.2	11.2			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	843.3	7.2	B2/1000		
BM (30°-60°)	1669.3	14.2	B2/2500		
BH (60°-80°)	635.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	26.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4
2.5°	2360.8	2366.9	2360.8	2370.9	2350.8	2341.7	2319.5	2286.2	2260.0	2255.9	2226.7
5°	2544.5	2557.6	2549.5	2545.5	2518.2	2498.1	2464.8	2398.2	2343.7	2335.6	2278.1
7.5°	2662.5	2671.6	2671.6	2674.6	2664.5	2641.3	2606.0	2527.3	2450.6	2438.5	2351.8
10°	2701.9	2708.9	2722.0	2747.3	2767.4	2774.5	2751.3	2675.6	2581.8	2569.7	2448.6
12.5°	2710.9	2719.0	2739.2	2785.6	2841.1	2891.5	2895.6	2840.1	2735.2	2722.0	2560.6
15°	2728.1	2736.2	2763.4	2820.9	2902.6	2999.5	3059.0	3020.7	2904.6	2890.5	2687.7
17.5°	2726.1	2735.2	2775.5	2852.2	2962.2	3102.4	3217.4	3233.6	3113.5	3089.3	2832.0
20°	2721.0	2729.1	2772.5	2866.3	3002.5	3195.2	3403.0	3486.8	3357.6	3335.5	3000.5
22.5°	2761.4	2770.5	2803.8	2881.4	3023.7	3266.8	3574.6	3776.3	3647.2	3615.9	3194.2
25°	2852.2	2865.3	2885.5	2939.0	3062.0	3330.4	3750.1	4104.2	3972.1	3934.7	3405.1
27.5°	2992.4	3008.6	3036.8	3062.0	3147.8	3411.1	3924.7	4471.5	4339.3	4300.0	3628.0
30°	3163.9	3185.1	3221.4	3238.6	3297.1	3530.2	4114.3	4849.8	4773.1	4718.7	3879.3
32.5°	3401.0	3430.3	3464.6	3469.6	3504.9	3710.8	4302.0	5225.1	5224.1	5185.8	4164.8
35°	3709.8	3741.0	3748.1	3755.2	3772.3	3959.0	4529.0	5567.2	5699.3	5654.9	4475.5
37.5°	4046.7	4092.1	4103.2	4072.0	4096.2	4257.6	4784.2	5841.6	6113.0	6065.6	4776.2
40°	4406.9	4425.1	4455.3	4405.9	4436.2	4599.6	5034.5	6017.1	6421.7	6371.3	5013.3
42.5°	4665.2	4698.5	4743.9	4725.7	4742.9	4892.2	5210.0	6101.9	6641.6	6591.2	5183.8
45°	4945.7	4955.8	4985.0	4981.0	4991.1	5130.3	5336.1	6139.2	6838.4	6793.0	5329.1
47.5°	5189.8	5205.0	5224.1	5201.9	5179.7	5270.5	5439.0	6171.5	7065.4	7010.9	5481.4
50°	5424.9	5438.0	5461.2	5396.7	5313.9	5337.1	5489.5	6215.9	7278.3	7239.9	5601.5
52.5°	5468.3	5482.4	5591.4	5604.5	5498.6	5416.8	5578.3	6313.7	7403.4	7379.2	5644.8
55°	4922.5	4947.7	5164.6	5413.8	5675.1	5648.9	5720.5	6365.2	7452.8	7458.9	5722.5
57.5°	3820.7	3857.1	4173.9	4515.9	5065.7	5520.7	5738.7	6352.1	7435.7	7469.0	5802.2
60°	2506.1	2527.3	2902.6	3286.0	3856.0	4485.6	5136.4	6116.0	7283.3	7330.7	5782.1
62.5°	1513.4	1537.6	1839.2	2129.8	2465.8	2886.5	3483.8	4915.4	6104.9	6210.8	4630.9
65°	1056.3	1088.6	1352.9	1592.1	1708.1	1621.3	1764.6	2745.2	3803.6	3848.0	2830.0
67.5°	765.8	788.0	1004.9	1289.4	1417.5	1145.1	872.7	1215.7	1656.6	1672.8	1167.3
70°	501.4	526.7	723.4	981.7	1157.2	928.2	652.8	657.8	697.2	705.2	678.0
72.5°	275.4	290.6	446.9	651.8	684.0	554.9	509.5	546.8	574.1	574.1	581.1
75°	142.3	155.4	182.6	214.9	259.3	303.7	367.2	422.7	452.0	454.0	451.0
77.5°	72.6	77.7	97.9	105.9	116.0	135.2	175.6	225.0	251.2	261.3	259.3
80°	34.3	36.3	41.4	48.4	59.5	75.7	94.8	113.0	129.1	131.2	142.3
82.5°	18.2	20.2	22.2	26.2	32.3	40.4	55.5	66.6	76.7	78.7	87.8
85°	7.1	8.1	9.1	10.1	14.1	17.2	23.2	31.3	38.3	38.3	45.4
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.0	5.0	7.1	7.1	12.1
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°	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4
2.5°	2219.6	2190.3	2177.2	2156.0	2138.9	2119.7	2104.6	2093.5	2086.4	2082.4	2078.4
5°	2255.9	2211.5	2176.2	2133.8	2104.6	2076.3	2053.1	2037.0	2028.9	2022.9	2018.8
7.5°	2312.4	2252.9	2186.3	2120.7	2069.3	2023.9	1994.6	1977.5	1966.4	1962.3	1959.3
10°	2390.1	2307.4	2197.4	2093.5	2016.8	1967.4	1947.2	1939.1	1940.1	1938.1	1937.1
12.5°	2477.9	2364.9	2194.4	2045.1	1960.3	1931.1	1932.1	1945.2	1960.3	1964.3	1965.4
15°	2572.7	2421.4	2165.1	1982.5	1915.9	1918.9	1945.2	1976.5	2004.7	2015.8	2017.8
17.5°	2675.6	2468.8	2111.6	1913.9	1879.6	1911.9	1960.3	2011.8	2053.1	2071.3	2076.3
20°	2790.6	2509.2	2036.0	1846.3	1845.3	1898.8	1969.4	2037.0	2089.4	2113.7	2117.7
22.5°	2912.7	2534.4	1943.2	1783.8	1810.0	1881.6	1962.3	2033.0	2088.4	2112.7	2117.7
25°	3035.8	2542.4	1841.3	1726.2	1773.7	1854.4	1928.0	1984.5	2037.0	2058.2	2062.2
27.5°	3150.8	2519.2	1744.4	1676.8	1740.4	1814.0	1863.5	1893.7	1930.0	1946.2	1949.2
30°	3267.9	2472.8	1662.7	1637.5	1703.0	1758.5	1780.7	1782.7	1796.9	1796.9	1798.9
32.5°	3385.9	2404.2	1591.0	1599.1	1656.6	1692.9	1696.0	1672.8	1655.6	1627.4	1626.4
35°	3522.1	2334.6	1532.5	1555.7	1602.1	1624.3	1615.3	1570.9	1529.5	1483.1	1481.1
37.5°	3648.2	2263.0	1483.1	1511.3	1540.6	1556.7	1535.6	1482.1	1447.8	1400.4	1393.3
40°	3752.1	2198.4	1435.7	1464.9	1479.1	1493.2	1458.9	1415.5	1420.5	1394.3	1393.3
42.5°	3812.7	2135.9	1391.3	1413.5	1422.6	1432.7	1402.4	1370.1	1397.3	1377.2	1378.2
45°	3857.1	2081.4	1350.9	1359.0	1381.2	1396.3	1368.1	1331.8	1337.8	1260.1	1242.0
47.5°	3907.5	2051.1	1312.6	1304.5	1343.9	1370.1	1326.7	1274.3	1237.9	1161.3	1154.2
50°	3961.0	2040.0	1272.2	1250.0	1297.5	1322.7	1272.2	1206.7	1159.2	1117.9	1113.8
52.5°	3979.1	2039.0	1221.8	1184.5	1231.9	1267.2	1224.8	1158.2	1101.7	1061.4	1059.4
55°	4050.8	2068.3	1157.2	1094.7	1139.1	1211.7	1180.4	1084.6	1039.2	1021.0	1019.0
57.5°	4134.5	2073.3	1055.3	996.8	1058.3	1144.1	1104.8	1022.0	972.6	950.4	948.4
60°	4100.2	1949.2	946.4	922.1	989.7	1080.5	1044.2	972.6	915.1	893.9	891.9
62.5°	3124.6	1376.2	866.7	857.6	916.1	988.7	981.7	907.0	852.5	837.4	835.4
65°	1879.6	966.5	790.0	789.0	830.3	899.9	909.0	848.5	791.0	769.8	769.8
67.5°	929.2	739.5	703.2	698.2	724.4	773.8	812.2	762.7	714.3	694.1	691.1
70°	656.8	651.8	639.6	625.5	630.6	650.7	666.9	625.5	574.1	553.9	549.9
72.5°	568.0	569.0	561.0	549.9	545.8	531.7	517.6	487.3	456.0	434.8	436.9
75°	440.9	442.9	448.0	443.9	432.8	417.7	402.6	364.2	339.0	318.8	314.8
77.5°	257.3	267.4	283.5	279.5	281.5	260.3	254.2	216.9	193.7	179.6	176.6
80°	145.3	151.3	158.4	163.4	157.4	148.3	135.2	115.0	108.0	97.9	95.8
82.5°	87.8	93.8	96.9	100.9	98.9	86.8	76.7	63.6	57.5	52.5	51.5
85°	44.4	48.4	51.5	53.5	47.4	39.3	35.3	28.2	24.2	21.2	21.2
87.5°	11.1	12.1	14.1	12.1	11.1	5.0	4.0	1.0	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)