

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: P635848

Luminaire Tested: GWS-SA3E-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635848
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-SA3E-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13362.3 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

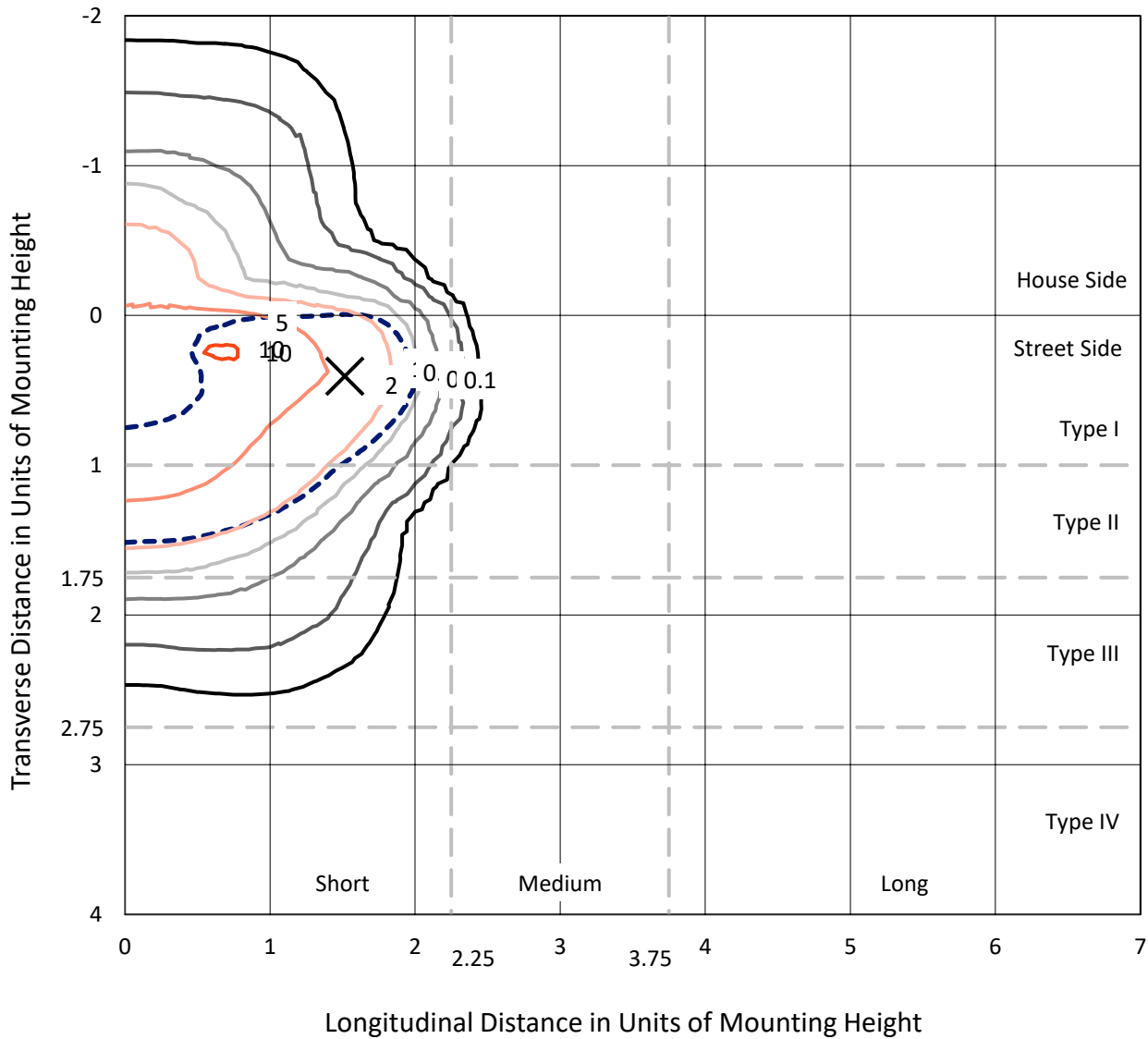
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

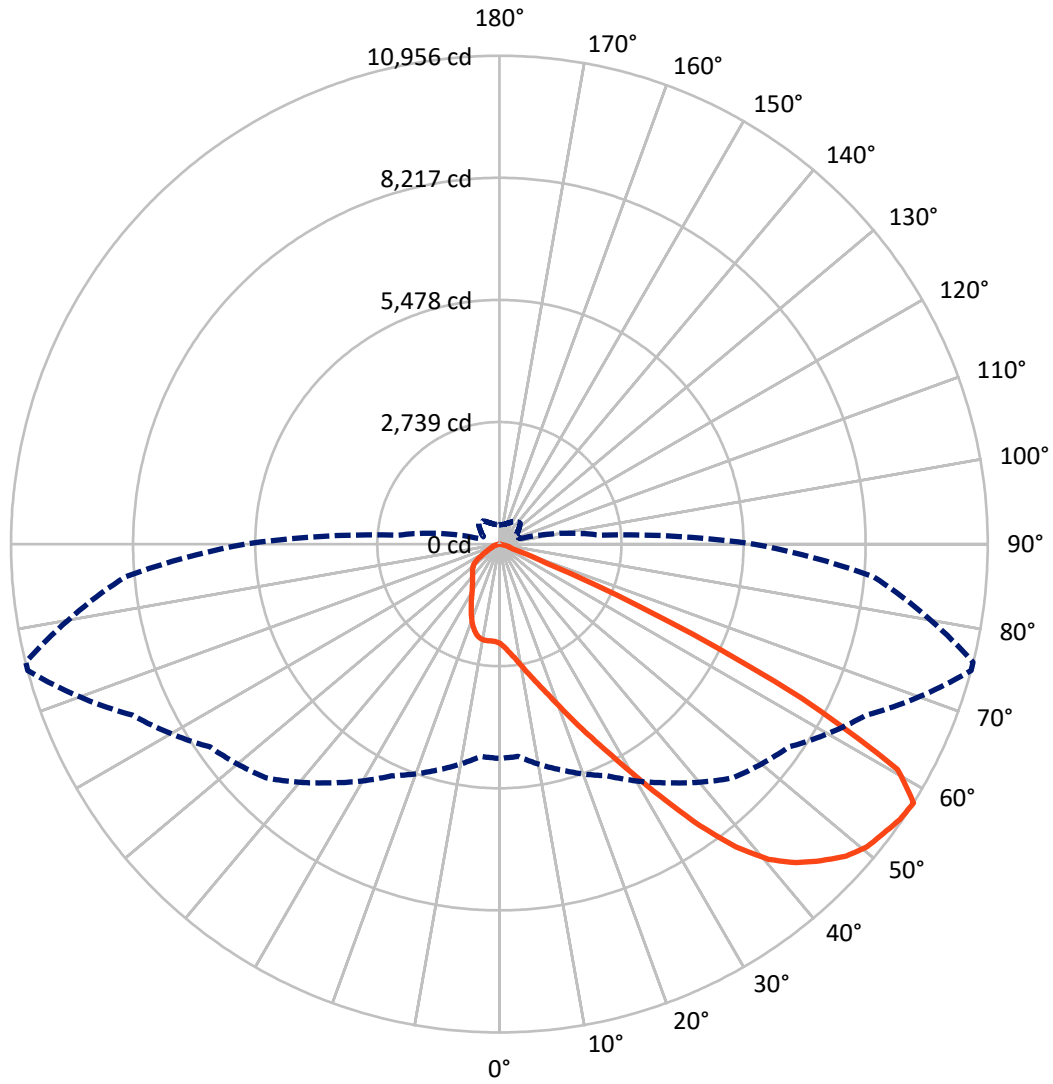
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 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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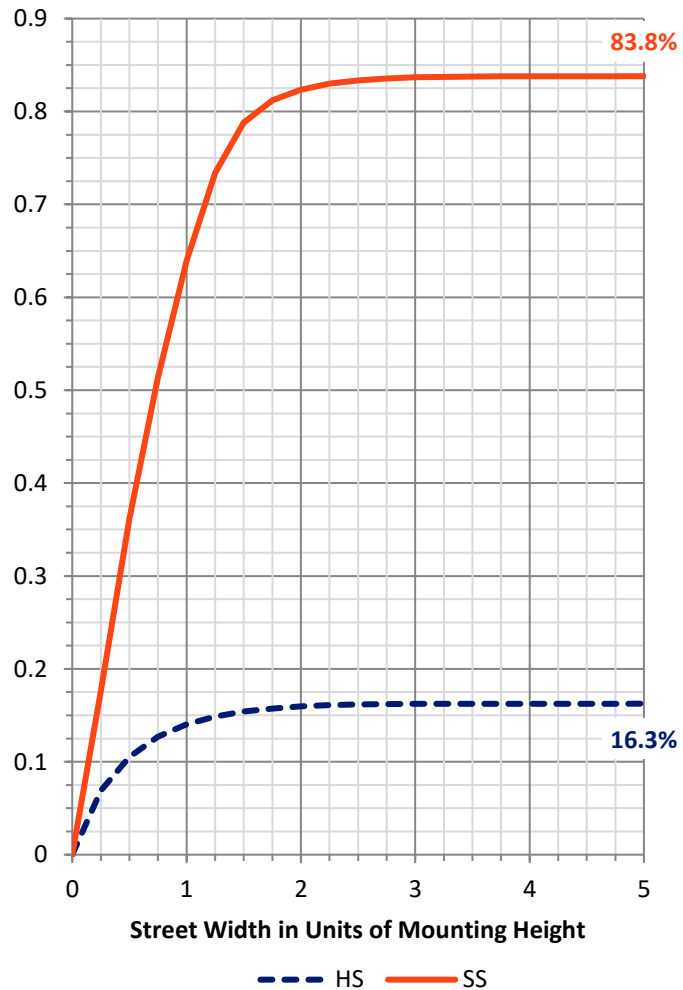
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2182.7	0.0	2182.7
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	11179.6	0.0	11179.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	13362.3	0.0	13362.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	1.7
10°-20°	736.7	5.5
20°-30°	1349.1	10.1
30°-40°	2238.2	16.8
40°-50°	3418.3	25.6
50°-60°	3841.0	28.7
60°-70°	1416.7	10.6
70°-80°	135.4	1.0
80°-90°	0.1	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°	13362.3	100.0
0°-180°	13362.3	100.0

Coefficient of Utilization



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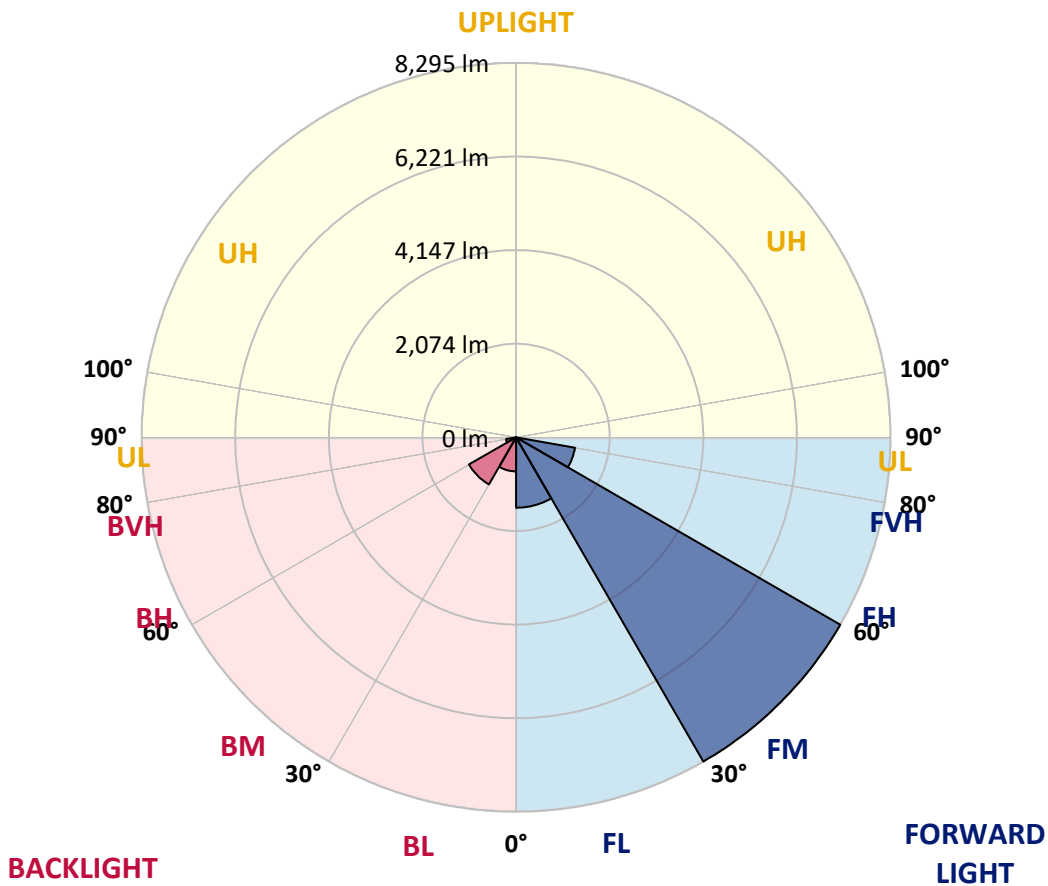
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1559.4	11.7			
FM (30°-60°)	8294.7	62.1			
FH (60°-80°)	1325.5	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	753.2	5.6	B2/1000		
BM (30°-60°)	1202.8	9.0	B2/2500		
BH (60°-80°)	226.7	1.7	B1/500		G1/500
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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6
2.5°	2489.9	2515.7	2507.6	2491.5	2481.8	2448.0	2427.0	2365.7	2322.2	2317.3	2277.0
5°	2804.4	2799.5	2793.1	2773.7	2757.6	2704.4	2641.5	2538.3	2446.3	2435.1	2349.6
7.5°	2976.9	2980.1	2983.4	2980.1	2968.8	2928.5	2859.2	2738.2	2597.9	2588.3	2452.8
10°	3047.9	3054.3	3070.4	3101.1	3128.5	3125.3	3084.9	2960.8	2788.2	2772.1	2589.9
12.5°	3081.7	3089.8	3115.6	3173.6	3247.8	3305.9	3312.3	3201.1	3010.8	2985.0	2752.7
15°	3128.5	3136.6	3168.8	3244.6	3352.6	3467.1	3541.3	3470.4	3257.5	3230.1	2931.7
17.5°	3149.5	3160.7	3207.5	3307.5	3447.8	3623.6	3791.3	3784.8	3549.4	3528.4	3139.8
20°	3189.8	3197.8	3239.8	3347.8	3517.1	3770.3	4052.5	4154.1	3905.8	3875.1	3391.3
22.5°	3317.2	3320.4	3339.7	3407.5	3565.5	3876.7	4318.6	4584.7	4326.7	4286.4	3673.6
25°	3525.2	3523.6	3531.6	3542.9	3659.0	3984.8	4575.0	5070.1	4808.8	4765.3	3992.9
27.5°	3789.7	3789.7	3809.0	3776.8	3823.5	4118.6	4828.2	5628.1	5370.0	5308.8	4342.8
30°	4100.9	4099.3	4144.4	4092.8	4107.4	4329.9	5100.7	6236.0	6047.3	5971.5	4746.0
32.5°	4523.4	4513.7	4565.3	4494.4	4446.0	4649.2	5432.9	6871.4	6858.5	6742.4	5252.3
35°	5057.2	5041.1	5057.2	4987.8	4900.8	5095.9	5868.3	7505.1	7758.3	7635.8	5855.4
37.5°	5587.7	5639.3	5657.1	5537.7	5466.8	5661.9	6392.4	8072.8	8617.9	8490.5	6482.7
40°	6213.4	6197.3	6258.6	6124.7	6079.6	6295.7	6905.3	8495.3	9298.4	9177.4	7040.7
42.5°	6674.6	6703.7	6779.5	6705.3	6669.8	6873.0	7335.8	8742.0	9770.9	9651.6	7439.0
45°	7227.8	7248.7	7277.8	7216.5	7179.4	7379.4	7647.1	8850.1	10130.5	10001.5	7706.7
47.5°	7826.1	7842.2	7842.2	7716.4	7597.1	7679.3	7855.1	8911.4	10461.1	10336.9	7905.1
50°	8255.0	8263.1	8334.0	8245.3	7985.7	7858.3	7950.2	8971.0	10680.4	10564.3	7969.6
52.5°	7874.4	7864.8	8098.6	8282.4	8351.8	8098.6	8114.7	9058.1	10786.8	10686.9	8021.2
55°	6631.1	6615.0	6944.0	7390.7	8001.8	8326.0	8313.1	9109.7	10904.6	10843.3	8208.3
57.5°	4807.2	4779.8	5237.8	5734.5	6536.0	7414.8	7930.9	9080.7	10956.2	10951.3	8426.0
60°	2889.8	2867.2	3299.4	3821.9	4441.2	5324.9	6181.2	8134.1	10266.0	10275.6	7859.9
62.5°	1778.7	1799.7	2189.9	2456.0	2686.6	2952.7	3447.8	5471.6	7605.1	7668.0	5523.2
65°	1196.6	1212.7	1573.9	1909.3	1909.3	1561.0	1340.1	2615.7	4057.4	3950.9	2612.4
67.5°	803.1	820.8	1106.3	1498.1	1554.6	1088.5	543.5	780.5	1130.4	1096.6	646.7
70°	472.5	491.9	737.0	1027.2	1132.1	757.9	362.8	330.6	320.9	311.2	251.6
72.5°	211.3	219.3	375.7	522.5	477.3	319.3	256.4	264.5	250.0	245.1	204.8
75°	64.5	67.7	96.8	112.9	114.5	114.5	154.8	208.0	196.7	198.4	158.0
77.5°	16.1	16.1	25.8	24.2	12.9	11.3	29.0	46.8	48.4	43.5	32.3
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
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°	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6
2.5°	2259.3	2217.4	2189.9	2151.2	2123.8	2094.8	2069.0	2048.0	2036.7	2033.5	2035.1
5°	2310.9	2244.8	2180.3	2106.1	2054.5	2006.1	1967.4	1936.8	1922.2	1917.4	1917.4
7.5°	2389.9	2298.0	2183.5	2067.4	1980.3	1904.5	1859.4	1825.5	1812.6	1809.4	1799.7
10°	2493.1	2367.3	2178.7	1998.0	1875.5	1796.5	1764.2	1754.5	1759.4	1761.0	1759.4
12.5°	2617.3	2439.9	2148.0	1896.4	1764.2	1715.8	1719.1	1744.9	1773.9	1788.4	1791.6
15°	2749.5	2506.0	2078.7	1775.5	1669.1	1667.5	1714.2	1773.9	1830.3	1854.5	1861.0
17.5°	2897.9	2559.2	1972.2	1646.5	1586.8	1633.6	1717.4	1809.4	1885.2	1925.5	1933.5
20°	3060.8	2602.8	1836.8	1525.5	1514.3	1598.1	1714.2	1827.1	1920.6	1965.8	1973.9
22.5°	3230.1	2633.4	1680.4	1414.3	1448.1	1557.8	1683.6	1793.2	1881.9	1933.5	1940.0
25°	3423.6	2636.6	1520.7	1320.7	1386.9	1503.0	1609.4	1699.7	1773.9	1819.0	1823.9
27.5°	3592.9	2597.9	1378.8	1244.9	1330.4	1435.2	1506.2	1556.2	1607.8	1633.6	1635.2
30°	3788.1	2530.2	1244.9	1183.7	1272.4	1351.4	1386.9	1398.1	1403.0	1407.8	1401.4
32.5°	4020.3	2448.0	1145.0	1124.0	1206.2	1259.5	1269.1	1246.6	1219.1	1180.4	1170.8
35°	4305.7	2373.8	1062.7	1065.9	1133.7	1165.9	1157.9	1109.5	1056.3	1009.5	1001.4
37.5°	4615.3	2310.9	999.8	1009.5	1054.7	1077.2	1053.0	999.8	975.6	935.3	936.9
40°	4889.5	2259.3	943.4	953.1	974.0	995.0	956.3	920.8	966.0	962.7	966.0
42.5°	5084.6	2215.7	895.0	890.2	904.7	919.2	890.2	872.4	948.2	927.3	938.5
45°	5199.1	2175.4	854.7	825.7	848.2	874.0	854.7	832.1	857.9	761.2	753.1
47.5°	5276.5	2152.9	819.2	762.8	803.1	848.2	807.9	753.1	716.0	632.1	625.7
50°	5284.6	2141.6	777.3	698.3	749.9	798.2	751.5	675.7	622.5	585.4	580.5
52.5°	5326.5	2164.1	719.2	616.0	672.5	749.9	717.6	641.8	569.3	537.0	530.6
55°	5513.6	2259.3	622.5	503.1	585.4	712.8	690.2	572.5	503.1	483.8	478.9
57.5°	5707.1	2278.6	490.2	398.3	509.6	659.6	630.5	527.3	459.6	437.0	432.2
60°	5218.4	1877.1	367.7	329.0	449.9	609.6	583.8	499.9	420.9	393.5	388.6
62.5°	3428.4	1014.3	291.9	279.0	379.0	516.0	532.2	451.5	375.7	346.7	345.1
65°	1580.4	470.9	224.2	220.9	296.7	411.2	458.0	395.1	317.7	291.9	291.9
67.5°	430.6	233.8	175.8	162.9	201.6	275.8	333.8	295.1	225.8	195.1	193.5
70°	214.5	188.7	158.0	140.3	145.1	170.9	196.7	164.5	114.5	93.5	91.9
72.5°	175.8	154.8	133.8	119.3	109.7	104.8	101.6	82.2	53.2	40.3	38.7
75°	130.6	111.3	95.1	77.4	66.1	61.3	54.8	40.3	22.6	12.9	11.3
77.5°	29.0	27.4	25.8	19.4	17.7	14.5	11.3	8.1	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	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)