

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: P642613

Luminaire Tested: GWS-SA6D-730-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642613
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-SA6D-730-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19376.1 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

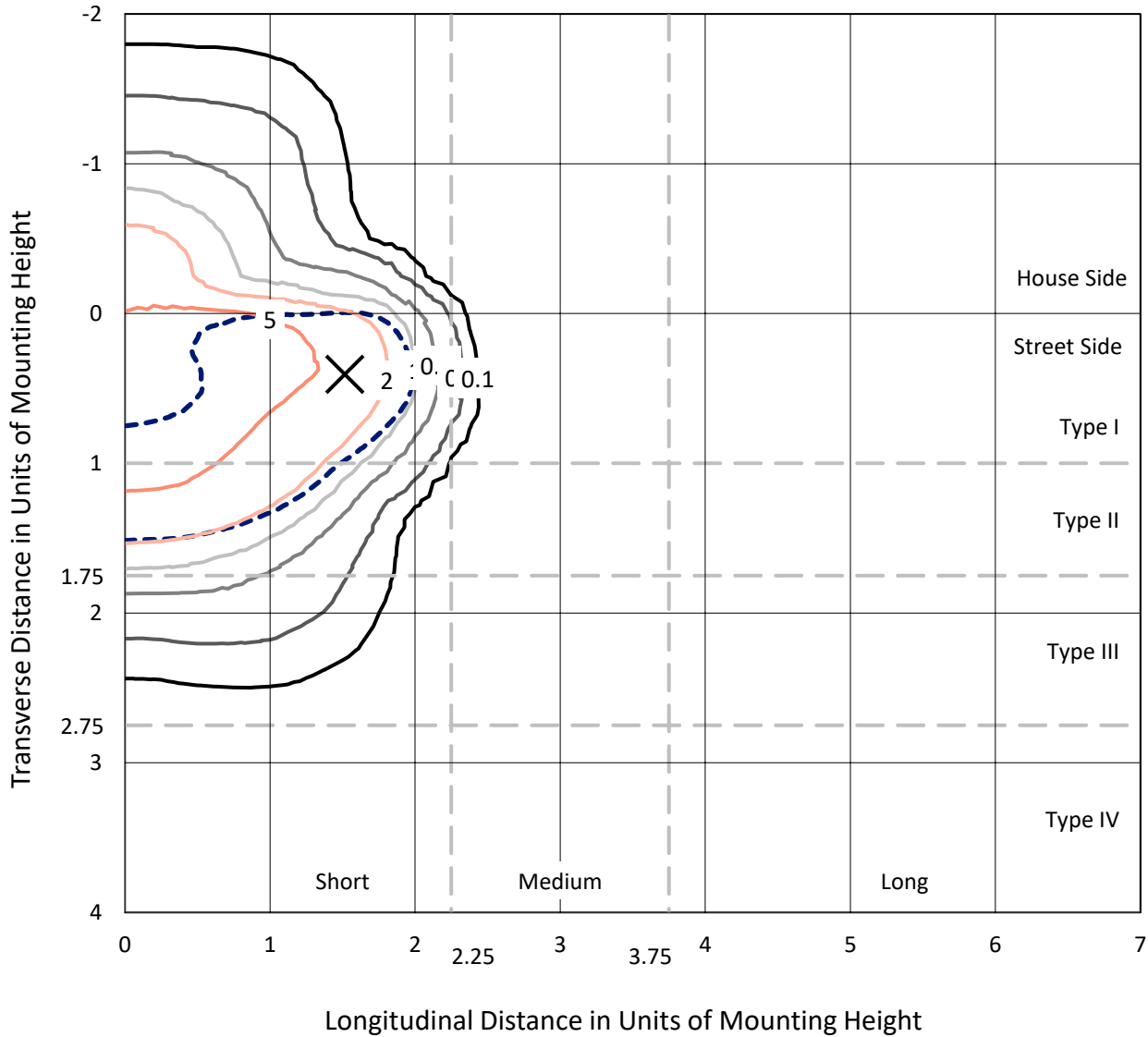
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

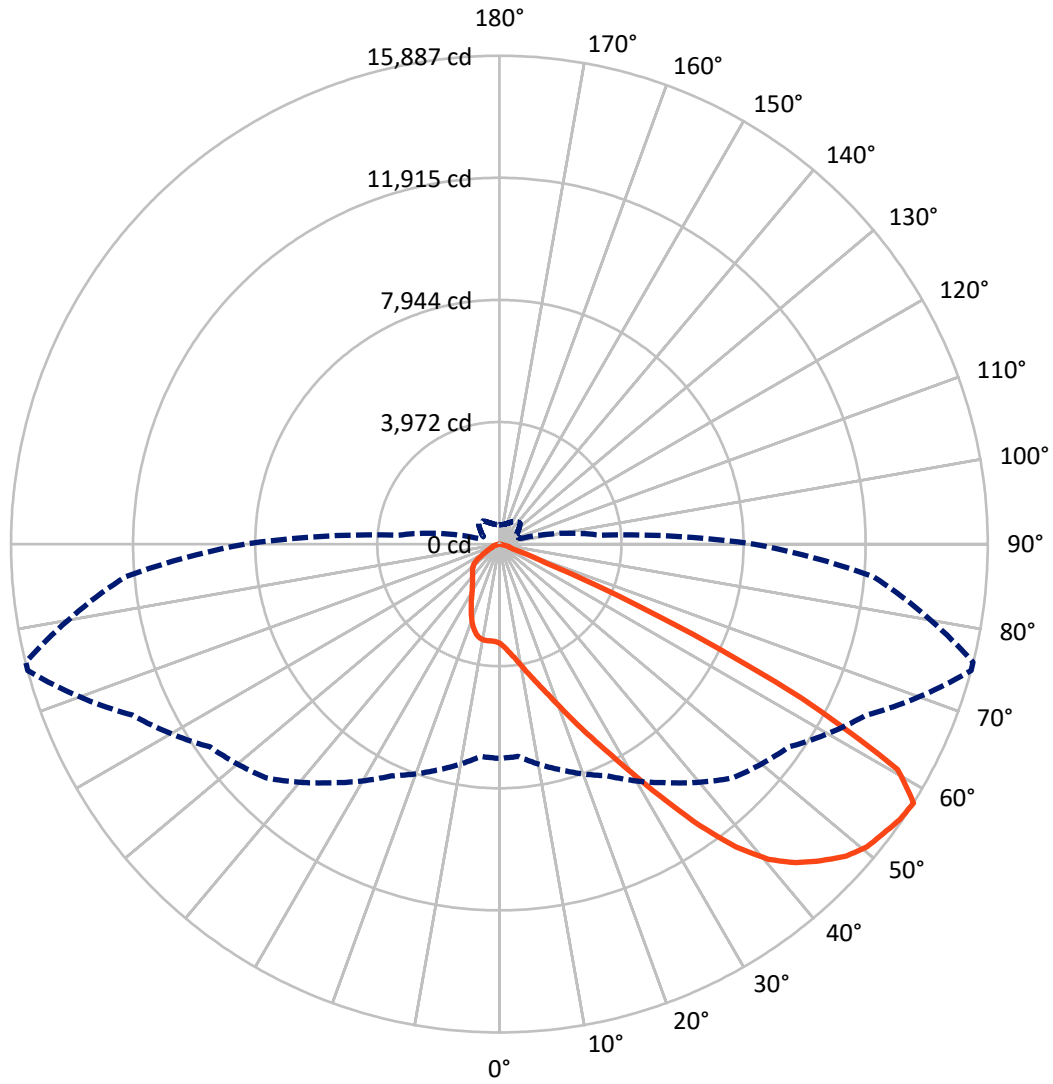
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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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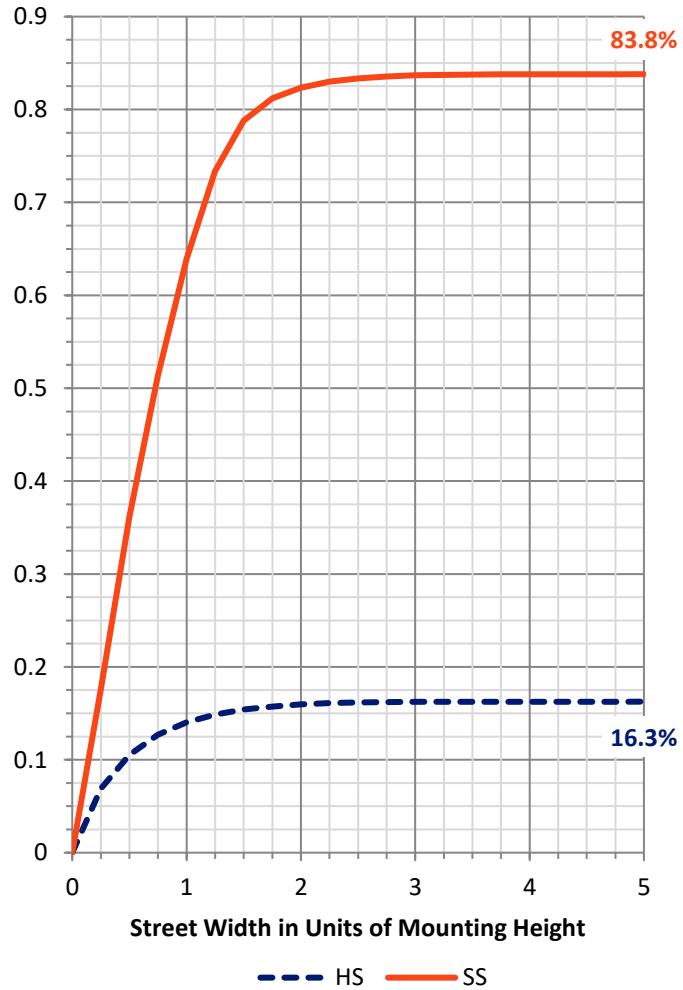
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3165.0	0.0	3165.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	16211.1	0.0	16211.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	19376.1	0.0	19376.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.8	1.7
10°-20°	1068.2	5.5
20°-30°	1956.2	10.1
30°-40°	3245.5	16.8
40°-50°	4956.7	25.6
50°-60°	5569.7	28.7
60°-70°	2054.4	10.6
70°-80°	196.4	1.0
80°-90°	0.2	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°	19376.1	100.0
0°-180°	19376.1	100.0

Coefficient of Utilization

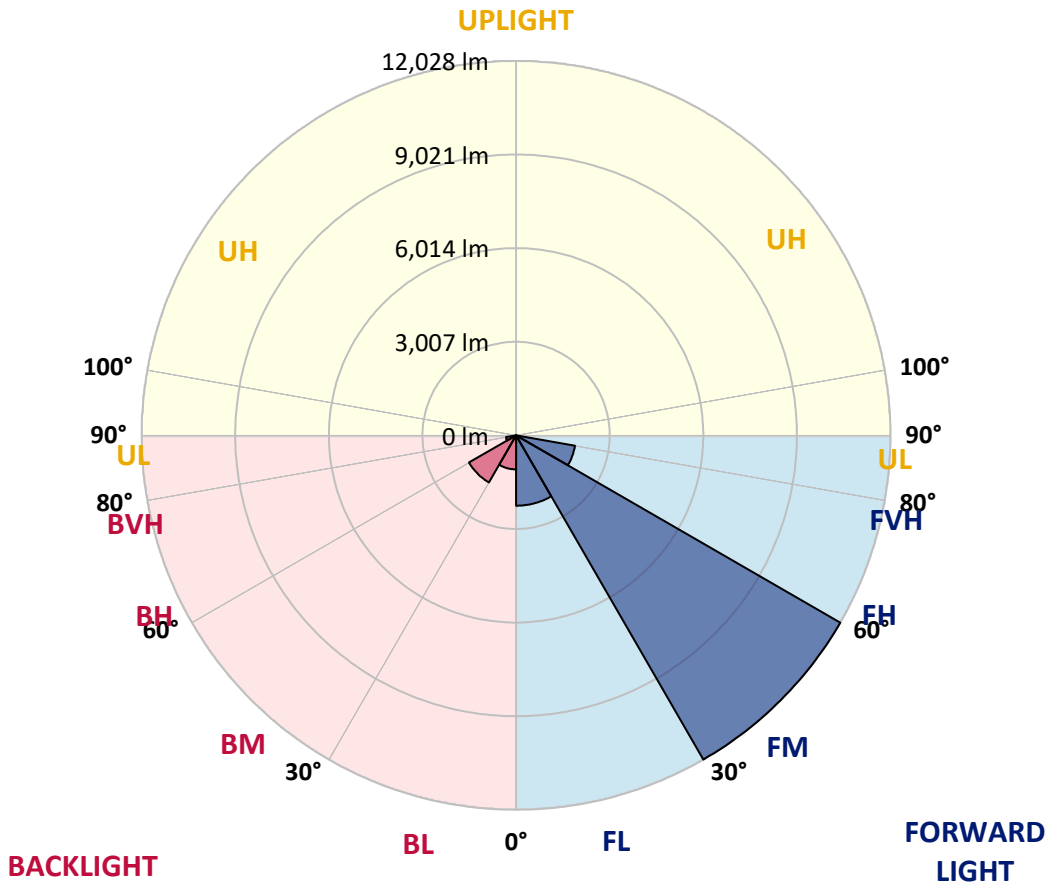


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2261.2	11.7			
FM (30°-60°)	12027.8	62.1			
FH (60°-80°)	1922.0	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1092.1	5.6	B3/2500		
BM (30°-60°)	1744.2	9.0	B2/2500		
BH (60°-80°)	328.7	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7
2.5°	3610.5	3647.9	3636.2	3612.8	3598.8	3549.7	3519.3	3430.4	3367.3	3360.3	3301.8
5°	4066.5	4059.5	4050.1	4022.0	3998.7	3921.5	3830.3	3680.6	3547.3	3531.0	3407.0
7.5°	4316.7	4321.4	4326.0	4321.4	4305.0	4246.5	4146.0	3970.6	3767.2	3753.1	3556.7
10°	4419.6	4428.9	4452.3	4496.7	4536.5	4531.8	4473.4	4293.3	4043.1	4019.7	3755.5
12.5°	4468.7	4480.4	4517.8	4602.0	4709.5	4793.7	4803.1	4641.7	4365.8	4328.4	3991.6
15°	4536.5	4548.2	4594.9	4704.9	4861.5	5027.6	5135.1	5032.2	4723.6	4683.8	4251.2
17.5°	4566.9	4583.3	4651.1	4796.1	4999.5	5254.4	5497.6	5488.2	5146.8	5116.4	4552.9
20°	4625.3	4637.0	4697.8	4854.5	5100.0	5467.2	5876.4	6023.7	5663.6	5619.2	4917.6
22.5°	4810.1	4814.8	4842.8	4941.0	5170.2	5621.5	6262.2	6648.1	6273.9	6215.5	5326.9
25°	5111.7	5109.4	5121.1	5137.5	5305.8	5778.2	6634.0	7351.9	6973.1	6910.0	5789.9
27.5°	5495.2	5495.2	5523.3	5476.5	5544.3	5972.3	7001.2	8161.0	7786.9	7698.0	6297.3
30°	5946.5	5944.2	6009.7	5934.8	5955.9	6278.6	7396.3	9042.6	8769.0	8659.1	6881.9
32.5°	6559.2	6545.2	6620.0	6517.1	6447.0	6741.6	7878.1	9963.9	9945.2	9776.8	7616.2
35°	7333.2	7309.8	7333.2	7232.7	7106.4	7389.3	8509.4	10882.9	11250.0	11072.3	8490.7
37.5°	8102.5	8177.4	8203.1	8030.1	7927.2	8210.1	9269.4	11706.0	12496.4	12311.7	9400.4
40°	9009.8	8986.5	9075.3	8881.2	8815.8	9129.1	10013.0	12318.7	13483.2	13307.8	10209.4
42.5°	9678.6	9720.7	9830.6	9723.1	9671.6	9966.2	10637.4	12676.4	14168.3	13995.3	10787.0
45°	10480.7	10511.1	10553.2	10464.3	10410.5	10700.5	11088.7	12833.1	14689.8	14502.7	11175.2
47.5°	11348.2	11371.6	11371.6	11189.2	11016.2	11135.4	11390.3	12922.0	15169.2	14989.1	11462.8
50°	11970.3	11981.9	12084.8	11956.2	11579.7	11395.0	11528.3	13008.5	15487.2	15318.8	11556.4
52.5°	11418.4	11404.4	11743.4	12010.0	12110.6	11743.4	11766.8	13134.8	15641.5	15496.6	11631.2
55°	9615.5	9592.1	10069.1	10716.9	11603.1	12073.1	12054.4	13209.6	15812.2	15723.4	11902.4
57.5°	6970.8	6931.0	7595.1	8315.3	9477.5	10751.9	11500.2	13167.5	15887.1	15880.0	12218.1
60°	4190.4	4157.7	4784.4	5542.0	6439.9	7721.4	8963.1	11794.9	14886.2	14900.3	11397.3
62.5°	2579.3	2609.7	3175.5	3561.4	3895.8	4281.6	4999.5	7934.2	11027.9	11119.1	8009.0
65°	1735.1	1758.5	2282.3	2768.7	2768.7	2263.6	1943.2	3792.9	5883.4	5729.1	3788.2
67.5°	1164.5	1190.2	1604.1	2172.4	2254.2	1578.4	788.0	1131.8	1639.2	1590.1	937.7
70°	685.2	713.2	1068.6	1489.6	1641.6	1099.0	526.1	479.4	465.3	451.3	364.8
72.5°	306.3	318.0	544.8	757.6	692.2	463.0	371.8	383.5	362.5	355.4	297.0
75°	93.5	98.2	140.3	163.7	166.0	166.0	224.5	301.7	285.3	287.6	229.2
77.5°	23.4	23.4	37.4	35.1	18.7	16.4	42.1	67.8	70.2	63.1	46.8
80°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
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°	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7	3231.7
2.5°	3276.1	3215.3	3175.5	3119.4	3079.7	3037.6	3000.2	2969.8	2953.4	2948.7	2951.1
5°	3350.9	3255.0	3161.5	3053.9	2979.1	2909.0	2852.8	2808.4	2787.4	2780.4	2780.4
7.5°	3465.5	3332.2	3166.2	2997.8	2871.6	2761.6	2696.2	2647.1	2628.4	2623.7	2609.7
10°	3615.2	3432.8	3159.2	2897.3	2719.6	2605.0	2558.2	2544.2	2551.2	2553.5	2551.2
12.5°	3795.2	3538.0	3114.7	2750.0	2558.2	2488.1	2492.7	2530.1	2572.2	2593.3	2598.0
15°	3987.0	3633.9	3014.2	2574.6	2420.2	2417.9	2485.7	2572.2	2654.1	2689.2	2698.5
17.5°	4202.1	3711.0	2859.9	2387.5	2301.0	2368.8	2490.4	2623.7	2733.6	2792.0	2803.7
20°	4438.3	3774.2	2663.4	2212.1	2195.8	2317.4	2485.7	2649.4	2785.0	2850.5	2862.2
22.5°	4683.8	3818.6	2436.6	2050.8	2099.9	2258.9	2441.3	2600.3	2728.9	2803.7	2813.1
25°	4964.4	3823.3	2205.1	1915.1	2011.0	2179.4	2333.7	2464.7	2572.2	2637.7	2644.7
27.5°	5209.9	3767.2	1999.3	1805.2	1929.2	2081.2	2184.1	2256.6	2331.4	2368.8	2371.1
30°	5492.9	3668.9	1805.2	1716.4	1845.0	1959.6	2011.0	2027.4	2034.4	2041.4	2032.1
32.5°	5829.6	3549.7	1660.3	1629.9	1749.1	1826.3	1840.3	1807.6	1767.8	1711.7	1697.7
35°	6243.5	3442.1	1541.0	1545.7	1643.9	1690.7	1679.0	1608.8	1531.6	1463.8	1452.1
37.5°	6692.5	3350.9	1449.8	1463.8	1529.3	1562.0	1527.0	1449.8	1414.7	1356.3	1358.6
40°	7090.0	3276.1	1368.0	1382.0	1412.4	1442.8	1386.7	1335.2	1400.7	1396.0	1400.7
42.5°	7373.0	3213.0	1297.8	1290.8	1311.8	1332.9	1290.8	1265.1	1375.0	1344.6	1360.9
45°	7539.0	3154.5	1239.4	1197.3	1230.0	1267.4	1239.4	1206.6	1244.0	1103.7	1092.0
47.5°	7651.2	3121.8	1187.9	1106.1	1164.5	1230.0	1171.5	1092.0	1038.2	916.7	907.3
50°	7662.9	3105.4	1127.1	1012.5	1087.4	1157.5	1089.7	979.8	902.6	848.8	841.8
52.5°	7723.7	3138.1	1042.9	893.3	975.1	1087.4	1040.6	930.7	825.5	778.7	769.3
55°	7995.0	3276.1	902.6	729.6	848.8	1033.6	1000.8	830.1	729.6	701.5	694.5
57.5°	8275.6	3304.2	710.9	577.6	738.9	956.4	914.3	764.7	666.4	633.7	626.7
60°	7567.1	2721.9	533.2	477.0	652.4	883.9	846.5	724.9	610.3	570.6	563.6
62.5°	4971.4	1470.9	423.2	404.5	549.5	748.3	771.7	654.8	544.8	502.8	500.4
65°	2291.6	682.8	325.0	320.4	430.3	596.3	664.1	572.9	460.7	423.2	423.2
67.5°	624.4	339.1	254.9	236.2	292.3	399.9	484.0	427.9	327.4	282.9	280.6
70°	311.0	273.6	229.2	203.4	210.5	247.9	285.3	238.5	166.0	135.6	133.3
72.5°	254.9	224.5	194.1	173.0	159.0	152.0	147.3	119.3	77.2	58.5	56.1
75°	189.4	161.3	138.0	112.2	95.9	88.9	79.5	58.5	32.7	18.7	16.4
77.5°	42.1	39.8	37.4	28.1	25.7	21.0	16.4	11.7	4.7	0.0	0.0
80°	2.3	2.3	2.3	2.3	2.3	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)