

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: P642626

Luminaire Tested: GWS-SA6D-730-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28598.9 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

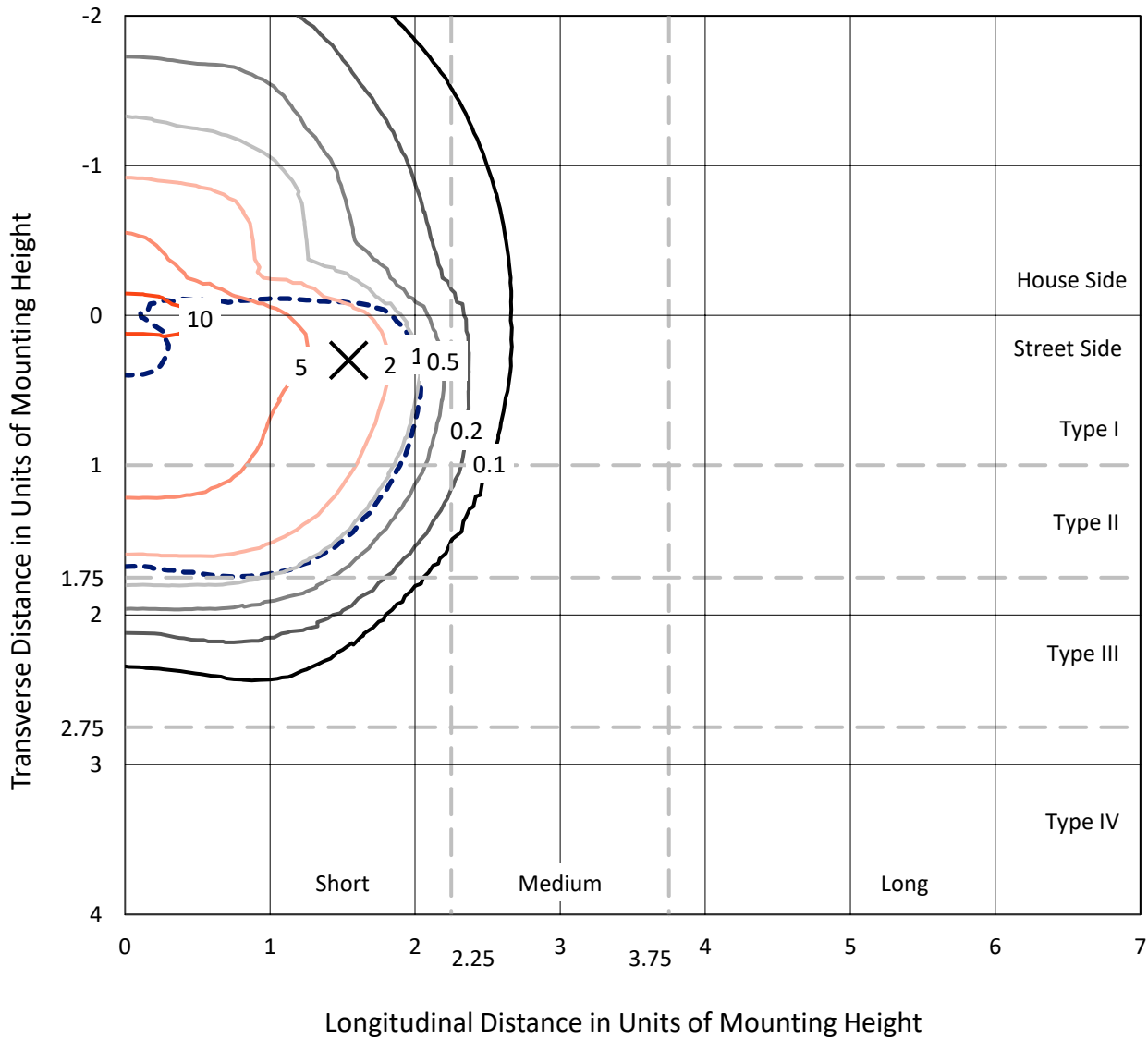
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

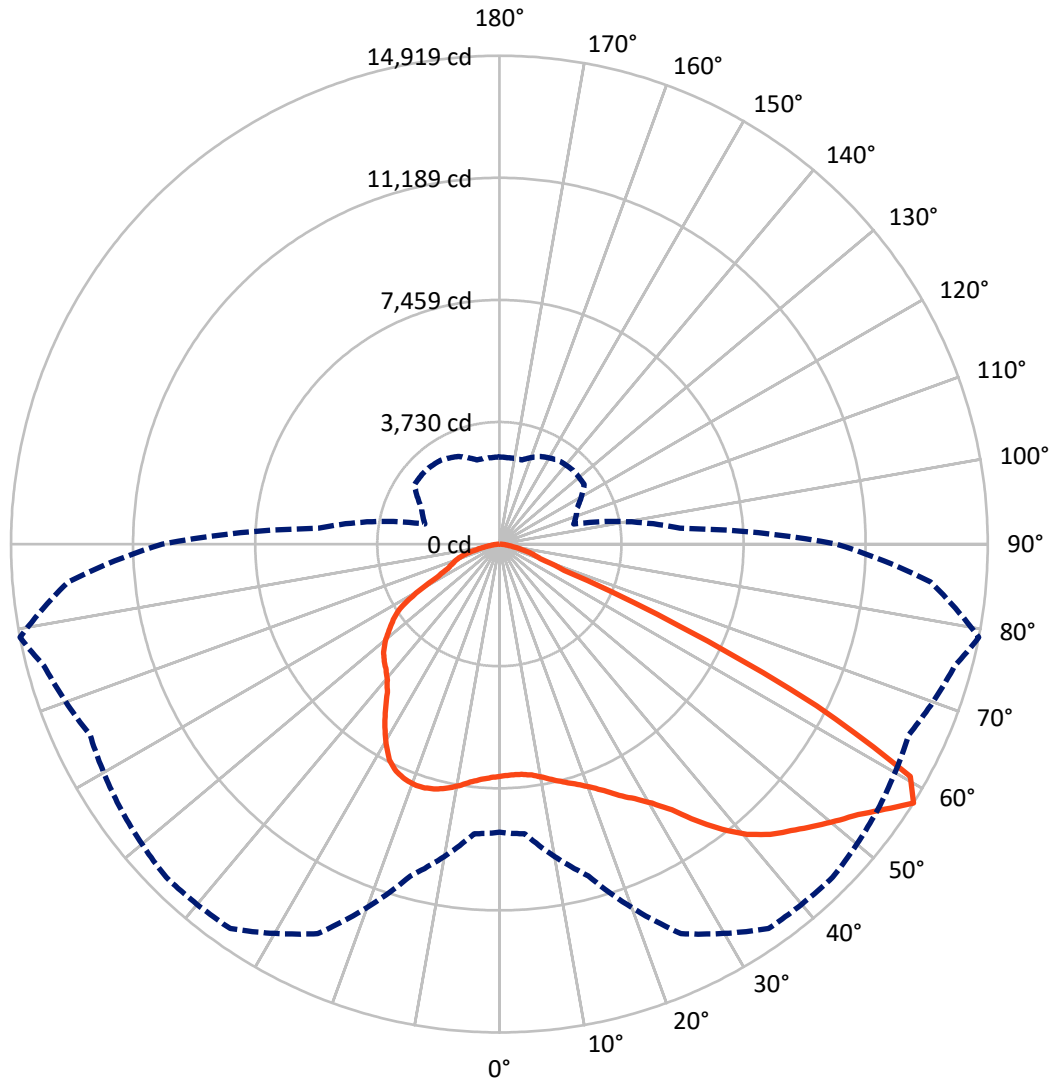
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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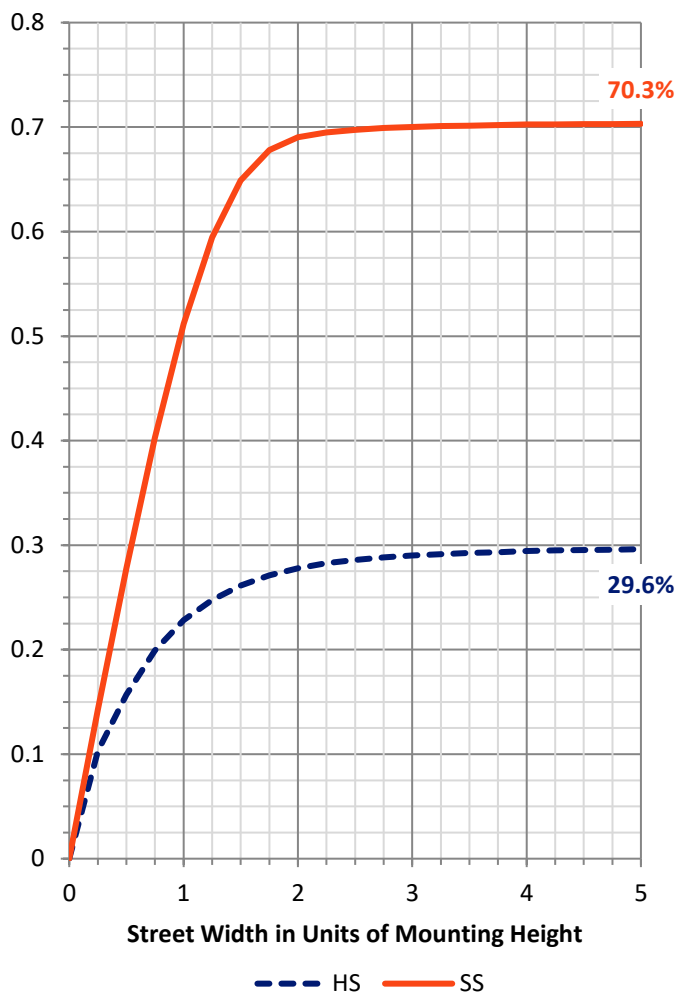
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8501.1	0.0	8501.1
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	20097.8	0.0	20097.8
	% Fixture	70.3	0.0	70.3
Total	Lumens	28598.9	0.0	28598.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.4	2.3
10°-20°	1824.0	6.4
20°-30°	3091.8	10.8
30°-40°	4732.4	16.5
40°-50°	6310.2	22.1
50°-60°	7287.8	25.5
60°-70°	3787.0	13.2
70°-80°	805.0	2.8
80°-90°	104.3	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°	28598.9	100.0
0°-180°	28598.9	100.0

Coefficient of Utilization



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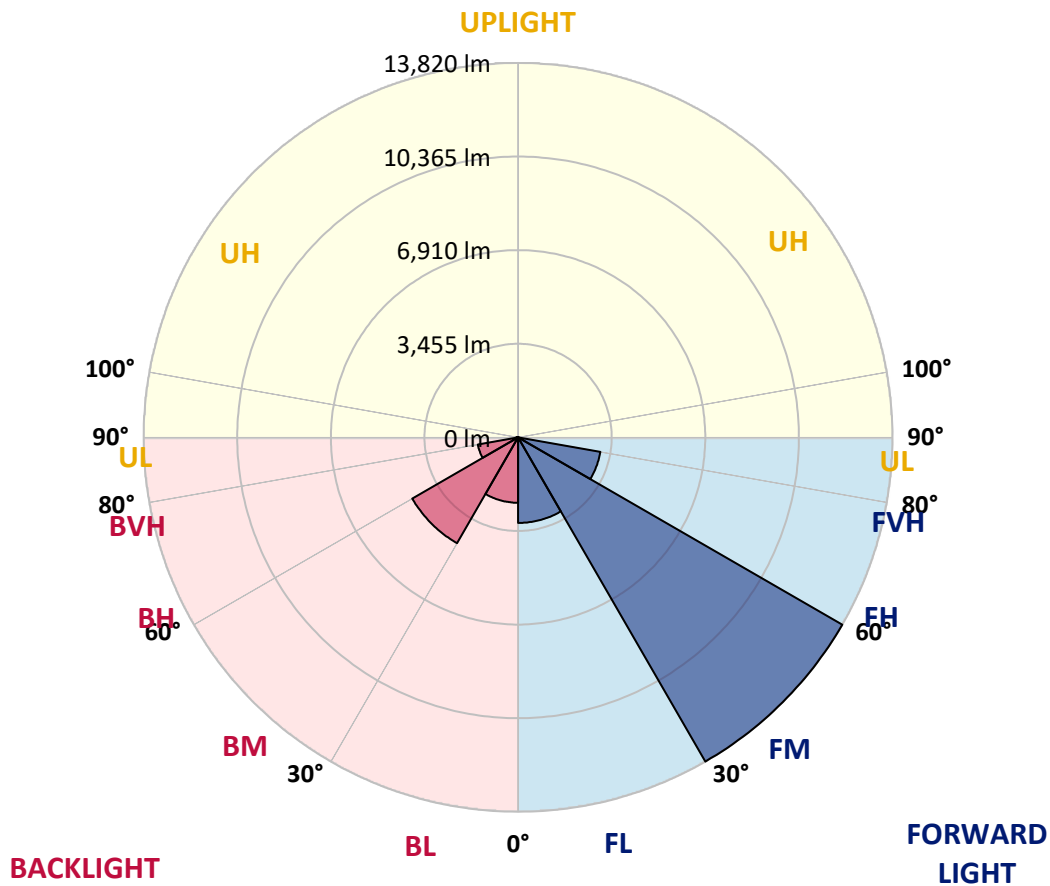
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3158.0	11.0			
FM (30°-60°)	13819.8	48.3			
FH (60°-80°)	3083.7	10.8			G2/5000
FVH (80°-90°)	36.3	0.1			G1/100
BL (0°-30°)	2414.2	8.4	B3/2500		
BM (30°-60°)	4510.6	15.8	B3/5000		
BH (60°-80°)	1508.3	5.3	B3/2500		G3/2500
BVH (80°-90°)	67.9	0.2			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°	55°	65°	75°	79°	85°
0°	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5
2.5°	6764.8	6750.7	6755.4	6774.1	6844.3	6895.7	6949.5	6998.6	7045.4	7059.4	7071.1
5°	6523.9	6498.2	6505.2	6535.6	6617.5	6704.0	6799.9	6916.8	7029.0	7066.4	7115.5
7.5°	6353.2	6348.6	6360.2	6407.0	6493.5	6575.4	6699.3	6865.3	7059.4	7122.5	7209.1
10°	6126.4	6117.1	6163.8	6259.7	6402.3	6533.3	6680.6	6877.0	7148.3	7241.8	7375.1
12.5°	5946.4	5941.7	5990.8	6124.1	6306.5	6514.6	6718.0	6937.8	7267.5	7396.1	7559.8
15°	6051.6	6030.5	6032.9	6126.4	6290.1	6535.6	6811.5	7047.7	7386.8	7550.5	7760.9
17.5°	6357.9	6320.5	6292.4	6308.8	6402.3	6657.2	6954.2	7195.0	7524.7	7716.5	7973.7
20°	6781.1	6760.1	6682.9	6631.5	6652.5	6877.0	7178.7	7403.1	7704.8	7919.9	8195.8
22.5°	7349.4	7297.9	7192.7	7110.9	7047.7	7223.1	7501.4	7695.4	7955.0	8179.5	8467.1
25°	8053.2	7978.4	7812.3	7683.7	7548.1	7728.2	7976.0	8123.3	8298.7	8506.8	8780.4
27.5°	8771.1	8707.9	8523.2	8350.2	8181.8	8294.0	8588.7	8672.9	8654.1	8806.1	9040.0
30°	9535.7	9456.2	9280.8	9093.8	8876.3	8948.8	9213.0	9255.1	9056.3	9182.6	9341.6
32.5°	10342.4	10265.3	10113.3	9895.8	9650.3	9678.3	9750.8	9790.6	9601.2	9673.7	9795.3
35°	11163.2	11090.7	10936.4	10721.2	10541.2	10370.5	10188.1	10347.1	10237.2	10377.5	10368.1
37.5°	11913.8	11841.3	11745.4	11579.4	11270.7	10934.0	10513.1	10709.5	10880.2	11057.9	11027.5
40°	12421.2	12372.1	12395.5	12369.7	11972.2	11305.8	10672.1	10887.2	11352.6	11656.6	11640.2
42.5°	12858.5	12809.4	12945.0	13043.2	12575.5	11649.5	10749.3	10955.1	11654.2	12128.9	12105.5
45°	13052.5	13038.5	13263.0	13574.0	13127.4	12014.3	10948.0	11095.4	11883.4	12491.3	12402.5
47.5°	12821.0	12870.2	13312.1	13838.2	13585.7	12446.9	11354.9	11392.3	12182.7	12884.2	12634.0
50°	12360.4	12468.0	13064.2	13845.2	13920.1	12935.6	11918.5	11824.9	12584.9	13302.7	12755.6
52.5°	11689.3	11801.5	12774.3	13791.5	14111.8	13501.5	12669.1	12535.8	13092.3	13721.3	12776.6
55°	10148.3	10300.3	12110.2	13669.9	14298.9	14015.9	13515.5	13244.3	13747.0	14296.5	12984.7
57.5°	8803.8	8883.3	10492.1	13129.7	14336.3	14394.7	14118.8	13796.1	14397.1	14918.5	13218.6
60°	6460.8	6479.5	7926.9	10863.9	13188.2	14174.9	14069.7	13590.4	14088.4	14420.5	12147.6
62.5°	3650.1	3652.5	4807.6	7251.2	9851.4	11553.7	11619.1	11195.9	10777.3	10875.6	8455.4
65°	1370.3	1498.9	2195.7	3563.6	5679.8	6820.9	7092.1	7190.4	6493.5	6060.9	4534.0
67.5°	916.6	947.0	1281.4	1833.2	2527.7	2918.2	3264.3	3273.7	2394.4	2134.9	1786.5
70°	699.2	729.6	1007.8	1311.8	1281.4	1183.2	1279.1	1244.0	1286.1	1321.2	1358.6
72.5°	521.4	551.8	781.0	926.0	769.3	757.6	858.2	954.0	1042.9	1080.3	1138.8
75°	346.1	369.5	526.1	495.7	425.6	502.7	626.7	722.5	774.0	818.4	862.8
77.5°	219.8	236.2	280.6	226.8	236.2	294.6	364.8	451.3	500.4	544.8	568.2
80°	100.5	98.2	95.9	107.6	133.3	173.0	219.8	271.2	308.7	327.4	341.4
82.5°	39.8	44.4	49.1	58.5	72.5	93.5	123.9	159.0	189.4	194.1	205.8
85°	16.4	18.7	21.0	25.7	32.7	42.1	51.4	72.5	91.2	98.2	105.2
87.5°	0.0	0.0	0.0	0.0	2.3	4.7	7.0	11.7	21.0	23.4	25.7
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°	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5	7087.5
2.5°	7134.2	7103.8	7155.3	7190.4	7223.1	7188.0	7176.3	7145.9	7141.3	7141.3	7157.6
5°	7199.7	7178.7	7232.4	7253.5	7251.2	7174.0	7127.2	7066.4	7036.0	7036.0	7040.7
7.5°	7316.6	7304.9	7335.3	7302.6	7227.8	7071.1	6916.8	6788.2	6701.6	6657.2	6671.2
10°	7510.7	7496.7	7471.0	7349.4	7134.2	6809.2	6493.5	6259.7	6119.4	6039.9	6044.6
12.5°	7700.1	7676.7	7585.5	7316.6	6874.7	6357.9	5944.0	5682.1	5527.8	5434.3	5413.2
15°	7908.2	7847.4	7651.0	7148.3	6451.4	5806.1	5373.5	5090.5	4924.5	4868.4	4866.1
17.5°	8107.0	7999.4	7644.0	6849.0	5944.0	5228.5	4793.6	4618.2	4590.1	4615.9	4622.9
20°	8308.1	8135.0	7566.8	6435.1	5340.7	4653.3	4428.8	4501.3	4606.5	4676.7	4693.0
22.5°	8516.2	8247.3	7391.5	5901.9	4704.7	4265.1	4358.6	4517.6	4648.6	4742.1	4751.5
25°	8750.0	8352.5	7129.6	5249.5	4195.0	4157.5	4342.3	4510.6	4650.9	4758.5	4777.2
27.5°	8883.3	8354.8	6762.4	4578.4	3961.1	4115.5	4302.5	4461.5	4601.8	4718.7	4739.8
30°	9014.2	8291.7	6180.2	4033.6	3893.3	4066.4	4234.7	4382.0	4515.3	4629.9	4655.6
32.5°	9199.0	8233.2	5509.1	3720.3	3853.6	4019.6	4157.5	4288.5	4391.4	4442.8	4456.9
35°	9428.1	8158.4	4795.9	3584.7	3827.8	3982.2	4103.8	4173.9	4040.6	4012.6	4043.0
37.5°	9748.5	8088.3	4085.1	3526.2	3811.5	3968.1	4075.7	3895.7	3732.0	3666.5	3689.9
40°	10094.6	8048.5	3603.4	3479.4	3818.5	3982.2	3958.8	3692.2	3456.0	3318.1	3313.4
42.5°	10389.2	7987.7	3294.7	3449.0	3837.2	4036.0	3799.8	3512.2	3161.4	3079.6	3081.9
45°	10587.9	7833.4	3131.0	3416.3	3853.6	4047.6	3725.0	3264.3	3014.1	2962.7	2960.3
47.5°	10669.8	7552.8	3025.8	3364.9	3851.2	3951.8	3573.0	3161.4	2911.2	2897.2	2906.5
50°	10616.0	7092.1	2918.2	3264.3	3795.1	3851.2	3397.6	3070.2	2841.1	2918.2	2974.4
52.5°	10417.2	6495.9	2789.6	3126.3	3694.6	3736.6	3308.7	3014.1	2789.6	2892.5	2936.9
55°	10365.8	6011.8	2625.9	2946.3	3544.9	3533.2	3215.2	2986.0	2754.5	2714.8	2721.8
57.5°	10298.0	5539.5	2354.7	2623.6	3166.1	3184.8	3126.3	2953.3	2663.4	2651.7	2663.4
60°	8946.4	4246.4	2099.8	2263.5	2600.2	2700.8	3025.8	2892.5	2516.0	2466.9	2464.6
62.5°	5843.5	2572.2	1868.3	1973.5	2118.5	2235.4	2759.2	2717.1	2354.7	2324.3	2345.3
65°	3142.7	1833.2	1700.0	1763.1	1842.6	1931.5	2286.9	2420.2	2127.9	2020.3	2022.7
67.5°	1606.4	1559.7	1573.7	1618.1	1678.9	1723.3	1844.9	1961.9	1814.5	1723.3	1721.0
70°	1374.9	1412.3	1433.4	1459.1	1498.9	1491.9	1503.5	1524.6	1512.9	1468.5	1466.1
72.5°	1171.5	1230.0	1234.6	1239.3	1253.3	1220.6	1199.6	1164.5	1166.8	1173.8	1176.2
75°	890.9	947.0	961.1	954.0	968.1	926.0	897.9	862.8	820.8	813.7	818.4
77.5°	579.9	624.3	645.4	640.7	647.7	615.0	600.9	563.5	514.4	495.7	495.7
80°	350.7	376.5	392.8	397.5	404.5	381.1	357.8	325.0	304.0	282.9	282.9
82.5°	212.8	229.2	240.8	240.8	247.9	222.1	203.4	180.1	170.7	152.0	152.0
85°	107.6	119.3	123.9	121.6	116.9	95.9	88.9	77.2	72.5	63.1	63.1
87.5°	25.7	32.7	32.7	23.4	23.4	11.7	7.0	2.3	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)