

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: P642625

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 20458.8 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

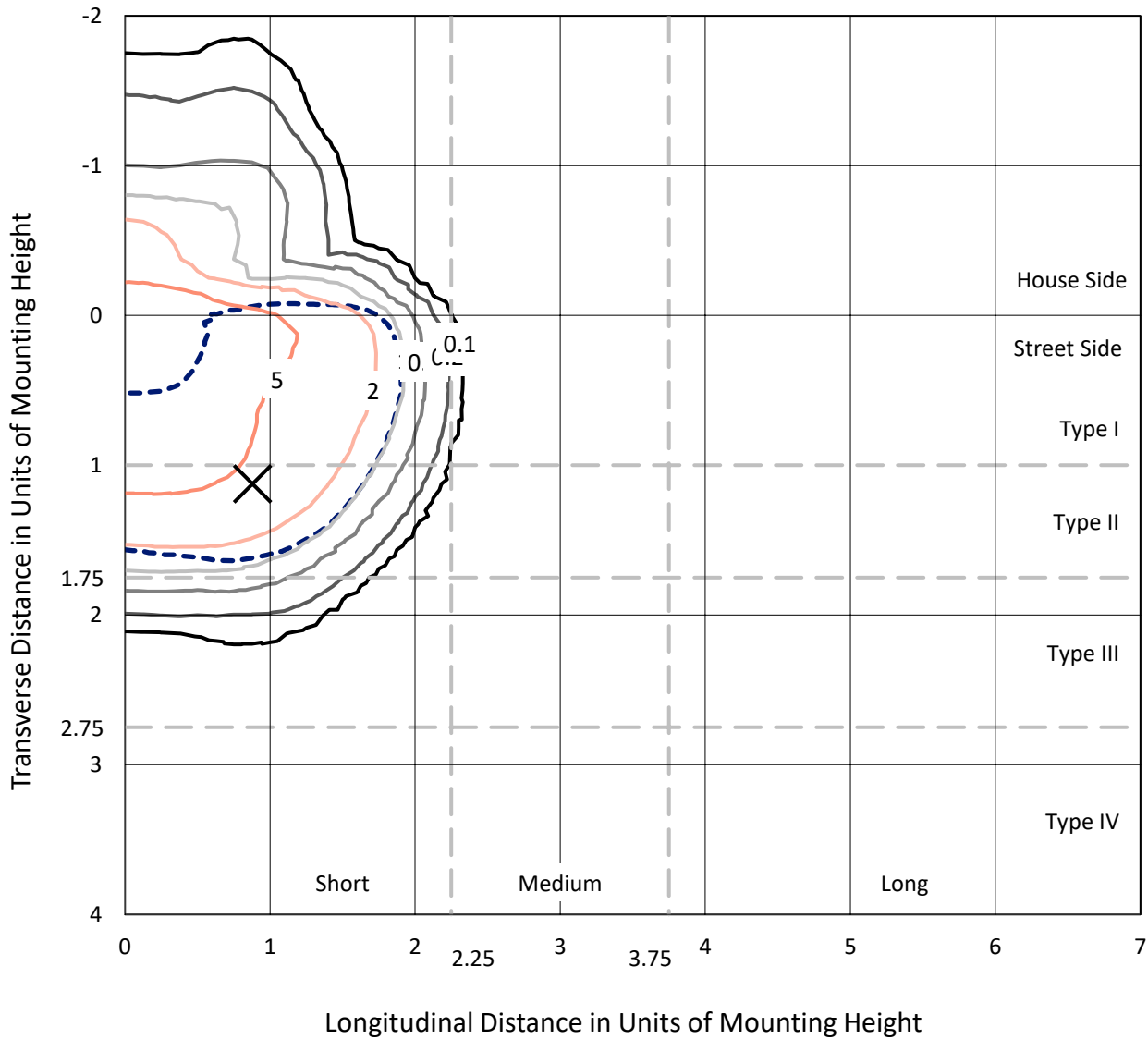
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

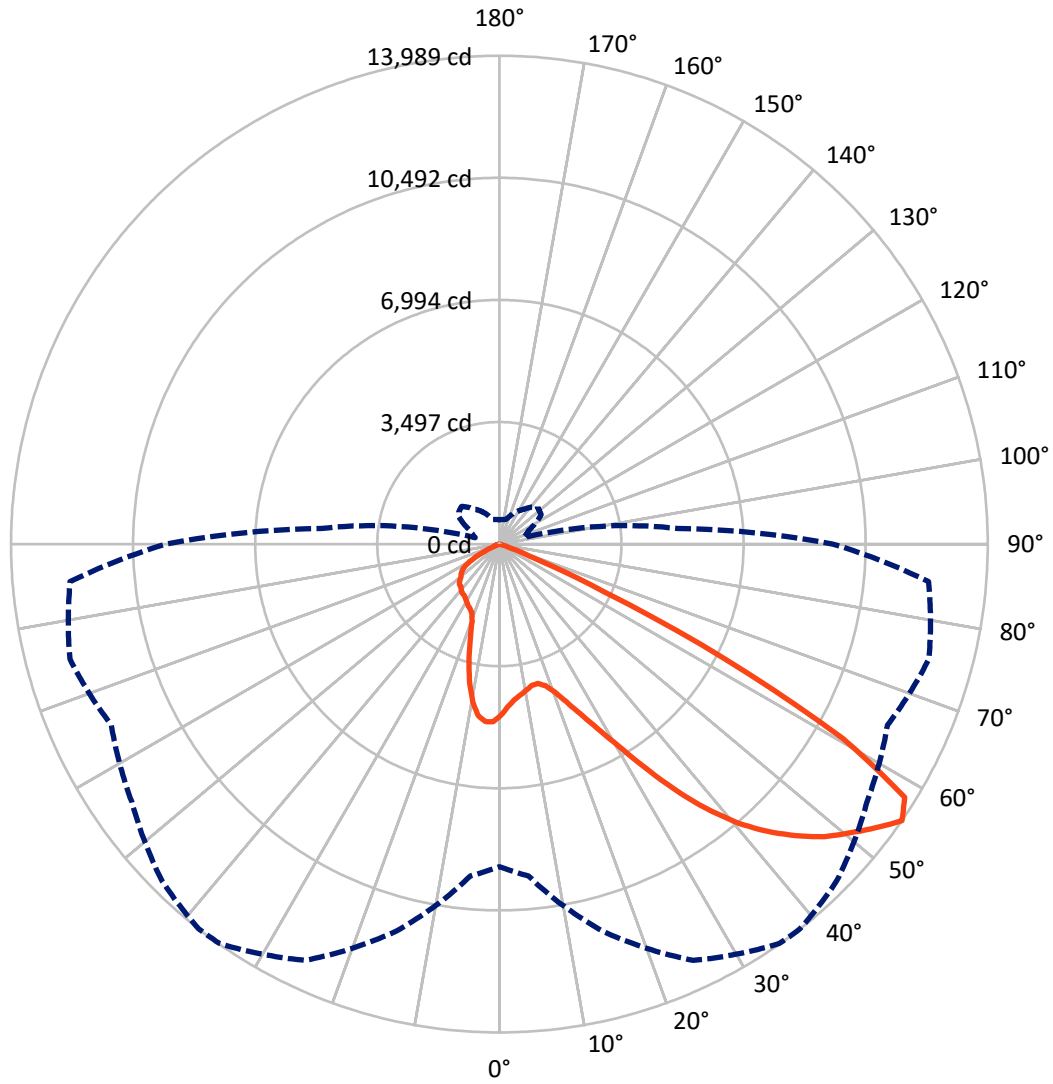
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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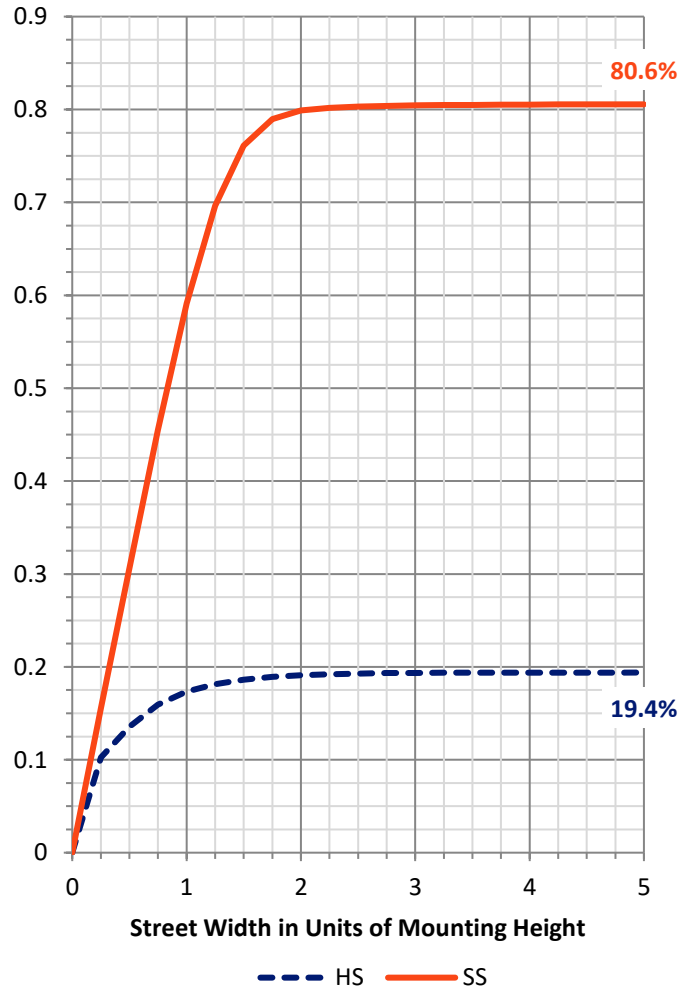
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3986.0	0.0	3986.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	16472.8	0.0	16472.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	20458.8	0.0	20458.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.6	2.2
10°-20°	1221.3	6.0
20°-30°	2095.7	10.2
30°-40°	3475.9	17.0
40°-50°	5109.8	25.0
50°-60°	5970.9	29.2
60°-70°	2024.0	9.9
70°-80°	103.5	0.5
80°-90°	4.1	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°	20458.8	100.0
0°-180°	20458.8	100.0

Coefficient of Utilization



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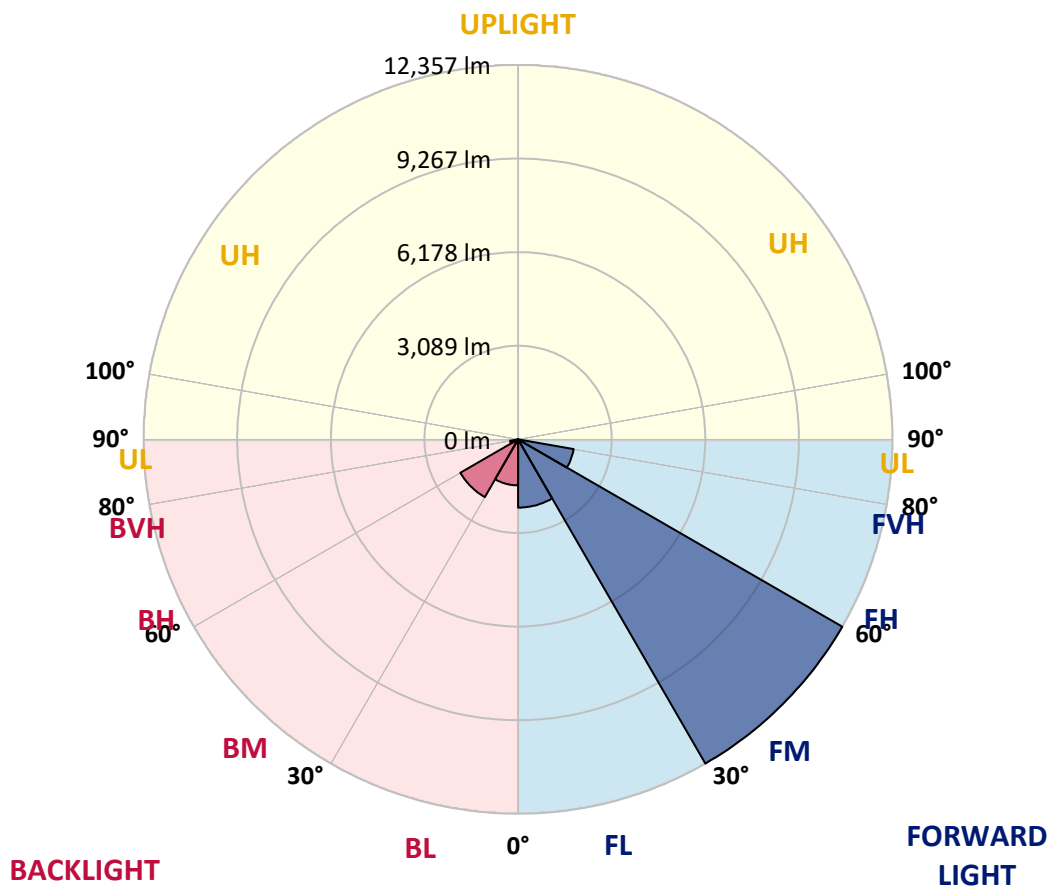
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2252.0	11.0			
FM (30°-60°)	12356.5	60.4			
FH (60°-80°)	1862.1	9.1			G2/5000
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	1518.6	7.4	B3/2500		
BM (30°-60°)	2200.1	10.8	B2/2500		
BH (60°-80°)	265.4	1.3	B1/500		G1/500
BVH (80°-90°)	1.9	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°	38°	45°	55°	65°	75°	85°
0°	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2
2.5°	4569.4	4560.1	4578.8	4616.2	4651.3	4663.0	4698.1	4747.2	4777.6	4850.1	4908.5
5°	4363.6	4359.0	4377.7	4410.4	4457.2	4473.6	4527.3	4609.2	4691.0	4817.3	4941.3
7.5°	4176.6	4174.2	4202.3	4274.8	4342.6	4363.6	4429.1	4529.7	4639.6	4833.7	5016.1
10°	3931.0	3933.4	3987.1	4090.0	4214.0	4256.1	4361.3	4506.3	4648.9	4899.2	5151.7
12.5°	3851.5	3856.2	3884.3	3963.8	4099.4	4153.2	4300.5	4520.3	4702.7	4992.7	5327.1
15°	4045.6	4045.6	4022.2	4031.6	4092.4	4141.5	4295.8	4567.1	4793.9	5104.9	5500.2
17.5°	4422.1	4408.1	4349.6	4270.1	4249.1	4265.4	4389.4	4667.6	4922.5	5235.9	5696.6
20°	4931.9	4936.6	4822.0	4656.0	4522.7	4520.3	4595.2	4845.4	5107.3	5392.6	5909.4
22.5°	5549.3	5530.6	5378.6	5151.7	4920.2	4901.5	4931.9	5116.6	5373.9	5640.5	6171.3
25°	6264.8	6255.5	6040.4	5736.3	5430.0	5385.6	5385.6	5568.0	5755.1	5993.6	6484.7
27.5°	7013.2	7013.2	6805.0	6454.3	6047.4	5967.9	5956.2	6171.3	6295.2	6342.0	6748.9
30°	7782.5	7773.2	7567.4	7207.3	6772.3	6690.5	6657.7	6816.7	6905.6	6765.3	7078.6
32.5°	8563.6	8580.0	8371.8	8037.4	7649.2	7595.5	7494.9	7494.9	7567.4	7371.0	7597.8
35°	9403.1	9398.4	9234.7	9007.9	8675.8	8615.0	8449.0	8189.4	8299.3	8212.8	8315.7
37.5°	10144.4	10179.5	10100.0	9931.6	9662.7	9601.9	9328.3	8858.2	8942.4	9078.1	9169.3
40°	10897.4	10925.5	11005.0	10951.2	10612.1	10499.9	10013.5	9241.8	9335.3	9800.7	10062.6
42.5°	11636.4	11650.4	11811.8	11900.6	11447.0	11250.5	10532.6	9475.6	9573.8	10366.6	10824.9
45°	12106.4	12136.8	12403.4	12674.7	12183.6	11914.7	10983.9	9774.9	9817.0	10759.4	11388.5
47.5°	12087.7	12157.9	12658.3	13151.7	12817.3	12527.4	11526.5	10254.3	10184.2	11128.9	11760.3
50°	11711.2	11795.4	12513.3	13296.7	13273.3	13004.4	12129.8	10948.9	10729.0	11456.3	11807.1
52.5°	10930.2	11173.4	12258.4	13315.4	13640.5	13504.8	12875.8	11884.3	11465.7	11926.4	11881.9
55°	9241.8	9541.1	11484.4	13156.4	13972.5	13988.9	13659.2	12859.4	12265.4	12735.5	12342.6
57.5°	7015.5	7254.0	8839.5	11711.2	13423.0	13691.9	13963.2	13373.9	12758.9	13287.4	12450.2
60°	4228.0	4504.0	5535.2	8594.0	10841.3	11299.6	12363.7	12249.1	11507.8	11734.6	10209.9
62.5°	1714.1	1859.1	2556.0	4735.5	6823.7	7251.7	8271.3	8444.3	8261.9	8030.4	6192.4
65°	626.7	685.2	1024.3	1957.3	3138.3	3294.9	3832.8	4139.1	4391.7	3739.3	2303.4
67.5°	388.2	425.6	666.5	1005.6	1141.2	1061.7	1080.4	1288.5	1230.1	760.0	411.6
70°	287.6	318.0	521.5	696.9	460.7	355.5	240.9	257.2	231.5	203.4	201.1
72.5°	198.8	226.8	390.5	411.6	177.7	126.3	88.9	123.9	140.3	138.0	142.6
75°	131.0	152.0	245.5	161.4	44.4	35.1	30.4	65.5	84.2	84.2	86.5
77.5°	77.2	88.9	86.5	32.7	9.4	9.4	7.0	11.7	18.7	21.0	25.7
80°	9.4	7.0	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
82.5°	2.3	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0
85°	0.0	0.0	2.3	2.3	4.7	4.7	4.7	4.7	4.7	7.0	7.0
87.5°	0.0	0.0	2.3	2.3	4.7	4.7	4.7	4.7	4.7	7.0	7.0
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°	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2	4906.2
2.5°	4952.9	4936.6	5004.4	5053.5	5093.3	5112.0	5086.2	5083.9	5083.9	5032.5	5018.4
5°	5011.4	5018.4	5114.3	5156.4	5163.4	5140.0	5081.6	5041.8	5018.4	4964.6	4934.2
7.5°	5123.7	5147.0	5238.2	5231.2	5168.1	5060.5	4906.2	4786.9	4709.7	4625.6	4574.1
10°	5285.0	5329.4	5385.6	5287.4	5086.2	4812.6	4494.6	4267.8	4132.1	4036.3	3977.8
12.5°	5481.4	5525.9	5507.2	5275.7	4857.1	4368.3	3959.1	3631.7	3475.0	3388.5	3327.7
15°	5680.2	5708.3	5586.7	5135.4	4452.5	3795.4	3339.4	3014.3	2822.6	2752.4	2701.0
17.5°	5883.7	5876.7	5600.7	4859.4	3912.3	3150.0	2701.0	2478.8	2425.0	2413.3	2408.7
20°	6096.5	6033.3	5544.6	4464.2	3262.2	2511.6	2256.7	2270.7	2368.9	2415.7	2425.0
22.5°	6339.7	6180.7	5404.3	3928.7	2598.1	2093.0	2118.7	2256.7	2389.9	2453.1	2462.4
25°	6599.3	6316.3	5170.4	3241.2	2048.5	1924.6	2076.6	2235.6	2378.3	2455.4	2464.8
27.5°	6770.0	6349.0	4786.9	2549.0	1758.6	1859.1	2020.5	2172.5	2319.8	2404.0	2415.7
30°	6954.7	6335.0	4265.4	1964.3	1660.3	1803.0	1943.3	2081.3	2216.9	2310.4	2319.8
32.5°	7226.0	6325.6	3629.4	1594.9	1620.6	1758.6	1861.4	1976.0	2069.6	2123.4	2116.3
35°	7581.4	6314.0	2888.0	1438.2	1597.2	1723.5	1805.3	1859.1	1756.2	1723.5	1730.5
37.5°	8037.4	6342.0	2263.7	1372.7	1590.2	1714.1	1784.3	1629.9	1470.9	1410.1	1400.8
40°	8542.5	6414.5	1725.8	1347.0	1613.6	1737.5	1704.8	1449.9	1253.4	1134.2	1108.4
42.5°	9050.0	6494.0	1365.7	1337.6	1653.3	1803.0	1573.8	1318.9	1024.3	956.4	947.1
45°	9426.5	6480.0	1180.9	1321.3	1688.4	1840.4	1538.7	1131.8	914.4	884.0	886.3
47.5°	9615.9	6325.6	1080.4	1283.8	1702.4	1803.0	1452.2	1054.7	839.5	872.3	900.3
50°	9515.4	5925.8	986.8	1211.3	1672.0	1753.9	1314.2	996.2	802.1	937.7	1000.9
52.5°	9393.8	5434.7	884.0	1099.1	1599.5	1686.1	1260.5	979.8	778.7	905.0	951.8
55°	9555.1	5123.7	715.6	926.0	1456.9	1527.0	1218.4	977.5	724.9	703.9	696.9
57.5°	9328.3	4504.0	512.1	666.5	1117.8	1209.0	1188.0	961.1	643.1	640.7	650.1
60°	7209.6	2747.7	350.8	423.3	685.2	771.7	1078.0	919.0	554.2	509.8	512.1
62.5°	4097.1	1169.3	240.9	261.9	350.8	416.3	823.2	834.8	512.1	486.4	512.1
65°	1426.5	418.6	187.1	175.4	194.1	222.2	472.4	645.4	465.4	420.9	425.6
67.5°	294.7	208.1	166.0	145.0	145.0	145.0	240.9	402.2	383.5	334.4	339.1
70°	187.1	177.7	145.0	123.9	119.3	109.9	138.0	222.2	264.3	243.2	245.5
72.5°	138.0	135.6	114.6	100.6	88.9	79.5	86.5	109.9	135.6	140.3	142.6
75°	84.2	86.5	74.8	63.1	56.1	49.1	51.4	51.4	51.4	46.8	51.4
77.5°	25.7	28.1	23.4	18.7	16.4	16.4	16.4	14.0	11.7	7.0	7.0
80°	7.0	7.0	7.0	7.0	7.0	4.7	4.7	2.3	2.3	0.0	0.0
82.5°	7.0	7.0	7.0	7.0	4.7	4.7	2.3	2.3	0.0	0.0	0.0
85°	7.0	7.0	7.0	7.0	4.7	4.7	2.3	2.3	0.0	0.0	0.0
87.5°	7.0	7.0	7.0	7.0	4.7	4.7	2.3	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)