

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: P635084

Luminaire Tested: GWS-SA3D-722-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

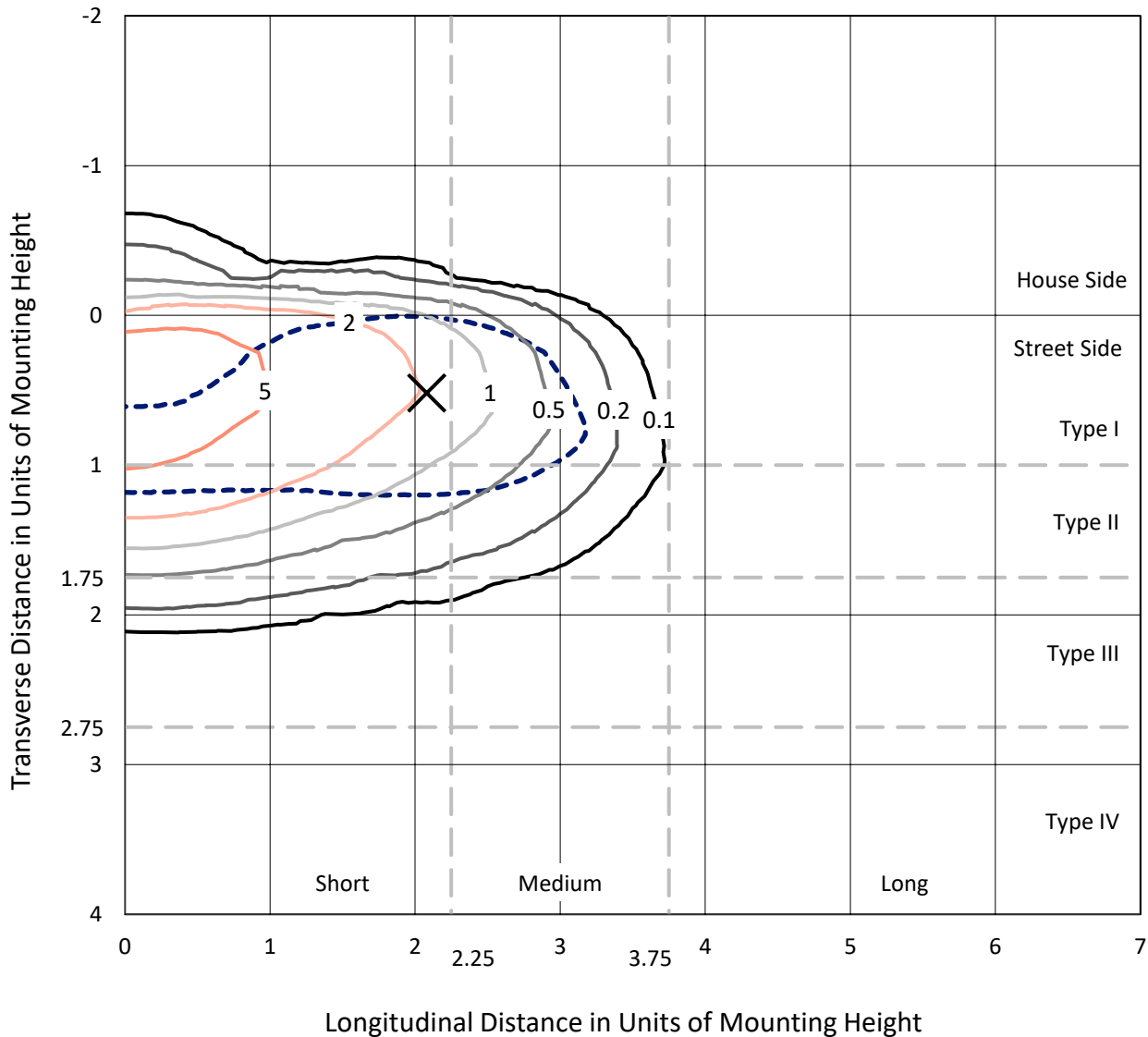
Lumens per Lamp: N/A  
Luminaire Lumens: 10454.2 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

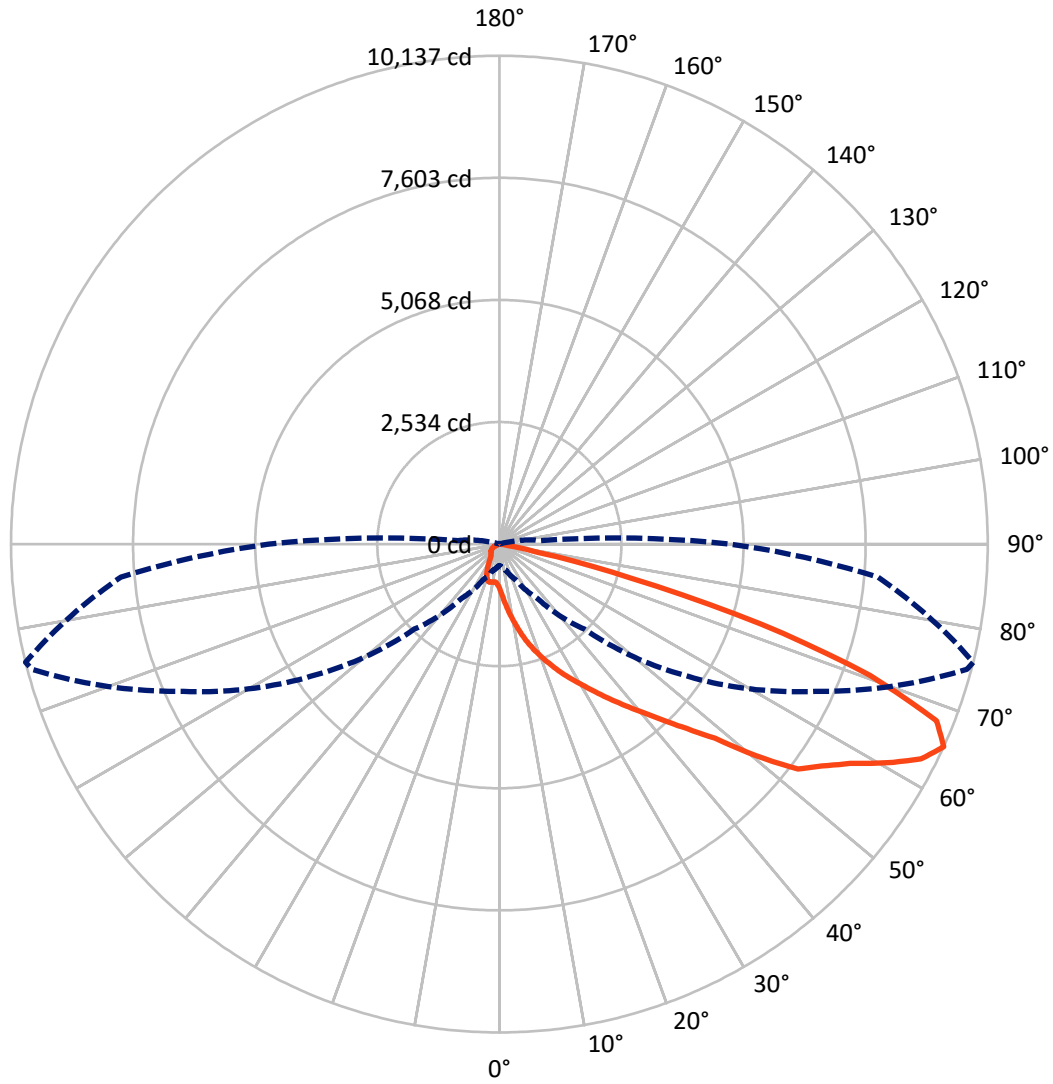
✕ Max cd  
 - - - 1/2 Max cd



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 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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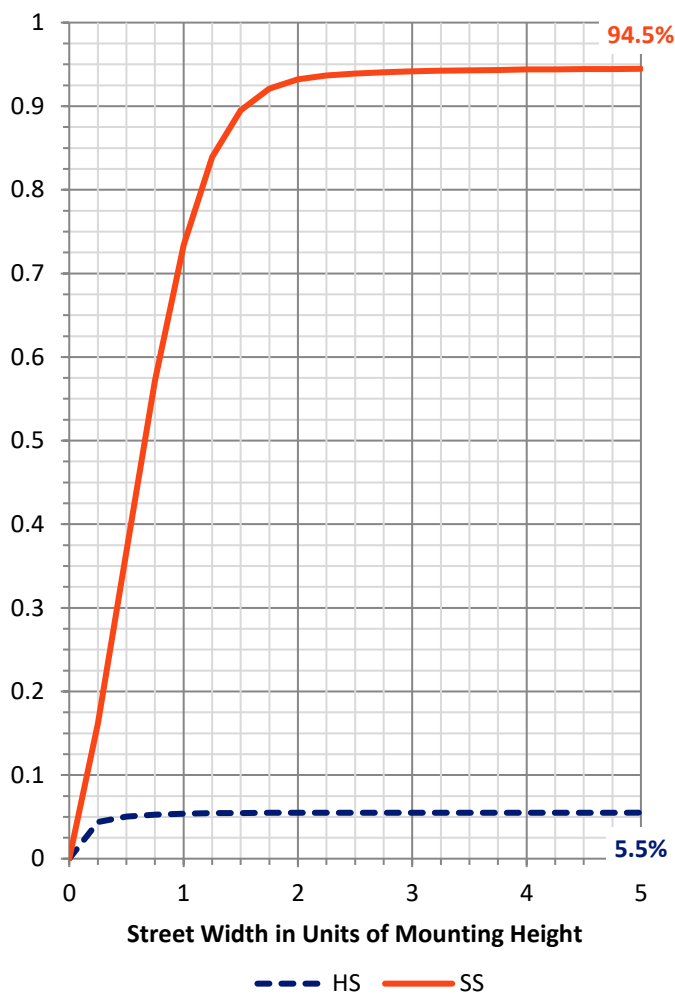
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	578.1	0.0	578.1
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	9876.1	0.0	9876.1
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	10454.2	0.0	10454.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	1.1
10°-20°	427.3	4.1
20°-30°	871.7	8.3
30°-40°	1550.3	14.8
40°-50°	2291.7	21.9
50°-60°	2623.9	25.1
60°-70°	2001.9	19.1
70°-80°	560.8	5.4
80°-90°	14.1	0.1
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°	10454.2	100.0
0°-180°	10454.2	100.0

**Coefficient of Utilization**



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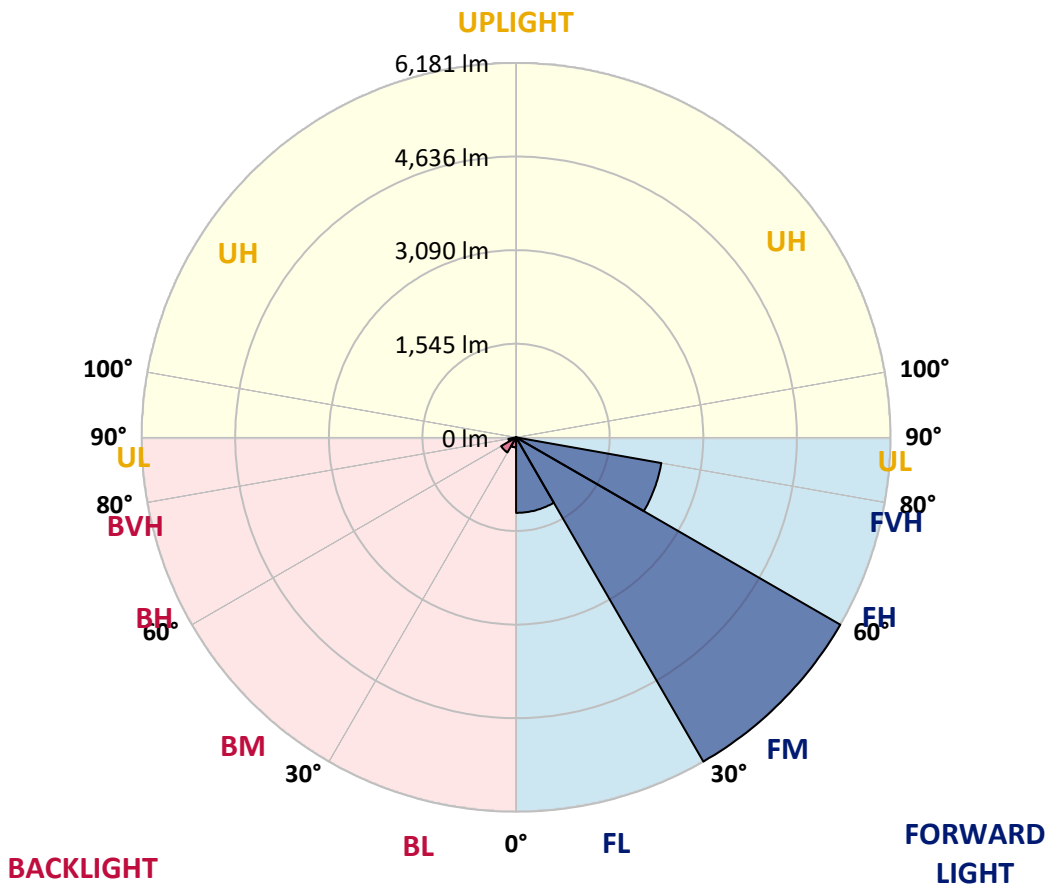
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.6	11.9			
FM (30°-60°)	6180.7	59.1			
FH (60°-80°)	2435.6	23.3			G2/5000
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	164.9	1.6	B1/500		
BM (30°-60°)	285.2	2.7	B1/1000		
BH (60°-80°)	127.1	1.2	B1/500		G1/500
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	1426.5	1447.8	1431.1	1403.2	1349.3	1297.3	1230.4	1138.4	1065.0	1055.7	986.9
5°	1926.4	1924.6	1888.3	1852.1	1795.4	1706.2	1571.4	1400.4	1236.0	1222.0	1067.8
7.5°	2223.8	2226.6	2206.1	2178.3	2122.5	2030.5	1890.2	1683.9	1443.2	1415.3	1178.3
10°	2473.8	2472.9	2458.0	2445.0	2394.8	2333.5	2182.9	1956.2	1666.2	1622.5	1301.9
12.5°	2661.5	2668.0	2675.4	2688.5	2667.1	2606.7	2464.5	2217.3	1892.0	1843.7	1443.2
15°	2810.2	2812.0	2839.9	2890.1	2907.8	2876.2	2747.0	2470.1	2115.1	2073.3	1605.8
17.5°	2854.8	2858.5	2905.9	2997.9	3090.8	3108.5	3010.9	2724.7	2334.4	2289.8	1763.8
20°	2948.7	2957.0	2992.3	3073.2	3190.3	3285.1	3247.0	2982.1	2553.7	2495.2	1925.5
22.5°	3244.2	3248.8	3236.7	3247.0	3307.4	3417.0	3440.3	3231.2	2778.6	2716.3	2100.2
25°	3752.5	3754.4	3669.8	3589.9	3544.3	3564.8	3615.9	3460.7	3001.6	2940.3	2262.8
27.5°	4280.3	4286.8	4185.5	4049.9	3887.2	3794.3	3779.4	3670.7	3226.5	3158.7	2423.6
30°	4777.5	4777.5	4670.6	4505.2	4287.8	4106.6	3999.7	3882.6	3467.2	3392.9	2588.1
32.5°	5224.5	5220.8	5084.2	4904.8	4690.2	4491.3	4266.4	4103.8	3734.8	3652.1	2777.7
35°	5593.4	5584.1	5428.9	5257.0	5027.5	4879.7	4628.8	4341.7	4024.8	3942.1	2972.8
37.5°	5872.2	5862.0	5719.8	5537.7	5324.9	5229.1	5019.1	4627.0	4330.5	4255.2	3189.3
40°	6023.7	6003.2	5904.7	5769.1	5590.6	5507.0	5419.6	4981.0	4690.2	4596.3	3444.9
42.5°	6068.3	6044.1	5979.1	5915.9	5808.1	5742.1	5836.0	5380.6	5085.1	5004.3	3736.7
45°	5936.3	5922.4	5916.8	5962.4	5981.9	6000.5	6231.9	5823.0	5520.9	5459.6	4103.8
47.5°	5618.5	5614.8	5664.1	5853.6	6059.9	6256.0	6662.1	6368.5	6086.0	6020.0	4616.7
50°	5031.2	5069.3	5206.8	5539.5	5952.1	6401.0	7064.5	7124.9	7000.4	6903.7	5285.8
52.5°	4113.1	4186.5	4495.0	5000.5	5593.4	6360.1	7250.4	7730.8	7858.1	7757.8	5765.3
55°	3227.4	3296.2	3571.3	4212.5	5003.3	6048.8	7258.7	7939.9	8217.8	8124.8	6089.7
57.5°	2404.1	2467.3	2717.3	3330.6	4200.4	5436.4	7059.9	8056.1	8644.3	8584.8	6601.7
60°	1571.4	1633.7	1859.5	2395.7	3258.1	4544.3	6570.1	8031.9	9225.1	9219.5	7230.8
62.5°	871.7	920.9	1084.5	1502.7	2274.0	3519.2	5800.7	7789.4	9787.3	9822.7	7749.4
65°	446.1	477.7	577.1	826.1	1376.3	2495.2	4788.7	7233.6	10047.5	10136.8	7886.0
67.5°	291.8	302.0	326.2	429.3	736.9	1569.6	3603.8	6342.4	9681.4	9785.5	7427.9
70°	237.0	245.3	259.3	286.2	380.1	833.6	2366.9	5065.6	8089.5	8160.1	5915.0
72.5°	173.8	184.9	211.9	229.5	274.1	457.2	1231.3	3325.0	5555.3	5679.9	3717.2
75°	128.2	134.7	157.1	181.2	224.0	289.0	471.2	1748.0	2868.7	2796.2	1561.2
77.5°	77.1	81.8	100.4	116.2	159.8	180.3	164.5	645.9	872.6	820.6	377.3
80°	38.1	42.7	66.0	87.4	102.2	72.5	68.8	180.3	194.2	194.2	94.8
82.5°	13.0	16.7	35.3	57.6	50.2	27.9	32.5	46.5	52.0	54.8	27.9
85°	0.0	0.0	8.4	16.7	7.4	3.7	8.4	10.2	13.0	13.9	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8	3.7	3.7
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°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	949.7	906.1	840.1	780.6	735.1	692.3	659.8	633.8	629.1	614.3	616.1
5°	992.5	913.5	791.8	697.9	631.9	587.3	550.1	522.3	510.2	498.1	488.8
7.5°	1058.5	944.2	773.2	658.9	581.7	513.0	455.4	408.9	386.6	372.6	363.4
10°	1139.3	986.9	774.1	635.6	521.3	416.3	337.3	286.2	262.1	254.6	253.7
12.5°	1236.0	1040.8	781.5	597.5	434.0	309.5	250.0	226.7	219.3	212.8	212.8
15°	1338.2	1101.2	781.5	527.8	330.8	241.6	216.5	201.7	192.4	188.6	186.8
17.5°	1446.0	1157.9	763.0	432.1	253.7	212.8	192.4	178.4	171.0	165.4	163.6
20°	1561.2	1211.8	716.5	330.8	217.5	190.5	171.0	157.1	149.6	144.0	144.0
22.5°	1678.3	1262.0	641.2	254.6	192.4	169.1	150.5	137.5	130.1	124.5	124.5
25°	1787.0	1295.4	544.6	210.0	173.8	150.5	133.8	120.8	112.4	108.7	106.9
27.5°	1888.3	1316.8	437.7	184.9	156.1	134.7	117.1	105.0	98.5	95.7	93.9
30°	1993.3	1322.4	334.5	168.2	141.3	118.9	102.2	92.9	87.4	83.6	83.6
32.5°	2095.6	1315.9	255.6	154.3	128.2	105.0	91.1	82.7	78.1	75.3	74.3
35°	2199.6	1286.1	207.2	142.2	115.2	92.0	80.8	74.3	71.6	67.8	67.8
37.5°	2313.0	1246.2	180.3	130.1	102.2	82.7	72.5	67.8	64.1	61.3	60.4
40°	2454.3	1199.7	165.4	119.9	90.1	74.3	65.1	60.4	57.6	54.8	53.9
42.5°	2621.5	1154.2	158.0	108.7	80.8	66.0	58.5	53.0	50.2	46.5	45.5
45°	2858.5	1144.0	149.6	96.6	72.5	59.5	51.1	45.5	41.8	39.0	38.1
47.5°	3239.5	1172.8	135.7	83.6	64.1	52.0	43.7	39.0	34.4	31.6	29.7
50°	3617.7	1165.3	121.7	72.5	56.7	44.6	37.2	32.5	27.9	25.1	24.2
52.5°	3824.0	1130.0	108.7	64.1	49.3	38.1	31.6	26.0	23.2	20.4	19.5
55°	4010.8	1116.1	95.7	55.8	41.8	33.5	26.0	21.4	19.5	16.7	15.8
57.5°	4377.0	1148.6	84.6	48.3	36.2	28.8	22.3	17.7	15.8	13.0	12.1
60°	4759.8	1152.3	72.5	41.8	31.6	24.2	17.7	13.9	12.1	9.3	8.4
62.5°	4959.6	1058.5	59.5	35.3	26.0	20.4	14.9	11.2	9.3	5.6	5.6
65°	4792.4	855.9	50.2	28.8	20.4	15.8	11.2	8.4	5.6	2.8	0.9
67.5°	4241.3	608.7	41.8	23.2	14.9	11.2	8.4	5.6	0.9	0.0	0.0
70°	3105.7	347.6	32.5	16.7	11.2	7.4	5.6	2.8	0.0	0.0	0.0
72.5°	1908.8	185.9	24.2	11.2	8.4	5.6	4.6	1.9	0.0	0.0	0.0
75°	723.9	89.2	14.9	7.4	6.5	4.6	2.8	0.9	0.0	0.0	0.0
77.5°	196.1	43.7	8.4	5.6	4.6	2.8	1.9	0.0	0.0	0.0	0.0
80°	51.1	20.4	5.6	3.7	2.8	1.9	0.0	0.0	0.0	0.0	0.0
82.5°	17.7	9.3	2.8	2.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	7.4	3.7	1.9	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.9	0.9	0.9	0.9	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)