

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: P640288

Luminaire Tested: GWS-SA5D-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17973.4 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

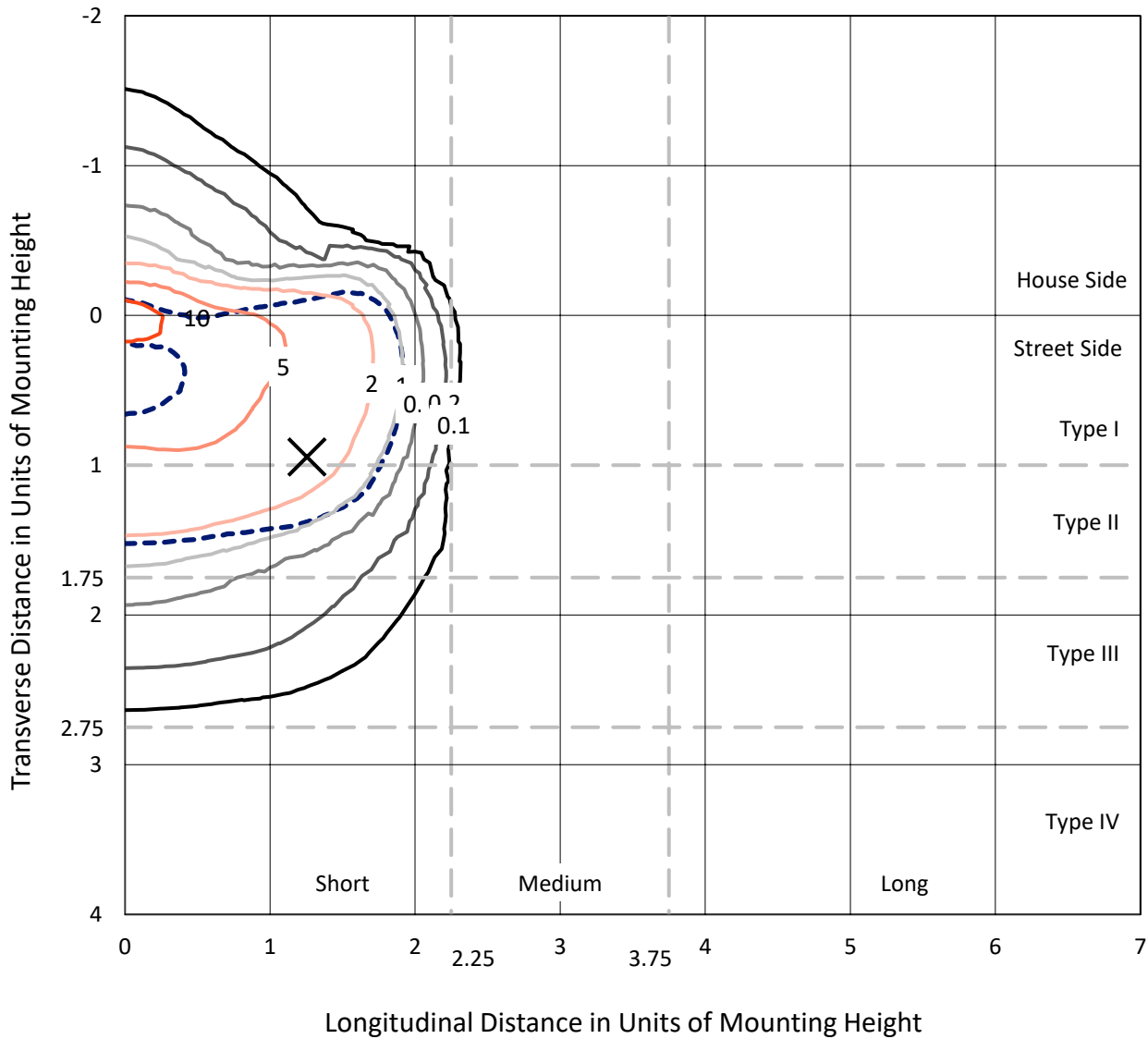
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

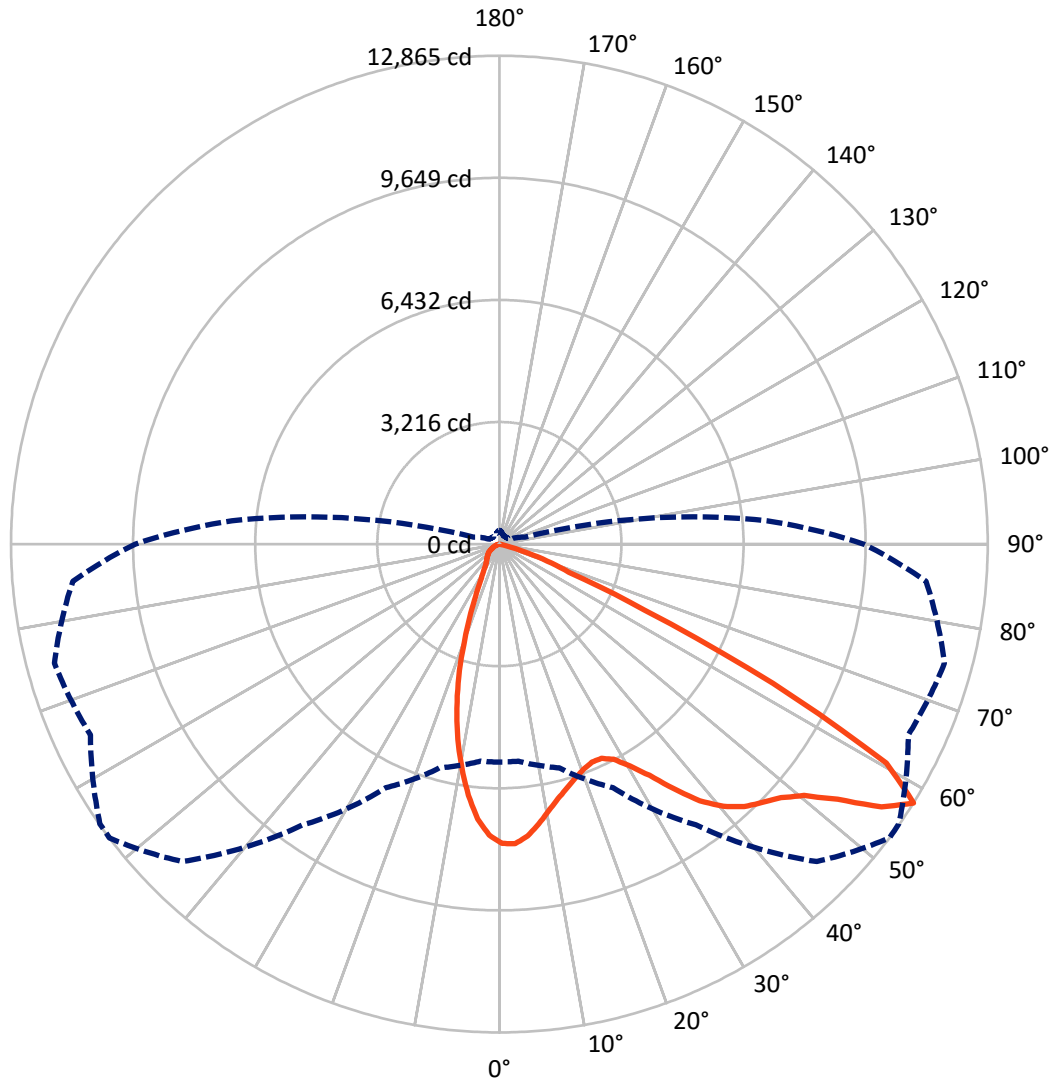
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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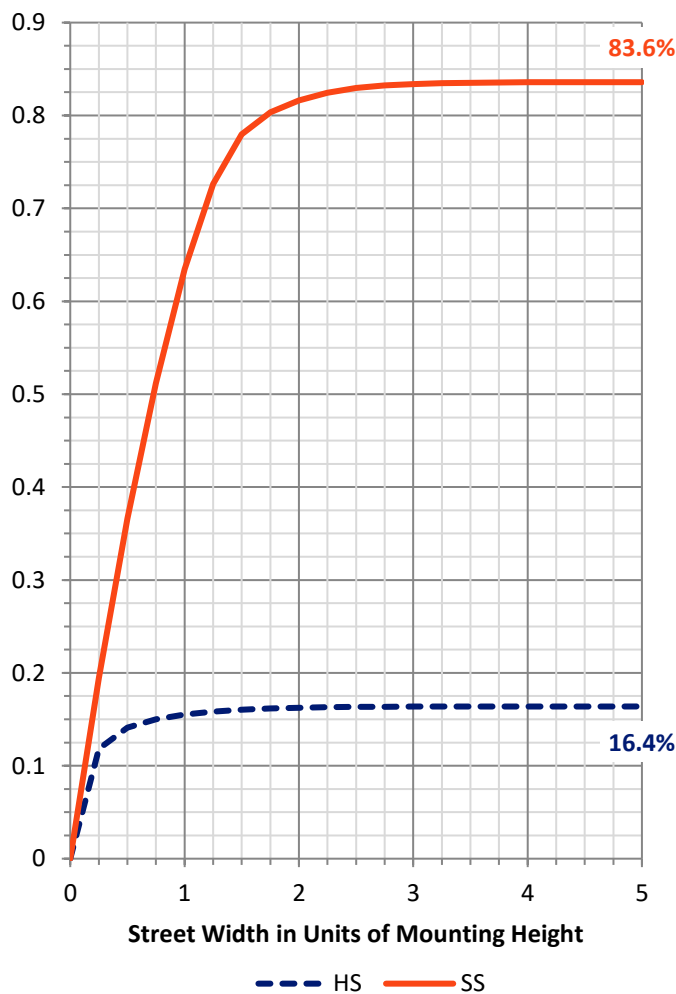
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2969.0	0.0	2969.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	15004.4	0.0	15004.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	17973.4	0.0	17973.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.6	3.8
10°-20°	1480.9	8.2
20°-30°	1929.2	10.7
30°-40°	2798.4	15.6
40°-50°	4037.8	22.5
50°-60°	4883.4	27.2
60°-70°	1990.3	11.1
70°-80°	178.8	1.0
80°-90°	0.0	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°	17973.4	100.0
0°-180°	17973.4	100.0

Coefficient of Utilization



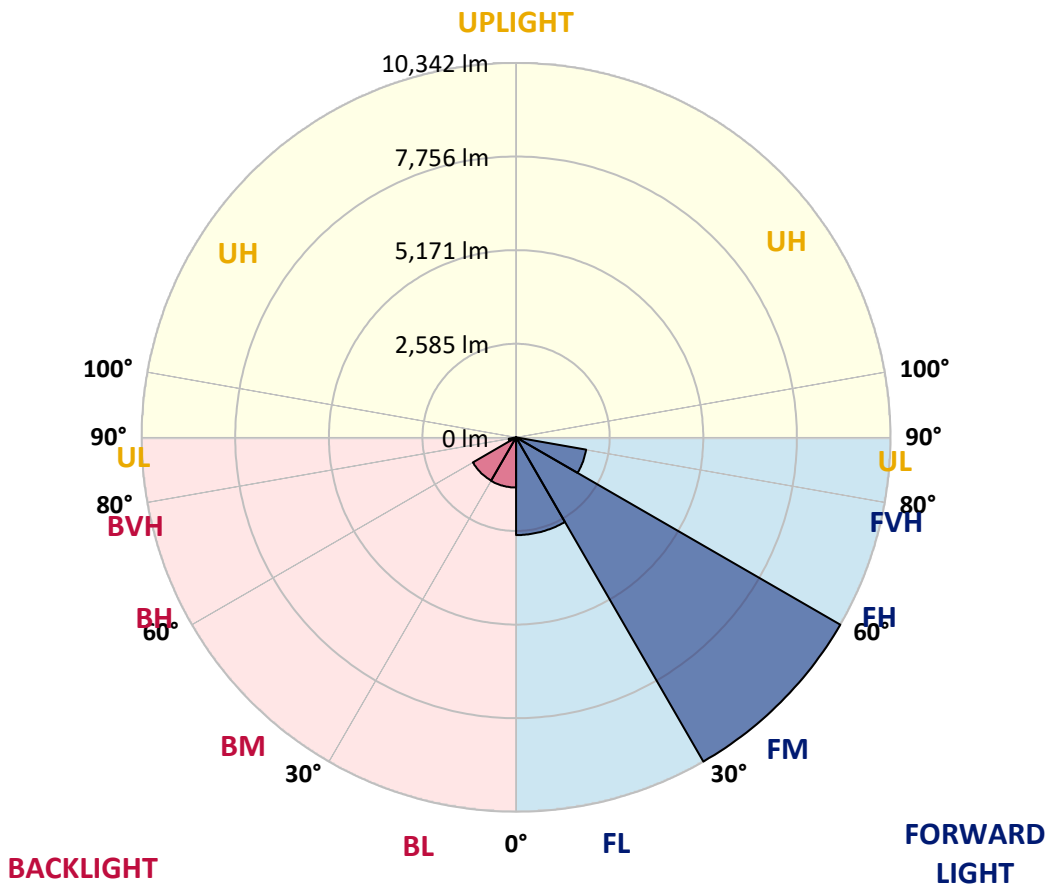
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2699.0	15.0			
FM (30°-60°)	10341.5	57.5			
FH (60°-80°)	1963.9	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1385.7	7.7	B3/2500		
BM (30°-60°)	1378.1	7.7	B2/2500		
BH (60°-80°)	205.2	1.1	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: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2
2.5°	7774.0	7791.6	7822.5	7862.1	7888.6	7901.8	7901.8	7939.2	7915.0	7895.2	7873.1
5°	7441.4	7459.0	7500.9	7564.7	7628.6	7674.9	7727.8	7767.4	7782.8	7782.8	7745.4
7.5°	6972.2	6996.4	7022.8	7110.9	7249.7	7353.3	7443.6	7500.9	7584.6	7611.0	7558.1
10°	6467.7	6491.9	6551.4	6672.6	6831.2	6985.4	7139.6	7212.3	7355.5	7430.4	7370.9
12.5°	6040.3	6051.4	6130.7	6276.0	6478.7	6690.2	6877.4	6952.3	7155.0	7267.3	7196.9
15°	5687.9	5694.5	5773.8	5934.6	6168.1	6428.0	6663.8	6740.9	6989.8	7159.4	7053.7
17.5°	5421.3	5423.5	5491.8	5665.8	5910.4	6198.9	6478.7	6573.4	6895.1	7099.9	6941.3
20°	5286.9	5280.3	5328.8	5480.8	5712.1	6000.7	6331.1	6447.9	6842.2	7091.1	6855.4
22.5°	5289.1	5273.7	5293.6	5401.5	5597.6	5868.5	6238.6	6370.8	6846.6	7128.6	6782.7
25°	5414.7	5392.7	5397.1	5454.4	5593.1	5839.9	6251.8	6392.8	6934.7	7254.1	6756.3
27.5°	5626.2	5602.0	5602.0	5630.6	5705.5	5930.2	6417.0	6577.8	7170.4	7498.7	6811.3
30°	5899.4	5875.1	5866.3	5894.9	5956.6	6163.7	6784.9	6952.3	7573.5	7899.6	6987.6
32.5°	6212.2	6183.5	6198.9	6238.6	6298.1	6584.5	7258.5	7481.0	8078.0	8439.3	7304.8
35°	6542.6	6518.4	6588.9	6674.8	6767.3	7168.2	7912.8	8106.7	8697.0	9111.2	7789.4
37.5°	6857.6	6846.6	6994.2	7174.8	7366.5	7868.7	8578.1	8727.9	9227.9	9842.5	8382.0
40°	7172.6	7170.4	7423.8	7741.0	8047.2	8567.1	9082.5	9205.9	9551.7	10410.9	8950.4
42.5°	7525.1	7525.1	7875.3	8298.3	8705.8	9157.4	9452.6	9507.7	9697.1	10739.1	9377.7
45°	7862.1	7882.0	8287.3	8778.5	9261.0	9617.8	9708.2	9712.6	9756.6	10933.0	9732.4
47.5°	8128.7	8146.3	8630.9	9197.1	9717.0	9968.1	9981.3	9961.5	9913.0	11118.0	10005.5
50°	8344.6	8371.0	8877.7	9476.9	10029.8	10305.1	10406.5	10386.6	10263.3	11316.3	10197.2
52.5°	8450.3	8487.8	8963.6	9615.6	10377.8	10882.3	11164.3	11210.5	10787.6	11426.4	10380.0
55°	7604.4	7659.5	8097.8	8990.0	10571.7	11774.5	12217.3	12208.4	11355.9	11754.6	10825.0
57.5°	5742.9	5738.5	6102.0	7077.9	9029.7	11825.1	12864.9	12847.3	11886.8	12135.7	11281.0
60°	3910.1	3883.7	3980.6	4452.0	6313.5	9633.3	11708.4	11946.3	11510.1	11210.5	9578.2
62.5°	3218.4	3194.2	3163.4	3033.4	3626.0	6000.7	8089.0	8450.3	8393.0	7791.6	6007.3
65°	2634.7	2654.5	2740.4	2685.3	2522.3	3077.4	4198.7	4412.4	4033.5	3394.7	2099.4
67.5°	1943.0	1951.8	2064.1	2354.9	2266.8	2048.7	1976.0	2011.2	1178.5	541.9	350.3
70°	1147.7	1154.3	1257.9	1647.8	1839.4	1572.9	1335.0	1315.1	467.0	145.4	158.6
72.5°	649.9	636.6	656.5	784.2	1002.3	834.9	687.3	625.6	141.0	81.5	81.5
75°	308.4	299.6	257.7	242.3	220.3	141.0	88.1	74.9	35.2	33.0	33.0
77.5°	2.2	6.6	4.4	6.6	6.6	4.4	2.2	2.2	6.6	6.6	8.8
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2	7884.2
2.5°	7833.5	7767.4	7752.0	7747.6	7685.9	7619.8	7551.5	7525.1	7485.4	7461.2	7481.0
5°	7685.9	7591.2	7507.5	7430.4	7293.8	7144.0	7014.0	6930.3	6851.0	6798.1	6811.3
7.5°	7476.6	7353.3	7161.6	6965.6	6714.4	6489.7	6238.6	6084.4	5941.2	5861.9	5899.4
10°	7254.1	7091.1	6784.9	6452.3	6058.0	5705.5	5346.4	5053.4	4883.8	4723.0	4740.6
12.5°	7036.0	6820.2	6362.0	5857.5	5359.6	4839.8	4297.8	3892.5	3614.9	3414.5	3383.6
15°	6833.4	6555.8	5950.0	5284.7	4606.3	3914.5	3222.8	2643.5	2321.9	2123.6	2110.4
17.5°	6652.7	6309.1	5522.7	4685.6	3835.2	2949.7	2154.4	1720.5	1535.4	1449.5	1440.7
20°	6478.7	6060.2	5086.5	4077.6	2993.7	2070.7	1487.0	1286.5	1227.0	1191.8	1196.2
22.5°	6311.3	5789.2	4628.3	3403.5	2244.7	1453.9	1152.1	1075.0	1068.4	1072.8	1075.0
25°	6170.3	5540.3	4156.9	2753.6	1601.5	1108.1	962.7	940.6	960.5	989.1	993.5
27.5°	6097.6	5337.6	3696.5	2099.4	1158.7	901.0	834.9	843.7	879.0	909.8	914.2
30°	6117.4	5185.6	3220.6	1522.2	892.2	760.0	738.0	755.6	790.8	819.5	823.9
32.5°	6258.4	5108.5	2733.8	1108.1	733.6	663.1	654.3	667.5	698.3	720.3	722.5
35°	6538.2	5126.1	2271.2	848.1	630.0	590.4	588.2	597.0	612.4	627.8	630.0
37.5°	6950.1	5269.3	1815.2	704.9	570.5	541.9	533.1	533.1	544.1	550.7	555.1
40°	7392.9	5485.2	1453.9	623.4	528.7	497.9	480.2	473.6	482.4	491.2	493.4
42.5°	7758.6	5701.1	1180.8	566.1	495.7	453.8	431.8	427.4	438.4	453.8	458.2
45°	8038.4	5868.5	984.7	519.9	458.2	411.9	387.7	387.7	407.5	434.0	438.4
47.5°	8293.9	6002.9	839.3	478.0	423.0	374.5	350.3	354.7	387.7	423.0	429.6
50°	8467.9	6110.8	731.4	440.6	394.3	343.7	321.6	330.4	370.1	411.9	418.5
52.5°	8655.2	6243.0	660.9	407.5	367.9	319.4	299.6	306.2	350.3	396.5	405.3
55°	9172.9	6685.8	658.7	363.5	321.6	286.4	277.6	279.8	323.8	376.7	387.7
57.5°	9595.8	7075.7	702.7	306.2	268.8	251.1	246.7	248.9	288.6	348.1	361.3
60°	7939.2	5498.4	581.6	253.3	224.7	220.3	213.7	218.1	255.5	308.4	319.4
62.5°	4698.8	3143.5	277.6	193.9	191.7	187.2	180.6	189.4	224.7	271.0	277.6
65°	1605.9	931.8	176.2	158.6	163.0	156.4	149.8	158.6	189.4	215.9	218.1
67.5°	308.4	246.7	141.0	132.2	134.4	121.2	119.0	127.8	145.4	149.8	147.6
70°	160.8	143.2	107.9	107.9	103.5	85.9	85.9	94.7	94.7	88.1	85.9
72.5°	83.7	79.3	70.5	79.3	66.1	52.9	52.9	57.3	52.9	44.1	44.1
75°	33.0	33.0	30.8	39.7	28.6	24.2	22.0	26.4	19.8	15.4	15.4
77.5°	8.8	8.8	8.8	11.0	6.6	6.6	4.4	4.4	2.2	0.0	0.0
80°	0.0	2.2	0.0	2.2	0.0	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)