

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: P640235

Luminaire Tested: GWS-SA5D-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24330.8 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

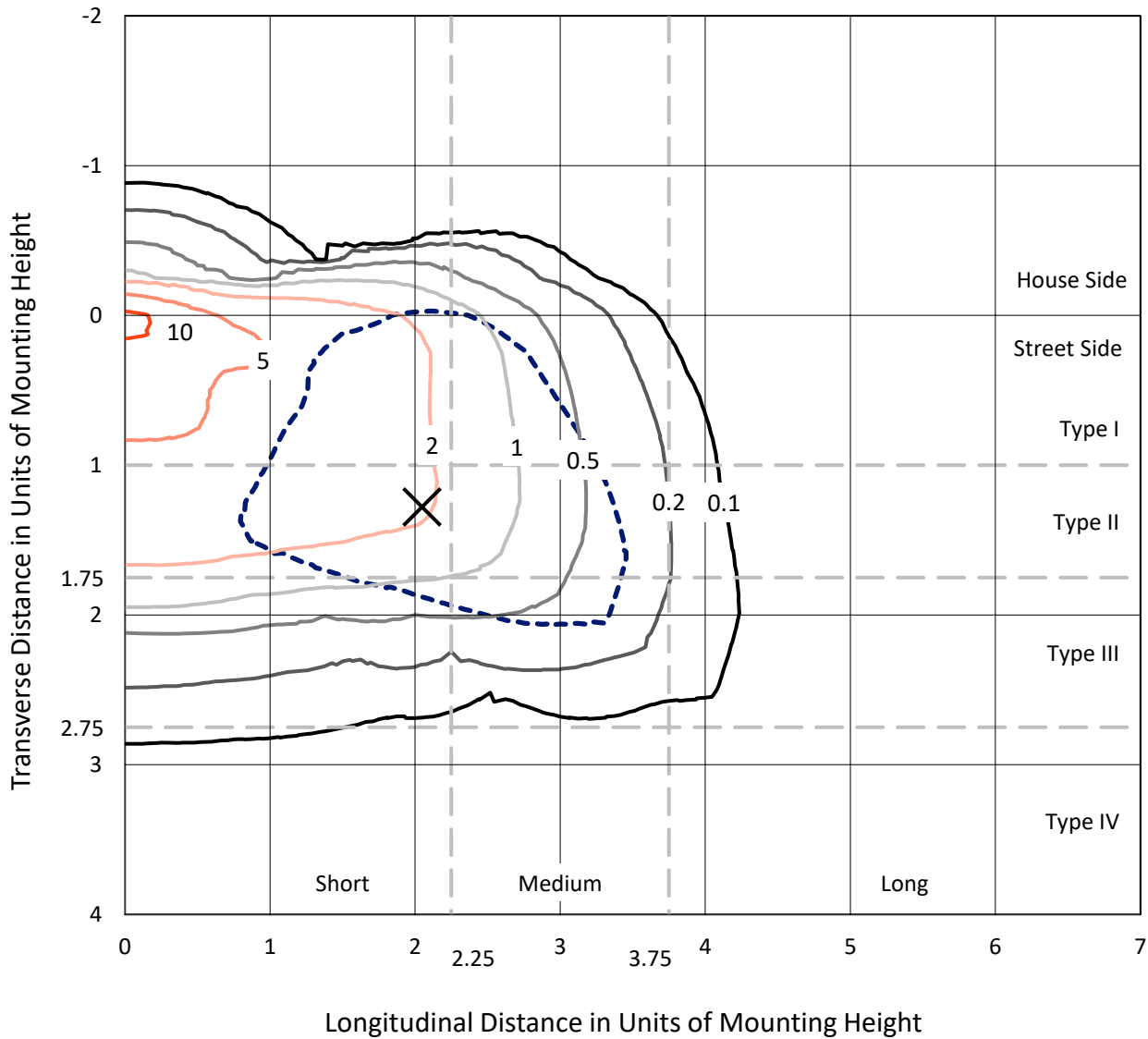
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

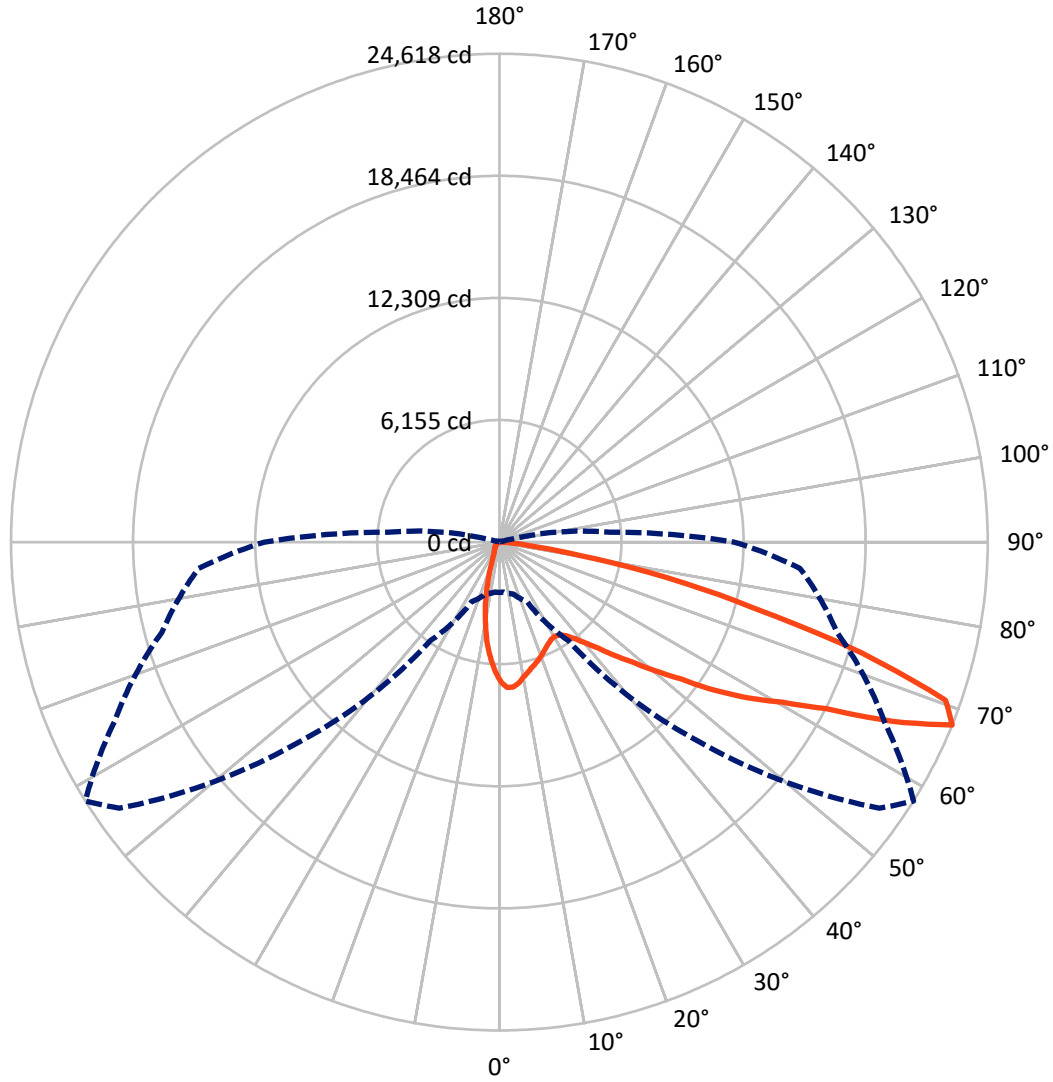
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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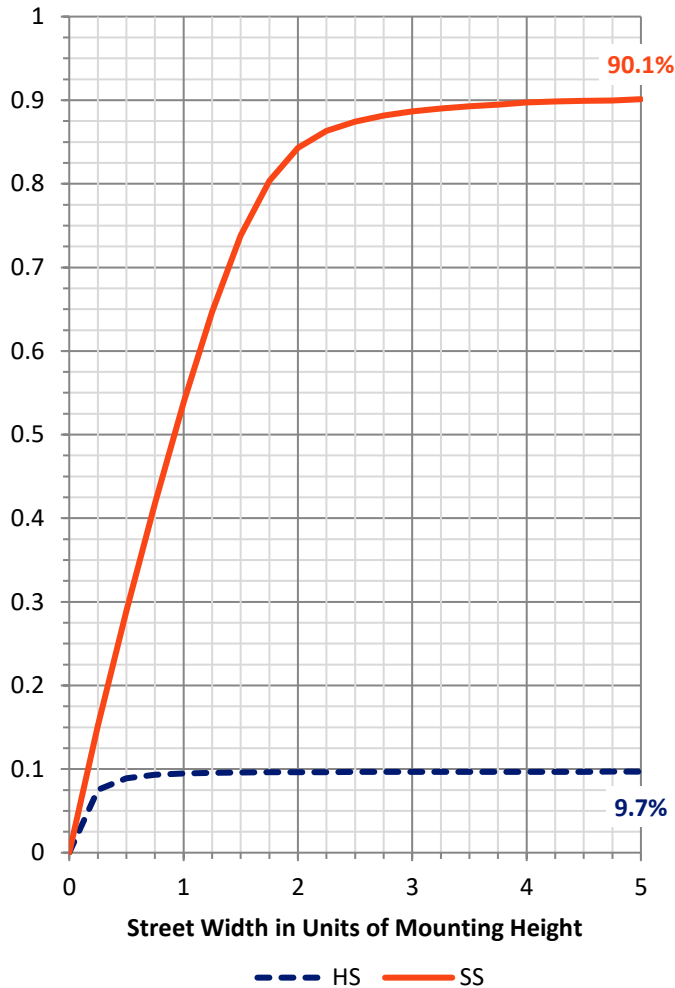
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2377.0	0.0	2377.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	21953.8	0.0	21953.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	24330.8	0.0	24330.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.3	2.3
10°-20°	1187.1	4.9
20°-30°	1600.9	6.6
30°-40°	2249.7	9.2
40°-50°	3474.4	14.3
50°-60°	5556.0	22.8
60°-70°	6578.7	27.0
70°-80°	2910.2	12.0
80°-90°	203.5	0.8
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°	24330.8	100.0
0°-180°	24330.8	100.0

Coefficient of Utilization

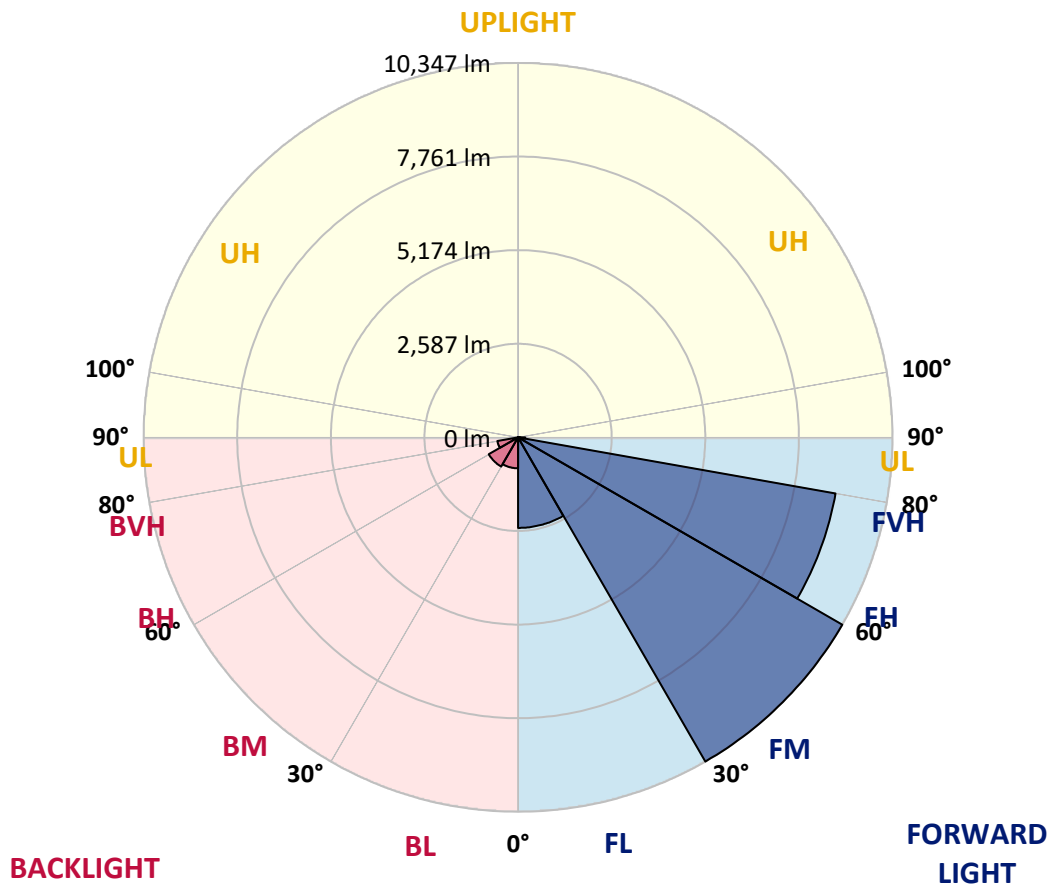


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2503.0	10.3			
FM (30°-60°)	10347.4	42.5			
FH (60°-80°)	8908.6	36.6			G4/12000
FVH (80°-90°)	194.8	0.8			G2/225
BL (0°-30°)	855.4	3.5	B2/1000		
BM (30°-60°)	932.6	3.8	B1/1000		
BH (60°-80°)	580.3	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1
2.5°	7382.1	7395.0	7412.2	7433.8	7429.5	7410.1	7386.4	7332.6	7298.1	7190.4	7059.1
5°	7145.2	7143.0	7186.1	7227.0	7300.2	7339.0	7392.8	7343.3	7326.1	7196.9	6983.7
7.5°	6682.2	6705.9	6755.4	6820.0	6925.5	7039.7	7168.9	7153.8	7205.5	7119.4	6854.5
10°	6227.8	6214.9	6292.4	6389.3	6550.8	6697.3	6884.6	6882.5	7018.1	7009.5	6708.0
12.5°	5829.4	5827.3	5887.6	5997.4	6186.9	6391.5	6645.6	6652.1	6820.0	6888.9	6583.1
15°	5493.5	5497.8	5555.9	5670.1	5866.0	6115.8	6410.9	6464.7	6654.2	6794.2	6460.4
17.5°	5254.5	5256.6	5291.1	5390.1	5581.8	5848.8	6204.1	6277.4	6520.7	6723.1	6361.3
20°	5144.6	5136.0	5142.5	5192.0	5340.6	5583.9	5993.1	6087.8	6397.9	6673.6	6270.9
22.5°	5159.7	5146.8	5116.6	5110.2	5176.9	5362.1	5769.1	5885.4	6264.4	6643.4	6189.1
25°	5293.2	5265.2	5222.2	5157.6	5131.7	5224.3	5573.2	5693.8	6139.5	6645.6	6126.6
27.5°	5497.8	5467.6	5413.8	5327.7	5226.5	5187.7	5439.7	5553.8	6051.2	6695.1	6096.5
30°	5758.4	5734.7	5683.0	5579.6	5444.0	5284.6	5411.7	5506.4	6008.2	6796.3	6109.4
32.5°	6066.3	6049.1	6006.0	5911.3	5756.2	5512.9	5506.4	5579.6	6042.6	6942.8	6158.9
35°	6363.5	6370.0	6372.1	6320.4	6154.6	5859.6	5767.0	5792.8	6184.8	7162.4	6270.9
37.5°	6684.4	6669.3	6746.8	6783.4	6624.1	6309.7	6169.7	6171.8	6456.1	7487.6	6481.9
40°	6927.7	6932.0	7100.0	7250.7	7184.0	6880.3	6680.1	6677.9	6873.9	7933.4	6822.2
42.5°	7156.0	7184.0	7431.6	7690.0	7782.6	7513.4	7369.2	7315.3	7459.6	8536.3	7332.6
45°	7399.3	7440.2	7786.9	8155.2	8398.5	8239.2	8125.0	8146.6	8163.8	9238.4	8019.5
47.5°	7683.6	7709.4	8137.9	8656.9	9111.3	9070.4	9076.9	9051.0	9042.4	10123.4	8928.3
50°	8028.1	8088.4	8581.6	9201.8	9822.0	10093.3	10183.7	10194.5	10054.5	11088.2	9869.3
52.5°	8760.3	8833.5	9255.6	9798.3	10597.2	11167.9	11536.1	11462.9	11247.6	12022.8	10900.8
55°	9623.8	9679.8	10086.8	10648.9	11544.7	12345.8	13220.1	13190.0	12662.4	13006.9	11749.3
57.5°	9705.7	9768.1	10399.1	11260.5	12761.4	13801.6	14721.1	14818.0	14044.9	13704.7	12507.3
60°	8786.1	8913.2	9774.6	10933.1	13226.6	15759.1	16366.3	16385.7	15059.2	14413.1	13433.3
62.5°	7041.8	7102.1	7970.0	9481.7	12509.5	16900.4	18879.4	18470.3	16362.0	15509.3	14899.8
65°	3691.0	3936.5	4692.4	6365.6	10145.0	16502.0	21902.9	21790.9	18705.0	17079.1	16041.2
67.5°	2532.5	2530.3	2709.1	3318.5	6049.1	14208.6	23386.6	24618.4	21414.1	17617.5	15214.2
70°	1927.4	1933.8	2093.2	2489.4	3133.3	9458.0	21758.6	23864.7	21918.0	15995.9	12304.9
72.5°	1279.2	1292.1	1557.0	2011.3	2502.3	4636.4	16909.0	19094.8	18442.3	12847.6	8661.2
75°	764.5	775.2	964.8	1462.2	2224.5	2594.9	10743.6	13200.7	12694.7	8855.1	4642.9
77.5°	314.4	323.0	495.3	910.9	1628.0	2015.6	5941.4	8637.6	7603.9	3520.9	1268.4
80°	131.4	135.7	239.0	637.4	1173.6	1264.1	2752.1	4059.3	3116.1	758.0	387.6
82.5°	47.4	49.5	88.3	351.0	730.0	951.8	1389.0	1604.3	878.6	247.6	208.9
85°	2.2	2.2	21.5	118.4	277.8	269.2	794.6	768.8	290.7	103.4	124.9
87.5°	0.0	0.0	2.2	2.2	4.3	10.8	75.4	133.5	62.5	25.8	53.8
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°	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1	7018.1
2.5°	6972.9	6858.8	6733.9	6617.6	6432.4	6322.6	6186.9	6126.6	6040.5	6018.9	6031.9
5°	6830.8	6634.8	6335.5	6064.2	5713.1	5431.0	5146.8	5026.2	4871.1	4767.8	4724.7
7.5°	6630.5	6374.3	5907.0	5413.8	4931.4	4416.8	4024.8	3766.4	3531.7	3402.5	3376.6
10°	6428.1	6094.3	5424.6	4718.2	3971.0	3355.1	2825.3	2433.4	2114.7	1970.4	1858.4
12.5°	6219.2	5803.6	4933.6	4011.9	3144.1	2304.2	1649.6	1268.4	1040.1	949.7	964.8
15°	6027.6	5523.6	4446.9	3305.6	2213.8	1391.1	910.9	768.8	715.0	697.7	695.6
17.5°	5844.5	5258.8	3962.4	2618.6	1460.0	852.8	697.7	663.3	648.2	639.6	639.6
20°	5678.7	5004.7	3488.6	1972.6	943.2	676.2	631.0	613.7	600.8	594.4	594.4
22.5°	5523.6	4759.2	3025.6	1395.4	695.6	607.3	579.3	562.1	547.0	538.4	538.4
25°	5383.7	4537.4	2584.2	960.4	598.7	555.6	525.4	506.1	480.2	465.1	465.1
27.5°	5282.5	4339.2	2159.9	699.9	540.5	499.6	465.1	439.3	411.3	394.1	389.8
30°	5222.2	4171.3	1731.4	575.0	486.7	445.8	407.0	374.7	342.4	325.2	323.0
32.5°	5187.7	4016.2	1339.5	501.8	441.5	394.1	351.0	316.6	284.3	264.9	262.7
35°	5200.6	3895.6	1003.5	452.2	398.4	348.9	301.5	267.0	239.0	221.8	217.5
37.5°	5312.6	3841.8	753.7	413.5	361.8	310.1	260.6	228.3	202.4	189.5	187.4
40°	5530.1	3852.6	592.2	383.3	331.6	271.3	224.0	193.8	174.4	163.7	161.5
42.5°	5868.2	3943.0	488.8	357.5	299.3	236.9	193.8	170.1	150.7	140.0	137.8
45°	6372.1	4130.3	426.4	327.3	264.9	204.6	168.0	146.4	129.2	116.3	114.1
47.5°	7102.1	4455.5	385.5	299.3	234.7	176.6	144.3	122.7	107.7	96.9	94.8
50°	7879.5	4845.3	351.0	271.3	208.9	152.9	122.7	101.2	88.3	77.5	75.4
52.5°	8708.6	5265.2	325.2	245.5	185.2	131.4	103.4	84.0	71.1	60.3	58.1
55°	9505.4	5687.3	295.0	228.3	157.2	112.0	86.1	68.9	56.0	47.4	47.4
57.5°	10280.6	6074.9	262.7	200.3	129.2	94.8	71.1	56.0	45.2	38.8	36.6
60°	11206.6	6611.1	226.1	170.1	107.7	79.7	58.1	45.2	36.6	30.1	30.1
62.5°	12582.7	7168.9	193.8	142.1	90.4	66.8	47.4	36.6	30.1	25.8	23.7
65°	13032.8	6867.4	163.7	116.3	73.2	53.8	38.8	32.3	25.8	23.7	21.5
67.5°	11831.1	5629.2	135.7	94.8	60.3	45.2	34.5	28.0	23.7	21.5	19.4
70°	9231.9	3994.7	105.5	71.1	49.5	36.6	30.1	25.8	21.5	19.4	19.4
72.5°	6279.5	2362.4	84.0	53.8	40.9	32.3	25.8	23.7	21.5	19.4	17.2
75°	3092.4	839.9	64.6	40.9	32.3	28.0	23.7	21.5	19.4	17.2	17.2
77.5°	833.4	232.6	49.5	32.3	25.8	21.5	21.5	21.5	19.4	15.1	15.1
80°	282.1	96.9	36.6	23.7	21.5	17.2	15.1	19.4	17.2	15.1	12.9
82.5°	155.0	47.4	25.8	19.4	15.1	12.9	12.9	12.9	12.9	10.8	10.8
85°	99.1	25.8	17.2	15.1	15.1	10.8	8.6	8.6	6.5	6.5	6.5
87.5°	45.2	15.1	15.1	12.9	12.9	10.8	6.5	4.3	2.2	2.2	2.2
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)