

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: P639789

Luminaire Tested: GWS-SA5C-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 14302.9 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

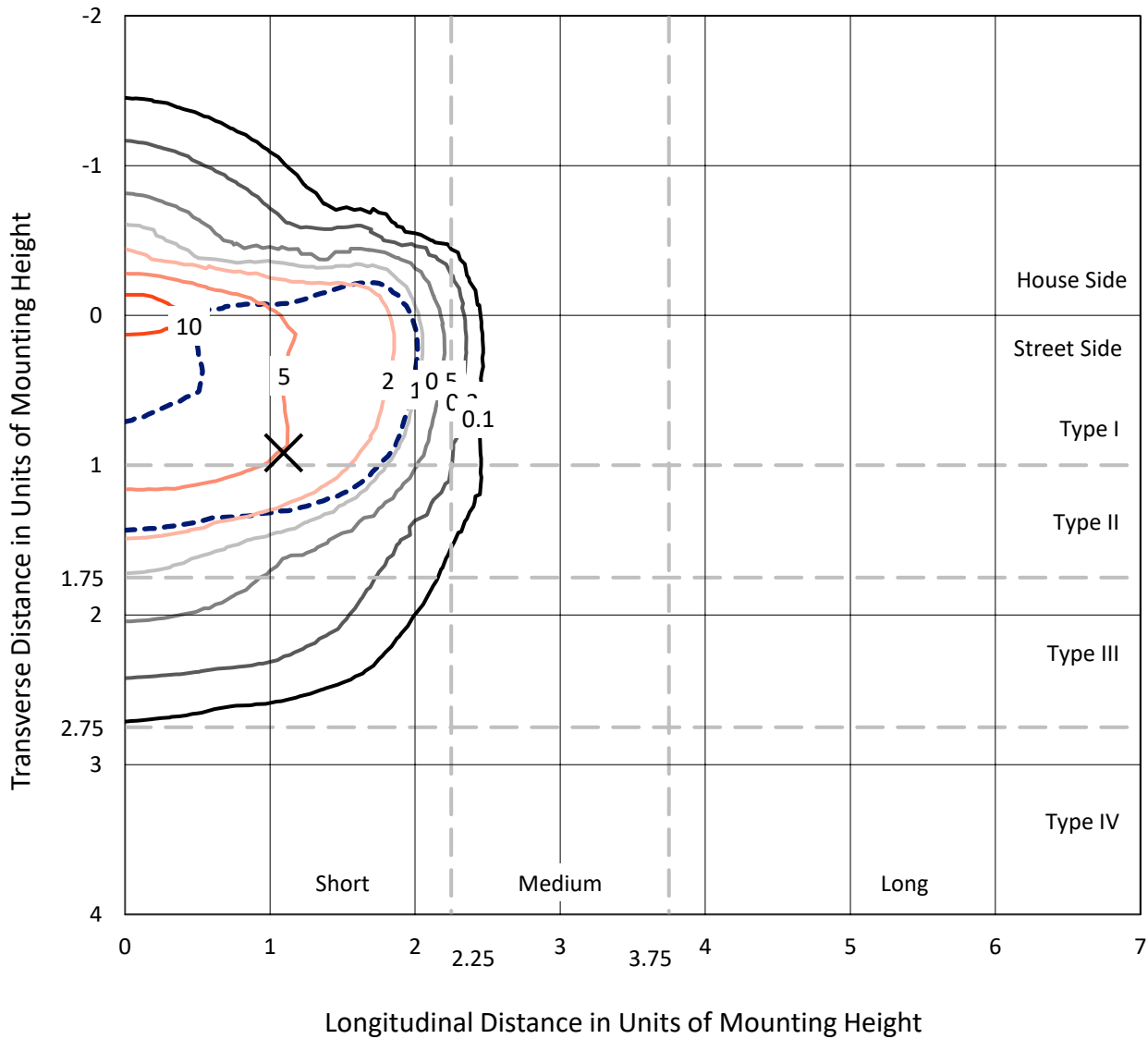
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639789
 CATALOG NUMBER: GWS-SA5C-750-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

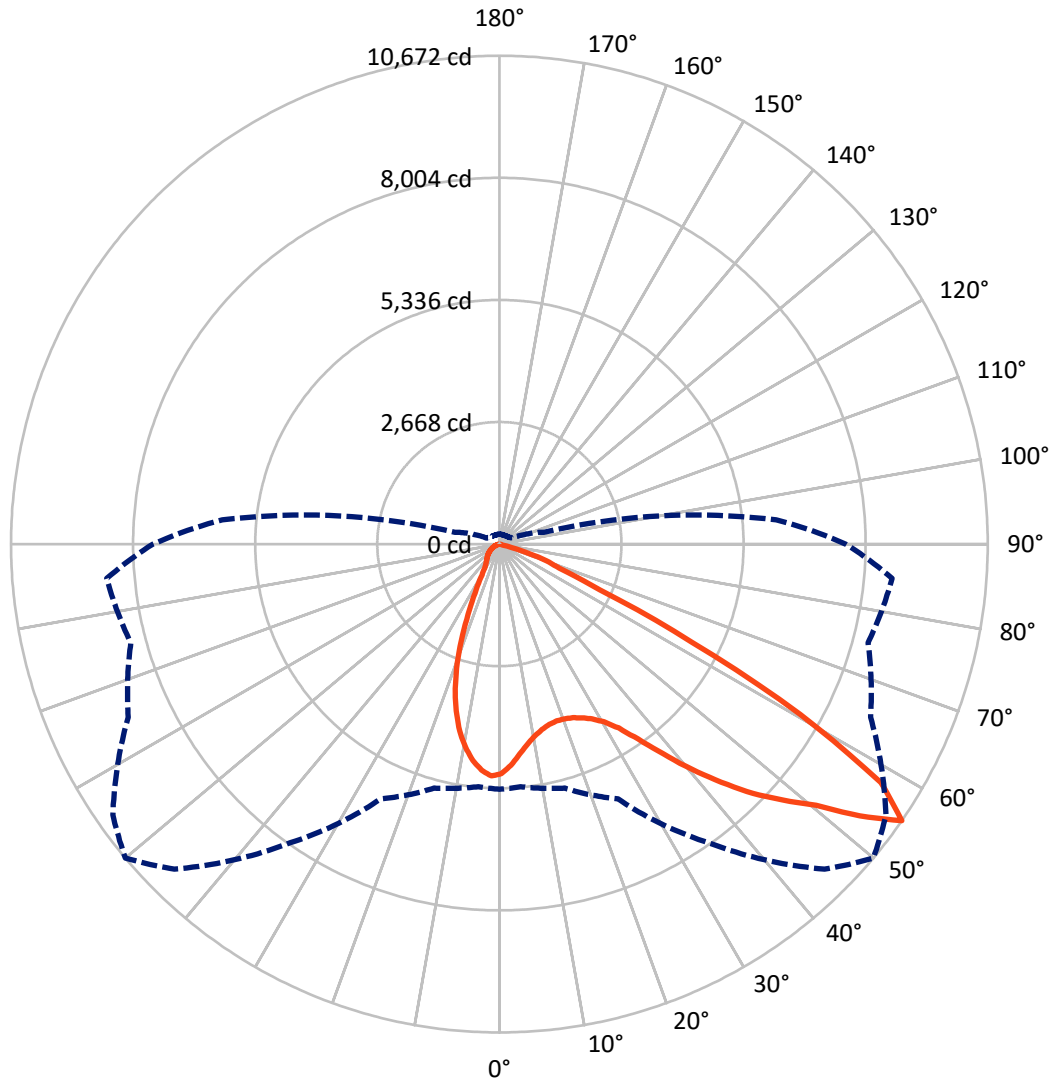
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Short - N/A

REPORT NUMBER: P639789
CATALOG NUMBER: GWS-SA5C-750-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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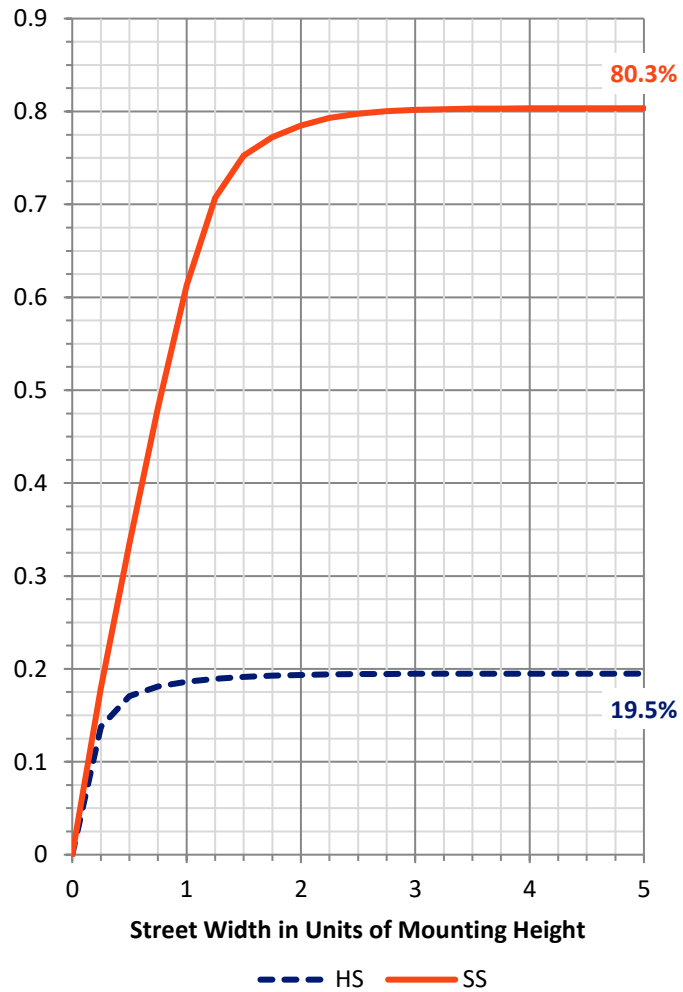
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2818.3	0.0	2818.3
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	11484.6	0.0	11484.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	14302.9	0.0	14302.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.7	3.1
10°-20°	1084.5	7.6
20°-30°	1529.7	10.7
30°-40°	2263.7	15.8
40°-50°	3265.8	22.8
50°-60°	3852.2	26.9
60°-70°	1718.4	12.0
70°-80°	147.7	1.0
80°-90°	0.1	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°	14302.9	100.0
0°-180°	14302.9	100.0

Coefficient of Utilization



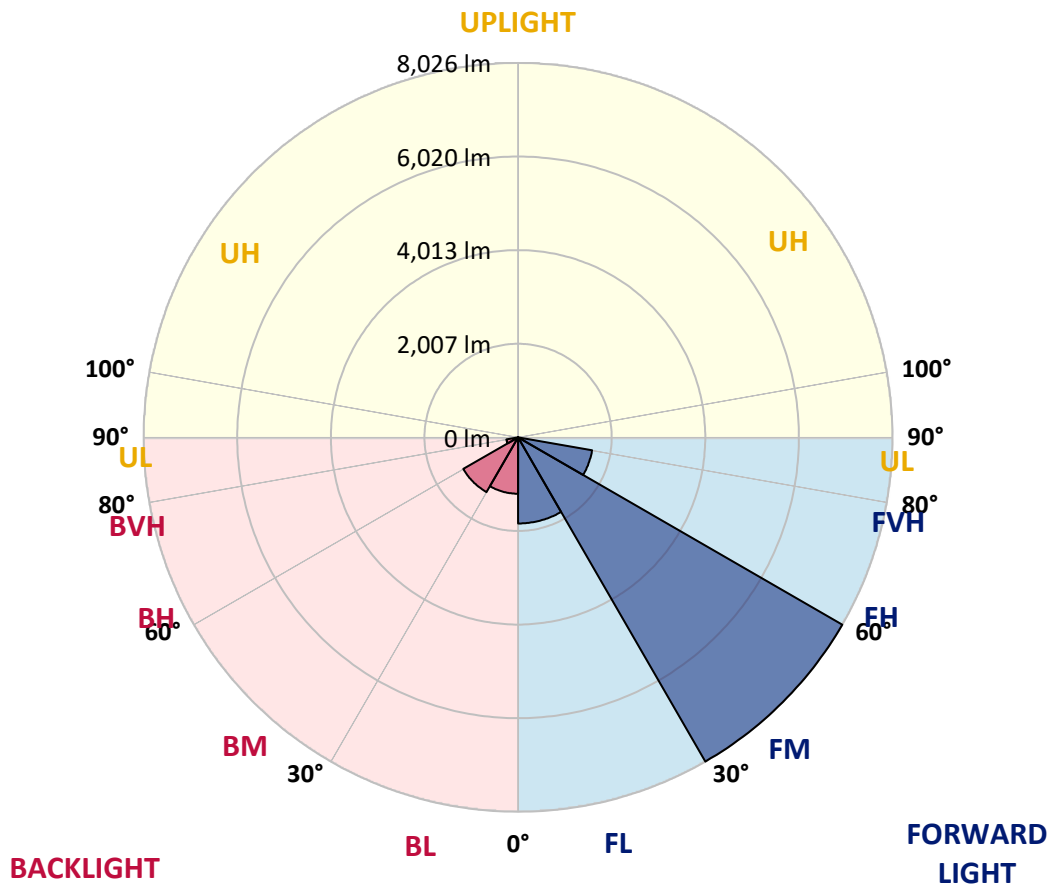
REPORT NUMBER: P639789

CATALOG NUMBER: GWS-SA5C-750-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1846.6	12.9			
FM (30°-60°)	8026.3	56.1			
FH (60°-80°)	1611.7	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1208.4	8.4	B3/2500		
BM (30°-60°)	1355.4	9.5	B2/2500		
BH (60°-80°)	254.5	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3
2.5°	4662.1	4665.5	4667.3	4714.4	4731.9	4801.7	4838.4	4857.6	4908.2	4967.6	5016.5
5°	4349.5	4344.3	4353.0	4412.4	4450.8	4553.8	4609.7	4648.1	4759.8	4899.5	5016.5
7.5°	4077.1	4087.6	4098.1	4162.7	4220.3	4332.0	4412.4	4470.0	4625.4	4833.2	5030.5
10°	3885.0	3885.0	3900.8	3974.1	4042.2	4180.1	4260.5	4333.8	4518.9	4773.8	5046.2
12.5°	3743.6	3745.4	3764.6	3848.4	3926.9	4070.1	4153.9	4225.5	4429.8	4714.4	5049.7
15°	3677.3	3672.0	3687.7	3776.8	3864.1	3998.5	4085.8	4155.7	4367.0	4681.3	5067.1
17.5°	3659.8	3656.3	3668.5	3755.8	3844.9	3975.8	4061.4	4131.2	4358.2	4691.7	5119.5
20°	3710.4	3703.4	3698.2	3773.3	3857.1	3986.3	4075.4	4153.9	4400.1	4749.4	5199.8
22.5°	3830.9	3830.9	3818.7	3855.4	3911.2	4028.2	4120.8	4223.8	4510.1	4864.6	5318.6
25°	4052.7	4035.2	4012.5	4028.2	4021.2	4094.6	4204.6	4347.8	4717.9	5054.9	5463.5
27.5°	4305.8	4321.6	4283.2	4284.9	4223.8	4197.6	4325.1	4541.6	5027.0	5323.8	5678.3
30°	4649.8	4637.6	4639.4	4634.1	4492.7	4368.7	4506.6	4794.8	5416.4	5734.1	5957.6
32.5°	4918.7	4936.2	4993.8	5027.0	4841.9	4642.8	4789.5	5138.7	5859.9	6202.1	6299.9
35°	5203.3	5234.8	5351.8	5460.0	5304.6	5075.9	5233.0	5594.5	6277.2	6664.8	6692.7
37.5°	5503.7	5566.5	5706.2	5896.5	5872.1	5669.5	5812.7	6130.5	6605.4	6944.2	7017.5
40°	5847.6	5908.8	6137.5	6411.6	6469.3	6423.9	6471.0	6656.1	6822.0	6956.4	7157.2
42.5°	6224.8	6308.6	6598.5	6965.1	7181.7	7221.8	7111.8	7092.6	6916.2	6816.7	7127.5
45°	6670.1	6767.8	7096.1	7571.0	7915.0	7969.1	7778.8	7532.6	6975.6	6713.7	7038.5
47.5°	7169.4	7262.0	7588.5	8159.5	8671.1	8692.0	8360.3	7963.9	7152.0	6832.4	7106.6
50°	7337.1	7394.7	7677.5	8348.0	9290.9	9451.6	8971.4	8449.3	7506.4	7181.7	7438.3
52.5°	6760.8	6783.5	7029.7	7707.2	9165.2	10197.1	9863.6	9173.9	8136.8	7714.2	7949.9
55°	5357.0	5320.3	5519.4	6141.0	7965.6	10045.2	10672.1	10312.4	8948.7	8339.3	8615.2
57.5°	3747.1	3703.4	3658.1	4078.9	5943.7	8515.7	9834.0	10471.3	9722.2	8959.2	9332.8
60°	3080.1	3038.2	2818.2	2624.4	3593.4	6114.8	7553.6	8753.1	9659.4	8927.7	9310.1
62.5°	2661.0	2636.6	2547.5	2283.9	2114.5	3490.4	4730.1	5879.1	7412.1	7010.5	7031.5
65°	2090.1	2083.1	2144.2	2172.1	1870.1	1931.2	2413.1	3055.7	4007.3	3778.5	3583.0
67.5°	1428.3	1412.6	1527.8	1878.8	1798.5	1524.3	1412.6	1424.8	1733.9	1059.9	841.6
70°	908.0	871.3	873.0	1164.6	1463.2	1203.1	1089.6	958.6	862.6	157.1	178.1
72.5°	581.4	558.7	480.2	525.6	677.5	586.7	591.9	509.9	340.5	83.8	97.8
75°	244.5	225.2	172.9	137.9	136.2	85.6	75.1	69.8	47.1	47.1	50.6
77.5°	1.7	0.0	0.0	1.7	3.5	1.7	1.7	3.5	7.0	10.5	12.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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



REPORT NUMBER: P639789

CATALOG NUMBER: GWS-SA5C-750-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3
2.5°	5046.2	5004.3	5051.4	5068.9	5067.1	5068.9	5018.3	4983.3	4981.6	4937.9	4917.0
5°	5065.4	5032.2	5067.1	5044.4	4990.3	4922.2	4831.4	4752.8	4717.9	4667.3	4642.8
7.5°	5102.1	5067.1	5061.9	4971.1	4836.7	4693.5	4532.8	4389.7	4312.8	4220.3	4225.5
10°	5128.3	5088.1	5020.0	4834.9	4611.4	4382.7	4143.5	3930.4	3796.0	3672.0	3651.1
12.5°	5138.7	5079.4	4920.5	4641.1	4326.8	4028.2	3677.3	3373.4	3163.9	3001.5	2978.8
15°	5157.9	5061.9	4793.0	4407.1	3975.8	3553.3	3106.3	2690.7	2413.1	2226.3	2242.0
17.5°	5187.6	5042.7	4649.8	4145.2	3598.7	3001.5	2397.4	1920.7	1665.8	1557.5	1559.3
20°	5229.5	5020.0	4492.7	3857.1	3146.4	2378.2	1676.2	1316.5	1245.0	1241.5	1236.2
22.5°	5285.4	4997.3	4325.1	3541.1	2610.4	1665.8	1115.7	1004.0	1033.7	1091.3	1101.8
25°	5351.8	4969.4	4138.2	3184.9	2025.5	1093.1	836.4	818.9	890.5	967.3	984.8
27.5°	5454.8	4955.4	3925.2	2779.8	1421.3	784.0	684.5	694.9	759.5	824.2	839.9
30°	5629.4	4981.6	3693.0	2325.8	913.2	625.1	593.7	609.4	644.3	677.5	691.5
32.5°	5866.9	5058.4	3467.7	1829.9	651.3	543.0	536.0	544.8	558.7	578.0	583.2
35°	6144.5	5191.1	3235.5	1309.6	537.8	495.9	488.9	488.9	495.9	499.4	501.1
37.5°	6373.2	5330.8	3017.2	871.3	481.9	459.2	448.7	443.5	441.8	445.3	447.0
40°	6472.7	5388.4	2779.8	633.8	441.8	426.0	410.3	394.6	394.6	406.8	408.6
42.5°	6402.9	5323.8	2505.6	523.8	413.8	391.1	366.7	352.7	359.7	371.9	375.4
45°	6254.5	5164.9	2203.6	462.7	385.9	356.2	328.3	319.5	326.5	342.2	345.7
47.5°	6230.0	5060.2	1842.1	422.6	356.2	326.5	296.8	288.1	296.8	309.1	312.5
50°	6472.7	5151.0	1440.5	387.6	328.3	295.1	270.6	261.9	267.2	274.1	277.6
52.5°	6916.2	5487.9	1162.9	354.5	295.1	263.7	247.9	237.5	237.5	244.5	246.2
55°	7571.0	6076.4	1004.0	316.0	256.7	239.2	225.2	214.8	214.8	218.3	220.0
57.5°	8325.3	6788.8	1040.7	265.4	225.2	216.5	204.3	195.6	199.1	199.1	199.1
60°	8220.6	6736.4	1114.0	223.5	199.1	195.6	185.1	181.6	190.3	183.3	179.8
62.5°	6055.4	4653.3	583.2	183.3	171.1	167.6	160.6	167.6	179.8	160.6	153.7
65°	2940.4	2252.5	234.0	150.2	144.9	141.4	137.9	148.4	155.4	125.7	118.7
67.5°	691.5	562.2	151.9	127.5	120.5	113.5	117.0	118.7	113.5	85.6	82.1
70°	179.8	176.4	118.7	106.5	96.0	89.1	89.1	87.3	75.1	54.1	50.6
72.5°	97.8	96.0	85.6	80.3	66.4	59.4	61.1	54.1	41.9	31.4	29.7
75°	48.9	52.4	48.9	45.4	36.7	33.2	33.2	29.7	21.0	12.2	12.2
77.5°	10.5	12.2	12.2	10.5	8.7	7.0	7.0	8.7	3.5	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	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)