

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: P635327

Luminaire Tested: GWS-SA3D-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13557.7 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

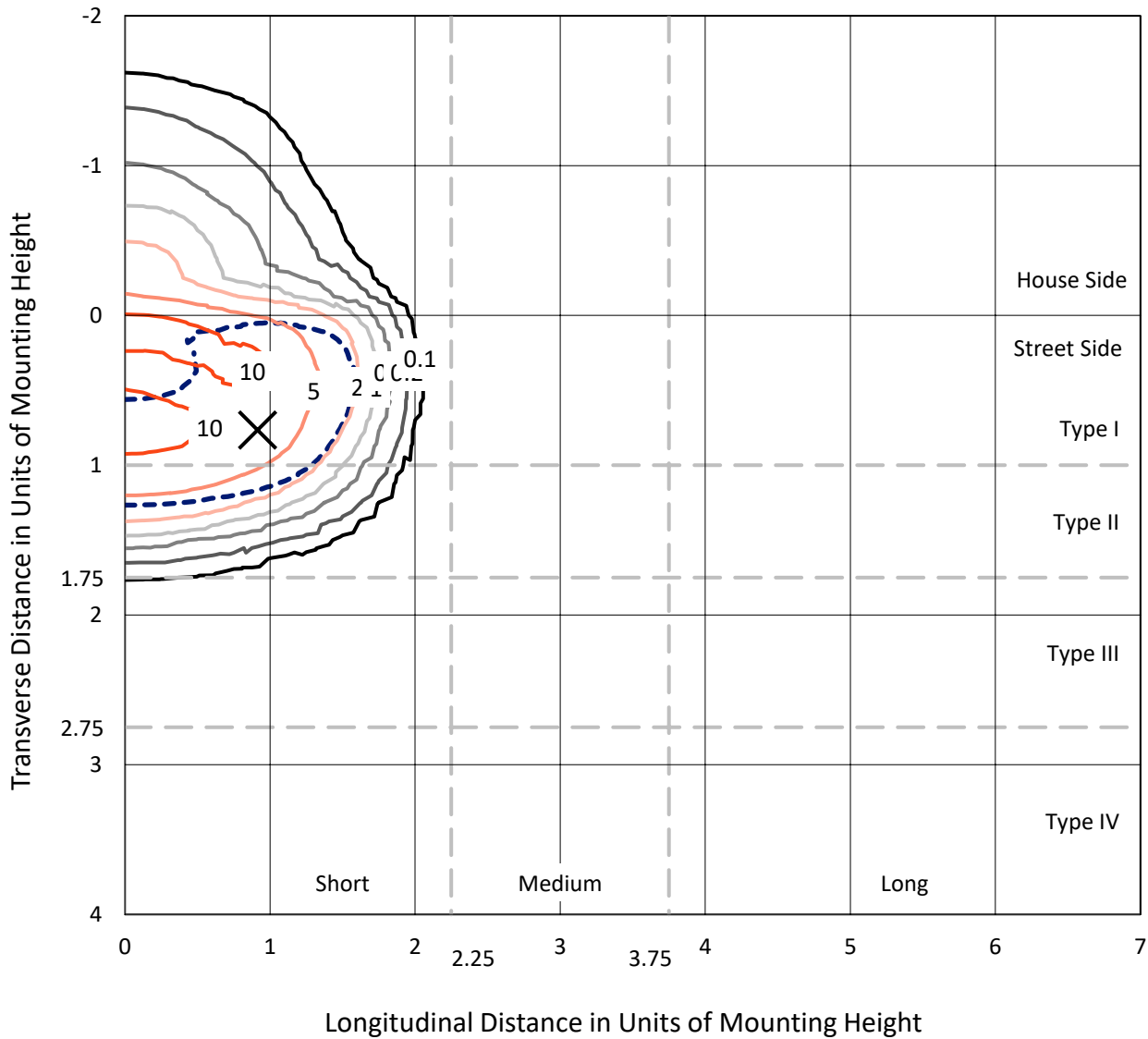
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

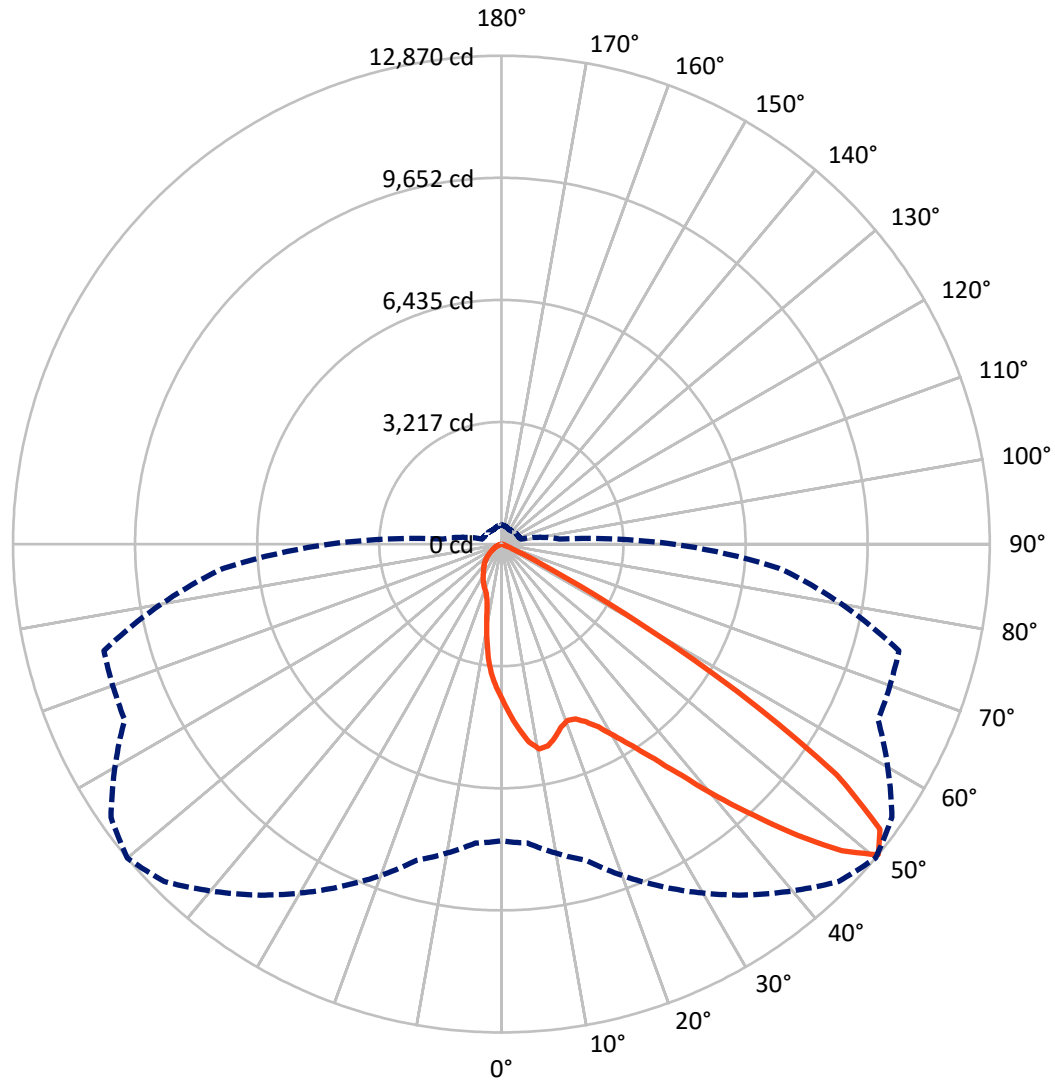
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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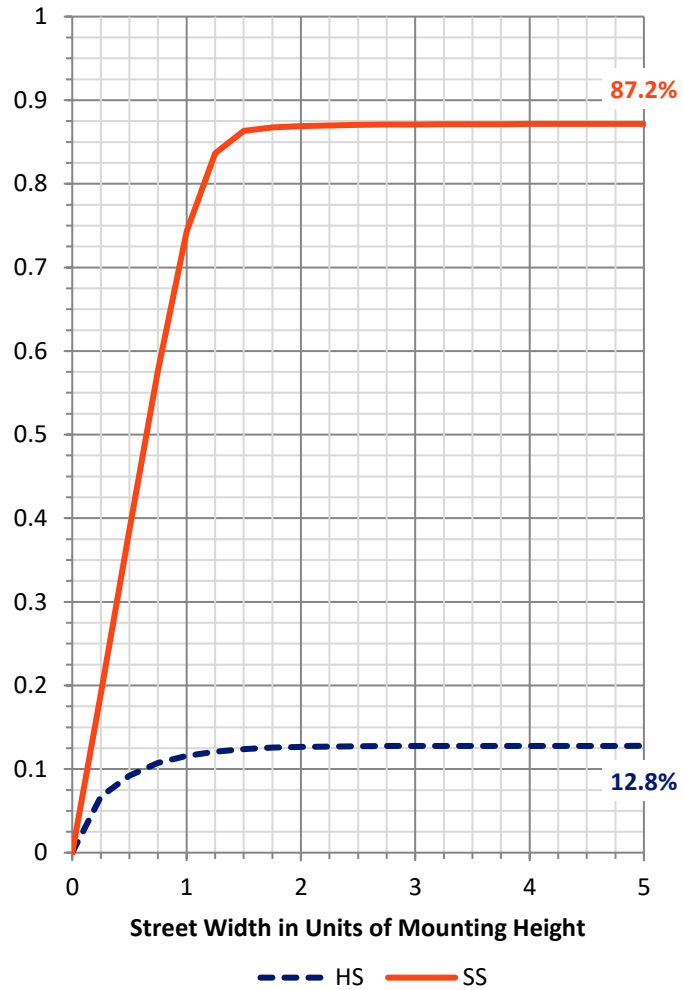
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1742.0	0.0	1742.0
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	11815.8	0.0	11815.8
	% Fixture	87.2	0.0	87.2
Total	Lumens	13557.7	0.0	13557.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.0	2.8
10°-20°	983.1	7.3
20°-30°	1622.4	12.0
30°-40°	2677.4	19.7
40°-50°	4236.2	31.2
50°-60°	3207.3	23.7
60°-70°	401.4	3.0
70°-80°	45.4	0.3
80°-90°	3.5	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°	13557.7	100.0
0°-180°	13557.7	100.0

Coefficient of Utilization



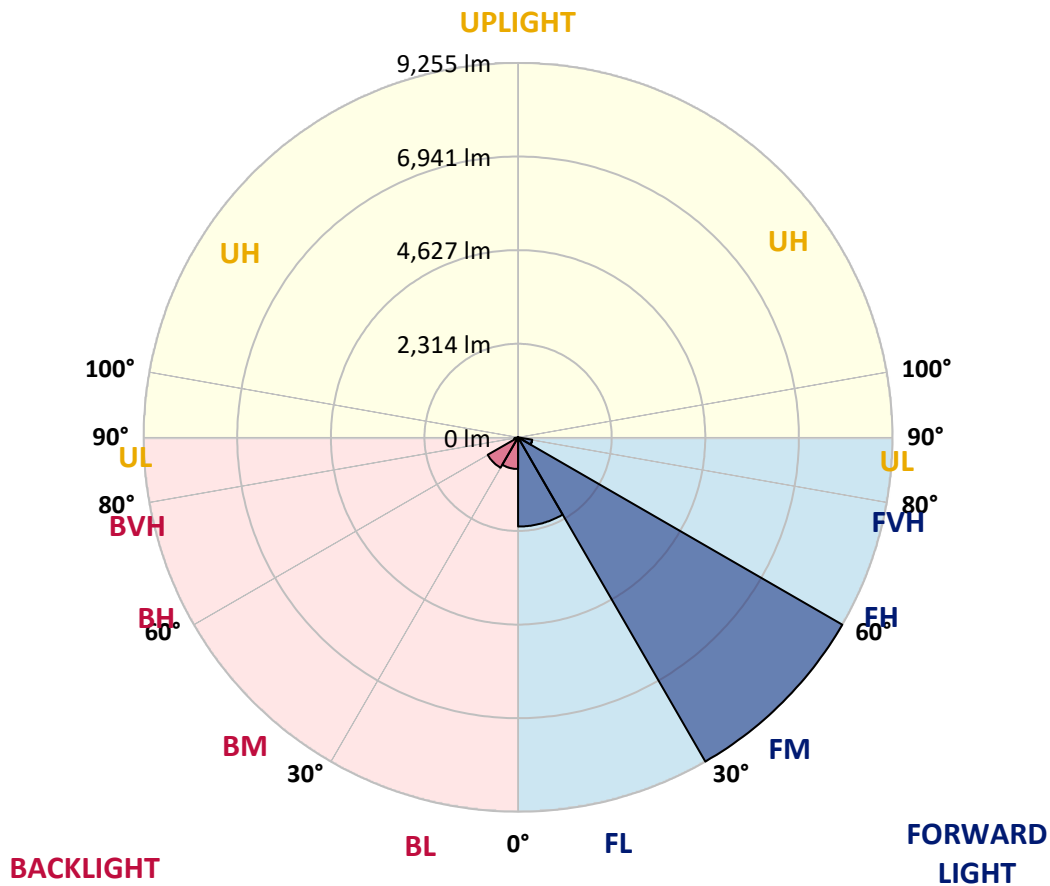
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2204.7	16.3			
FM (30°-60°)	9254.6	68.3			
FH (60°-80°)	354.9	2.6			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	781.9	5.8	B2/1000		
BM (30°-60°)	866.3	6.4	B1/1000		
BH (60°-80°)	91.9	0.7	B0/110		G0/110
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: B2-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4
2.5°	4680.4	4717.8	4707.5	4658.5	4605.6	4568.1	4510.1	4492.0	4360.4	4268.7	4172.0
5°	5245.6	5257.2	5244.3	5185.0	5092.0	5003.0	4907.5	4852.0	4631.4	4432.6	4230.0
7.5°	5381.1	5366.9	5391.4	5421.1	5408.2	5369.5	5268.8	5208.2	4944.9	4621.0	4313.9
10°	4957.8	4925.6	5017.2	5170.8	5332.1	5514.0	5488.2	5493.4	5250.8	4858.5	4423.6
12.5°	4396.5	4383.6	4452.0	4630.1	4946.2	5359.2	5458.5	5625.0	5530.8	5115.3	4548.8
15°	4150.0	4156.5	4197.8	4310.0	4537.2	5050.7	5289.5	5590.2	5781.1	5364.3	4686.8
17.5°	4187.5	4210.7	4209.4	4246.8	4384.9	4796.5	5075.3	5480.5	5974.7	5650.8	4845.6
20°	4441.7	4464.9	4430.1	4401.7	4448.1	4732.0	4963.0	5369.5	6105.0	5939.9	5013.3
22.5°	4822.3	4849.4	4766.9	4685.6	4655.9	4837.8	5005.6	5324.3	6204.4	6204.4	5163.0
25°	5283.0	5320.4	5192.7	5048.2	4965.6	5061.1	5187.5	5426.3	6306.3	6441.8	5265.0
27.5°	5797.9	5799.2	5689.5	5526.9	5372.1	5383.7	5459.8	5656.0	6418.6	6697.3	5345.0
30°	6377.3	6381.2	6235.4	6040.5	5845.7	5792.7	5857.3	6005.7	6652.2	7018.7	5455.9
32.5°	7125.8	7143.8	6934.8	6648.3	6395.4	6296.0	6333.4	6489.6	7023.8	7421.3	5622.4
35°	8137.5	8156.8	7848.4	7470.3	7067.7	6918.0	6955.4	7112.9	7561.9	7992.9	5888.2
37.5°	9136.3	9162.1	8849.8	8497.5	7945.2	7697.4	7736.1	7885.8	8369.7	8782.7	6314.1
40°	9826.6	9861.5	9764.7	9527.3	9015.0	8689.8	8736.2	8790.4	9258.8	9727.3	6866.4
42.5°	10190.5	10239.6	10280.9	10402.2	10132.5	9860.2	9781.5	9785.3	10163.4	10689.9	7440.6
45°	10212.5	10260.2	10471.9	10940.3	11145.5	11088.7	10945.4	10848.7	10853.8	11331.3	7799.4
47.5°	9502.7	9591.8	9987.9	10905.4	11677.1	12148.1	12075.9	11846.2	11144.2	11373.9	7760.7
50°	7821.3	7909.1	8629.1	9949.2	11290.0	12571.4	12869.5	12561.1	10954.5	10843.5	7361.9
52.5°	5680.5	5689.5	6156.6	7698.7	9720.8	11790.7	12492.7	12463.0	10665.4	10200.9	6817.4
55°	2698.3	2666.0	3191.2	4344.9	6723.1	9536.3	10719.6	11055.1	10255.1	9736.3	6395.4
57.5°	785.9	801.4	1034.9	1695.6	3362.9	6094.7	7341.3	7965.8	8417.5	8004.5	4960.4
60°	352.3	353.6	393.6	516.2	1120.1	2835.1	3795.2	4568.1	5032.7	4663.6	2460.9
62.5°	255.5	256.8	272.3	291.6	380.7	960.1	1423.3	1896.9	1931.8	1264.6	623.3
65°	212.9	212.9	215.5	215.5	228.4	343.3	432.3	557.5	469.7	348.4	243.9
67.5°	171.6	172.9	175.5	175.5	171.6	171.6	185.8	203.9	218.1	269.7	224.5
70°	134.2	132.9	132.9	134.2	130.3	111.0	120.0	136.8	149.7	210.3	194.9
72.5°	104.5	105.8	104.5	99.4	90.3	65.8	71.0	89.0	95.5	131.6	131.6
75°	78.7	80.0	74.8	56.8	37.4	20.6	27.1	43.9	55.5	64.5	47.7
77.5°	10.3	10.3	7.7	7.7	6.5	7.7	7.7	10.3	15.5	15.5	11.6
80°	1.3	1.3	1.3	2.6	3.9	5.2	5.2	5.2	5.2	6.5	6.5
82.5°	1.3	1.3	1.3	1.3	3.9	3.9	5.2	5.2	5.2	5.2	5.2
85°	0.0	0.0	0.0	1.3	2.6	3.9	3.9	5.2	5.2	5.2	5.2
87.5°	0.0	0.0	0.0	1.3	2.6	3.9	3.9	3.9	5.2	5.2	5.2
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°	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4	4107.4
2.5°	4113.9	4039.1	3948.7	3886.8	3799.0	3741.0	3658.4	3602.9	3555.1	3517.7	3538.4
5°	4115.2	3996.5	3811.9	3654.5	3482.9	3325.4	3156.4	3023.5	2903.5	2849.3	2879.0
7.5°	4141.0	3970.7	3688.1	3408.0	3079.0	2753.8	2449.2	2201.5	2078.9	2020.8	2038.9
10°	4191.3	3959.0	3550.0	3085.4	2551.2	2107.3	1811.8	1644.0	1575.6	1539.5	1545.9
12.5°	4237.8	3951.3	3370.6	2660.9	2013.1	1635.0	1481.4	1458.2	1472.4	1473.7	1472.4
15°	4301.0	3937.1	3148.7	2224.7	1610.5	1413.0	1416.9	1450.4	1484.0	1494.3	1491.7
17.5°	4368.1	3915.2	2862.2	1806.6	1366.6	1348.5	1393.7	1438.8	1472.4	1477.5	1478.8
20°	4437.8	3870.0	2535.7	1475.0	1253.0	1299.5	1349.8	1383.3	1407.9	1415.6	1418.2
22.5°	4470.1	3774.5	2158.9	1237.5	1176.9	1238.8	1276.2	1320.1	1327.9	1299.5	1304.6
25°	4453.3	3613.2	1791.1	1077.5	1100.7	1162.7	1218.2	1196.2	1164.0	1143.3	1149.8
27.5°	4400.4	3399.0	1431.1	960.1	1019.4	1098.2	1104.6	1080.1	1074.9	1058.2	1063.3
30°	4343.6	3152.5	1151.1	865.9	936.9	1019.4	1000.1	1009.1	1010.4	991.1	997.5
32.5°	4308.8	2894.4	916.2	802.6	883.9	899.4	938.1	956.2	957.5	912.3	920.1
35°	4320.4	2640.2	775.5	751.0	834.9	831.0	885.2	895.6	820.7	758.8	765.2
37.5°	4414.6	2405.4	695.5	711.0	749.7	779.4	820.7	752.3	735.5	707.2	711.0
40°	4590.1	2205.3	647.8	686.5	691.7	739.4	676.2	685.2	686.5	668.4	672.3
42.5°	4795.2	2038.9	619.4	672.3	659.4	667.2	603.9	622.0	641.3	633.6	634.9
45°	4898.5	1876.3	594.9	623.3	627.1	553.6	539.4	558.8	583.3	587.1	588.4
47.5°	4806.9	1721.4	569.1	552.3	578.1	504.6	487.8	494.2	522.6	538.1	540.7
50°	4526.8	1543.4	530.4	489.1	474.9	452.9	437.5	438.7	471.0	498.1	503.3
52.5°	4133.3	1357.5	467.1	414.2	382.0	398.7	402.6	394.9	424.6	451.7	456.8
55°	3751.3	1125.3	370.4	336.8	307.1	343.3	353.6	343.3	352.3	370.4	371.6
57.5°	2641.5	636.2	283.9	278.7	254.2	294.2	311.0	295.5	280.0	291.6	294.2
60°	1224.6	332.9	218.1	218.1	211.6	252.9	281.3	259.4	229.7	234.9	238.7
62.5°	383.3	210.3	160.0	151.0	172.9	215.5	238.7	216.8	182.0	182.0	187.1
65°	216.8	180.7	126.5	116.1	140.7	172.9	187.1	163.9	132.9	130.3	130.3
67.5°	201.3	171.6	112.3	94.2	99.4	111.0	116.1	100.7	91.6	90.3	91.6
70°	166.5	143.2	90.3	64.5	60.7	59.4	61.9	58.1	55.5	56.8	60.7
72.5°	103.2	86.5	56.8	38.7	33.6	32.3	32.3	32.3	31.0	31.0	31.0
75°	37.4	32.3	25.8	19.4	16.8	15.5	15.5	16.8	15.5	14.2	12.9
77.5°	11.6	10.3	10.3	10.3	9.0	7.7	6.5	6.5	5.2	3.9	3.9
80°	6.5	6.5	6.5	6.5	5.2	5.2	3.9	2.6	1.3	1.3	0.0
82.5°	6.5	6.5	6.5	5.2	5.2	5.2	3.9	2.6	1.3	0.0	0.0
85°	5.2	5.2	5.2	5.2	5.2	5.2	3.9	2.6	1.3	0.0	0.0
87.5°	5.2	5.2	5.2	5.2	5.2	5.2	3.9	2.6	1.3	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)