

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: P641489

Luminaire Tested: GWS-SA6B-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13078.4 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

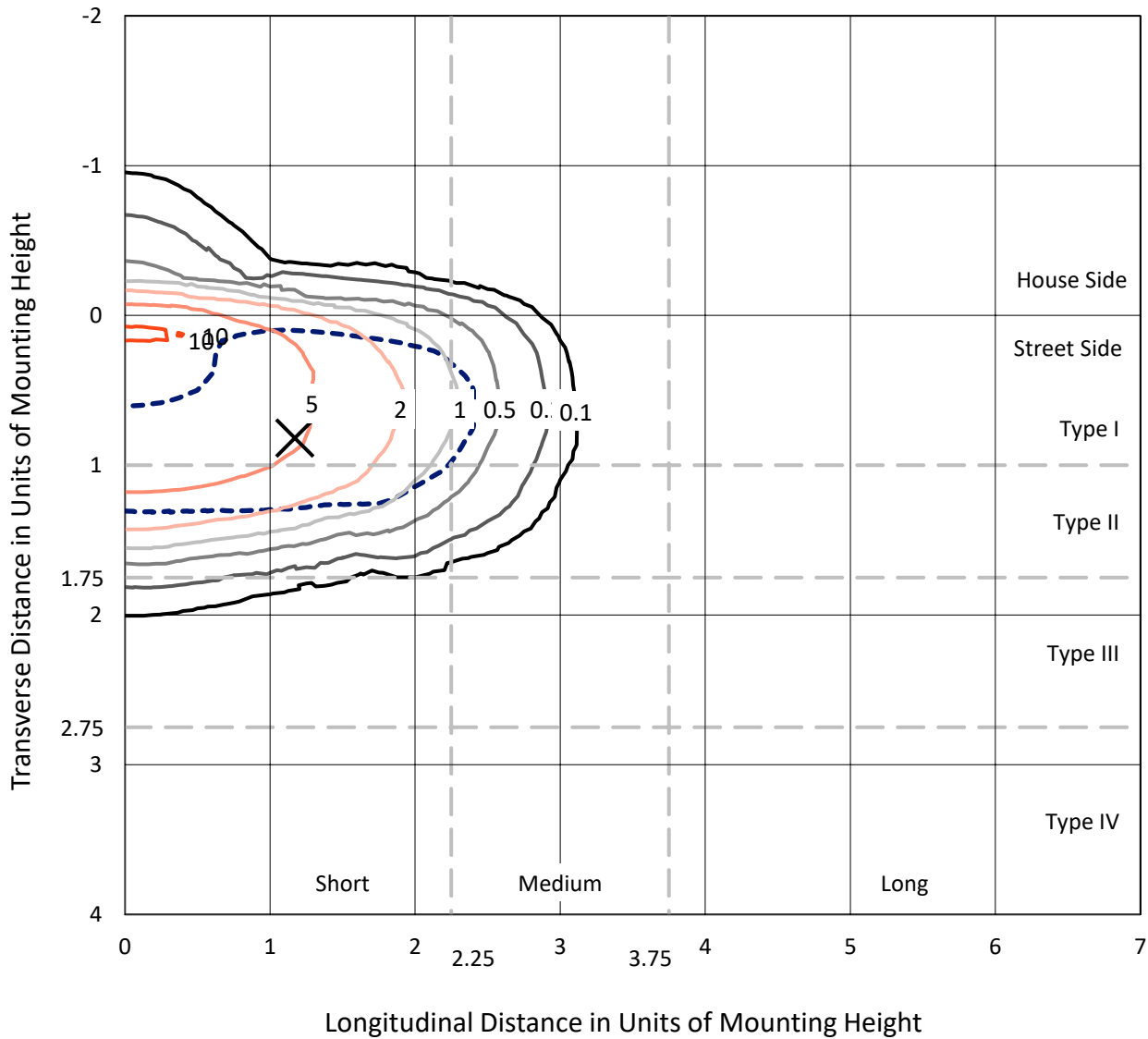
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

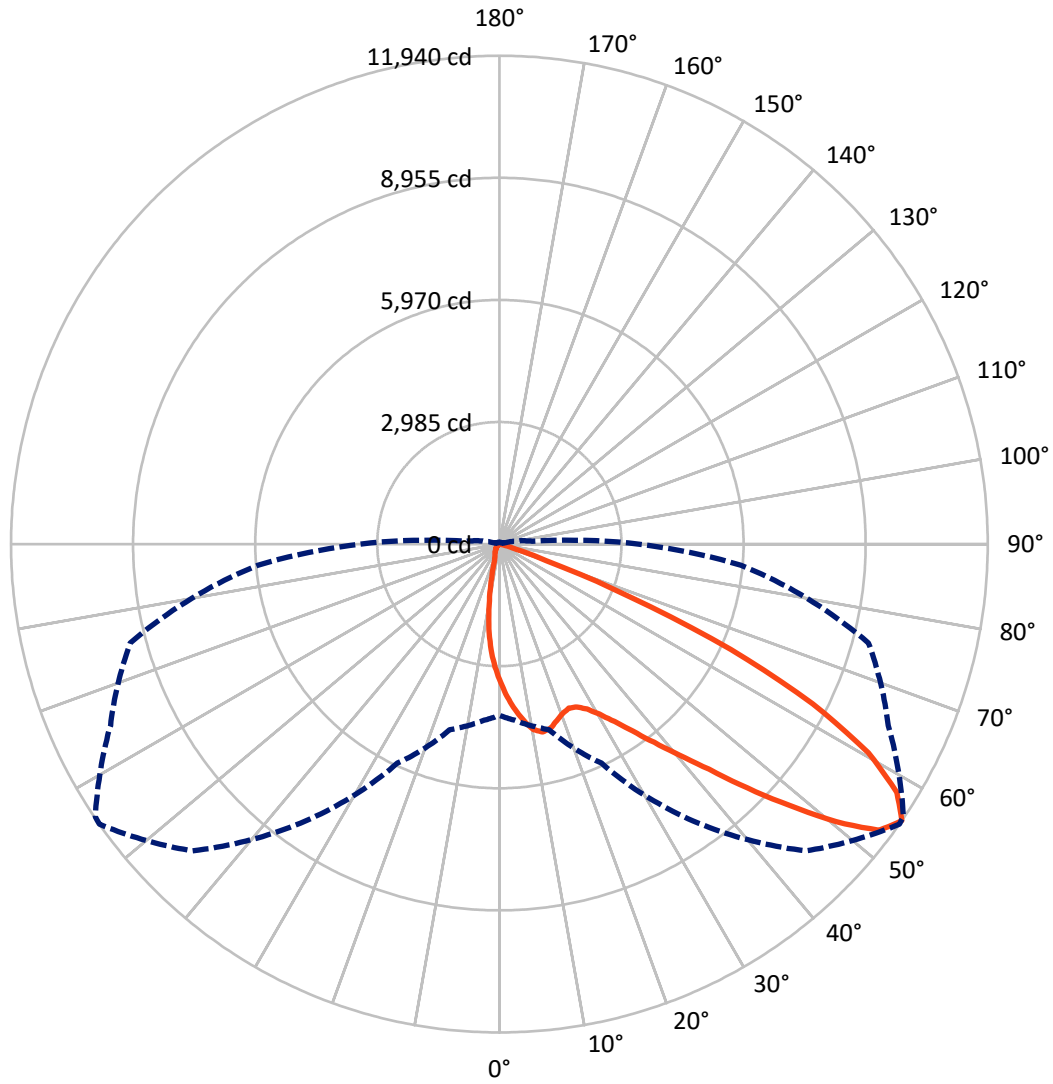
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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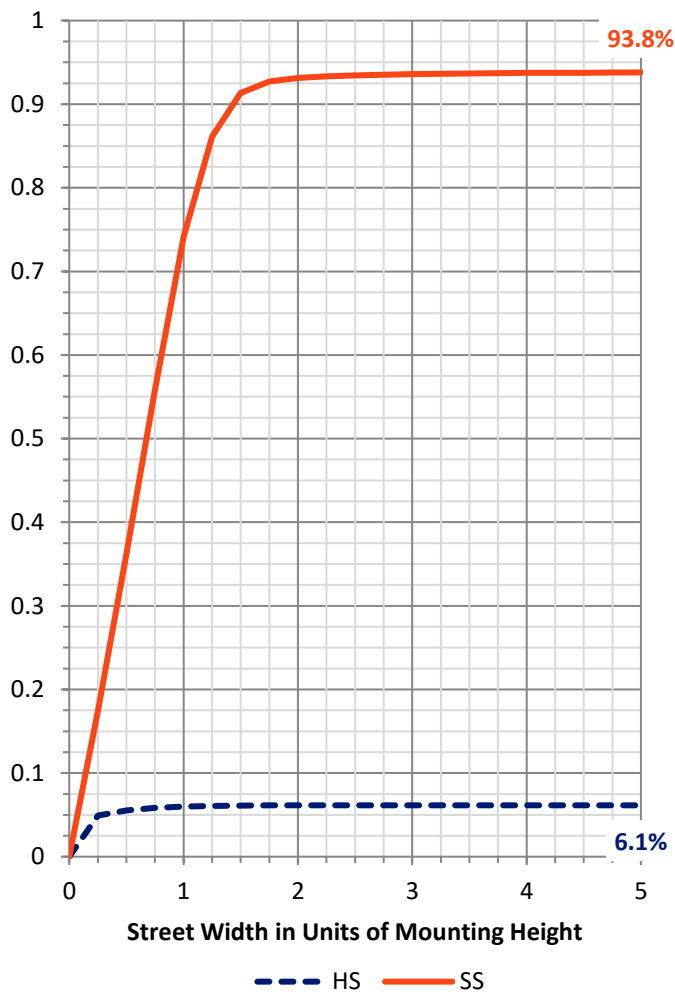
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	807.0	0.0	807.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	12271.4	0.0	12271.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	13078.4	0.0	13078.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.6	2.3
10°-20°	719.9	5.5
20°-30°	1198.9	9.2
30°-40°	2043.0	15.6
40°-50°	3334.8	25.5
50°-60°	3491.4	26.7
60°-70°	1761.0	13.5
70°-80°	222.4	1.7
80°-90°	8.4	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°	13078.4	100.0
0°-180°	13078.4	100.0

Coefficient of Utilization



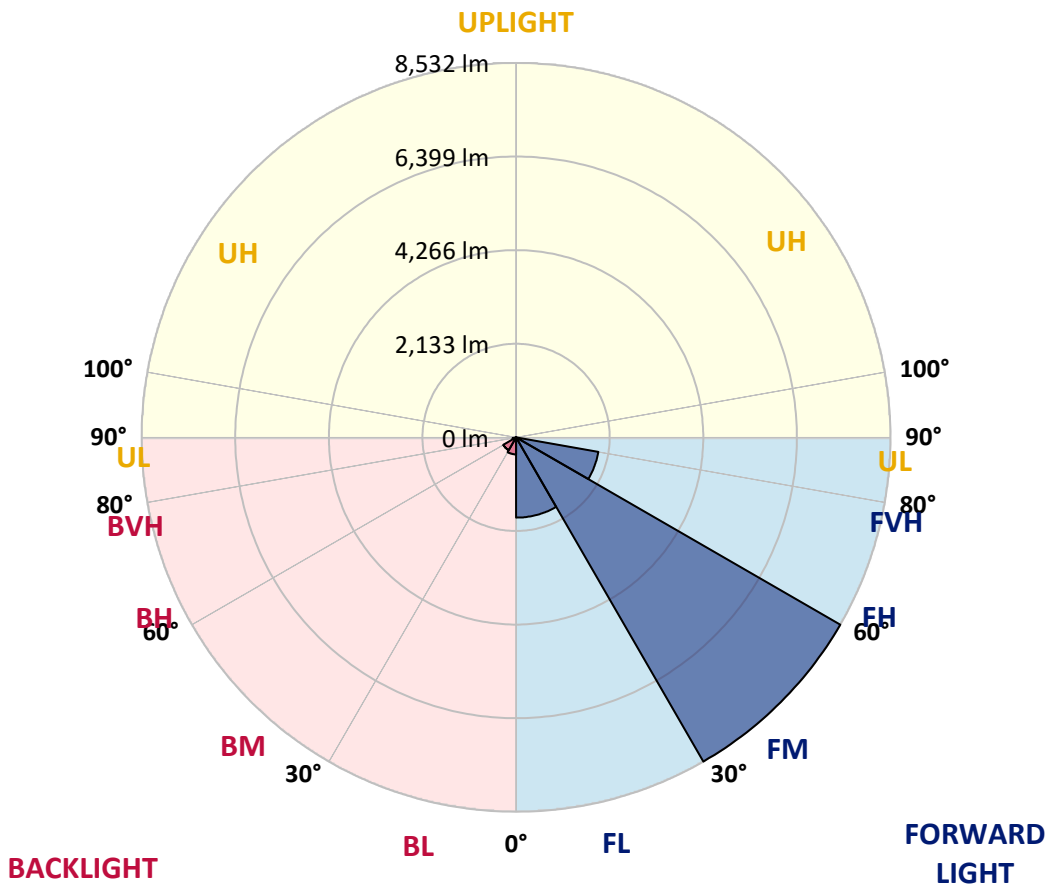
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1829.5	14.0			
FM (30°-60°)	8531.8	65.2			
FH (60°-80°)	1902.5	14.5			G2/5000
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	387.9	3.0	B1/500		
BM (30°-60°)	337.4	2.6	B1/1000		
BH (60°-80°)	81.0	0.6	B0/110		G0/110
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°	56°	65°	75°	85°
0°	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7
2.5°	3938.8	3919.8	3948.9	3915.3	3858.3	3810.3	3747.6	3725.3	3624.7	3529.6	3437.9
5°	4417.3	4422.9	4414.0	4367.0	4286.5	4197.1	4070.8	4042.8	3867.3	3686.2	3490.5
7.5°	4535.9	4532.5	4551.5	4569.4	4556.0	4511.3	4373.7	4345.8	4127.8	3856.1	3571.0
10°	4170.3	4172.5	4211.6	4332.4	4482.2	4637.6	4616.4	4600.7	4387.2	4048.4	3660.4
12.5°	3653.7	3673.9	3715.2	3887.4	4141.2	4494.5	4713.6	4729.3	4625.3	4259.7	3765.5
15°	3430.1	3434.6	3468.1	3572.1	3761.1	4197.1	4672.3	4715.9	4824.3	4472.1	3879.6
17.5°	3424.5	3430.1	3444.7	3490.5	3613.5	3963.4	4539.2	4615.2	4974.1	4700.2	4016.0
20°	3634.7	3631.4	3621.3	3596.7	3650.4	3886.3	4416.2	4500.1	5055.7	4922.7	4153.5
22.5°	4016.0	4011.5	3966.8	3865.0	3821.4	3956.7	4355.9	4431.9	5104.9	5120.6	4266.4
25°	4455.4	4486.7	4402.8	4248.5	4141.2	4136.7	4409.5	4463.2	5147.4	5296.1	4343.6
27.5°	4937.2	4947.3	4875.7	4702.4	4547.0	4425.2	4564.9	4605.2	5194.4	5452.6	4387.2
30°	5466.1	5462.7	5381.1	5179.8	4990.9	4815.4	4826.5	4842.2	5303.9	5631.5	4435.2
32.5°	6126.8	6141.3	5996.0	5722.1	5495.1	5252.5	5168.7	5170.9	5501.8	5861.8	4507.9
35°	7024.6	6988.8	6796.5	6406.3	6019.5	5757.9	5614.8	5602.5	5807.1	6171.5	4634.2
37.5°	7879.9	7883.2	7682.0	7252.7	6764.1	6351.5	6149.2	6115.6	6236.4	6600.9	4844.4
40°	8473.6	8484.7	8400.9	8176.2	7658.5	7074.9	6777.5	6742.9	6793.2	7144.2	5119.5
42.5°	8787.7	8819.0	8842.5	8895.1	8502.6	7978.3	7521.0	7517.6	7465.1	7763.6	5438.1
45°	8800.0	8847.0	8990.1	9349.0	9393.7	9009.1	8511.6	8436.7	8234.3	8426.6	5723.2
47.5°	8313.7	8422.1	8726.2	9437.3	9906.9	10034.3	9541.3	9495.4	8927.5	8951.0	5936.7
50°	7180.0	7292.9	7853.1	8984.5	10036.6	10848.3	10671.6	10576.6	9506.6	9297.6	6039.6
52.5°	6017.2	6120.1	6500.2	7906.7	9498.8	11104.3	11624.2	11511.3	10026.5	9418.3	5997.1
55°	4187.0	4324.5	4695.7	5909.9	8260.0	10605.7	11939.5	11916.0	10490.5	9342.3	5931.2
57.5°	2052.7	2189.1	2559.2	3643.7	6119.0	9259.5	11457.6	11581.7	10767.8	9260.7	5877.5
60°	857.5	913.4	1040.9	1598.8	3423.4	6997.8	10369.7	10541.9	10597.8	9150.0	5871.9
62.5°	497.5	506.5	519.9	663.0	1331.6	4011.5	8602.1	8847.0	9704.5	9003.5	5783.6
65°	375.7	379.0	373.4	407.0	550.1	1521.6	6215.1	6548.3	8100.1	8431.1	5434.8
67.5°	308.6	308.6	294.0	300.8	345.5	570.2	3431.2	3896.3	5993.8	6929.6	4487.8
70°	246.0	251.6	244.8	235.9	247.1	315.3	1220.9	1513.8	3490.5	4092.0	2617.3
72.5°	186.7	186.7	197.9	191.2	183.4	197.9	426.0	478.5	1400.9	1706.1	944.7
75°	144.2	148.7	156.5	149.8	138.6	117.4	204.6	216.9	422.6	396.9	211.3
77.5°	73.8	74.9	99.5	109.6	102.9	71.6	89.4	98.4	137.5	123.0	78.3
80°	44.7	47.0	55.9	86.1	68.2	38.0	36.9	39.1	64.8	55.9	32.4
82.5°	19.0	20.1	31.3	31.3	28.0	14.5	14.5	14.5	31.3	29.1	13.4
85°	0.0	0.0	5.6	4.5	4.5	5.6	5.6	5.6	7.8	11.2	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.4	3.4
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°	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7	3378.7
2.5°	3378.7	3307.1	3211.0	3123.8	3006.4	2940.4	2848.7	2773.8	2710.1	2690.0	2681.0
5°	3379.8	3256.8	3051.1	2845.4	2592.7	2393.7	2189.1	2027.0	1893.9	1851.5	1840.3
7.5°	3402.2	3221.1	2887.9	2514.5	2091.8	1743.0	1431.1	1151.6	1021.9	978.3	969.3
10°	3432.4	3190.9	2698.9	2117.6	1510.5	1062.1	752.4	573.6	488.6	441.6	448.3
12.5°	3471.5	3166.3	2489.9	1688.2	999.5	583.6	413.7	346.6	328.7	319.8	315.3
15°	3524.0	3137.2	2230.5	1262.3	612.7	375.7	318.6	300.8	294.0	289.6	288.5
17.5°	3577.7	3103.7	1966.6	887.7	407.0	311.9	286.2	277.3	272.8	269.4	268.3
20°	3634.7	3046.6	1656.9	611.6	320.9	280.6	263.9	253.8	248.2	242.6	241.5
22.5°	3659.3	2955.0	1360.6	428.2	285.1	258.3	237.0	224.7	218.0	213.5	213.5
25°	3635.8	2806.3	1054.3	325.3	259.4	233.7	212.4	199.0	193.4	188.9	188.9
27.5°	3573.2	2615.1	769.2	269.4	231.4	208.0	187.8	175.5	171.1	168.8	168.8
30°	3503.9	2373.6	542.2	231.4	200.1	181.1	164.4	156.5	155.4	153.2	153.2
32.5°	3444.7	2147.7	373.4	203.5	176.6	157.6	146.5	143.1	144.2	142.0	143.1
35°	3412.2	1926.4	277.3	181.1	157.6	139.8	134.2	134.2	134.2	133.0	133.0
37.5°	3425.6	1708.4	225.8	165.5	140.9	127.5	121.9	124.1	126.3	126.3	126.3
40°	3492.7	1514.9	200.1	150.9	126.3	116.3	111.8	115.2	118.5	120.7	120.7
42.5°	3577.7	1358.4	181.1	138.6	116.3	105.1	102.9	106.2	109.6	111.8	111.8
45°	3631.4	1200.8	162.1	123.0	106.2	92.8	92.8	97.3	96.2	97.3	97.3
47.5°	3656.0	1075.5	143.1	106.2	90.6	80.5	81.6	83.9	81.6	83.9	83.9
50°	3595.6	949.2	126.3	88.3	74.9	70.4	72.7	71.6	71.6	76.0	76.0
52.5°	3484.9	855.3	111.8	74.9	63.7	62.6	64.8	60.4	61.5	61.5	60.4
55°	3403.3	801.6	99.5	64.8	54.8	55.9	54.8	47.0	42.5	38.0	36.9
57.5°	3363.0	780.4	90.6	58.1	49.2	49.2	44.7	32.4	24.6	19.0	16.8
60°	3354.1	754.7	81.6	50.3	43.6	41.4	32.4	19.0	12.3	8.9	7.8
62.5°	3269.1	692.1	73.8	40.2	38.0	33.5	20.1	11.2	6.7	4.5	3.4
65°	2990.7	569.1	66.0	31.3	29.1	24.6	12.3	6.7	3.4	1.1	0.0
67.5°	2379.2	403.6	58.1	23.5	20.1	15.7	7.8	4.5	1.1	0.0	0.0
70°	1371.8	218.0	48.1	16.8	13.4	10.1	5.6	2.2	0.0	0.0	0.0
72.5°	458.4	101.7	36.9	11.2	10.1	7.8	3.4	1.1	0.0	0.0	0.0
75°	100.6	60.4	24.6	7.8	6.7	5.6	2.2	0.0	0.0	0.0	0.0
77.5°	38.0	42.5	12.3	5.6	4.5	3.4	1.1	0.0	0.0	0.0	0.0
80°	14.5	28.0	5.6	3.4	3.4	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	7.8	11.2	3.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.5	5.6	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	1.1	1.1	1.1	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)