

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: P632279

Luminaire Tested: GWS-SA2C-735-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7361.9 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

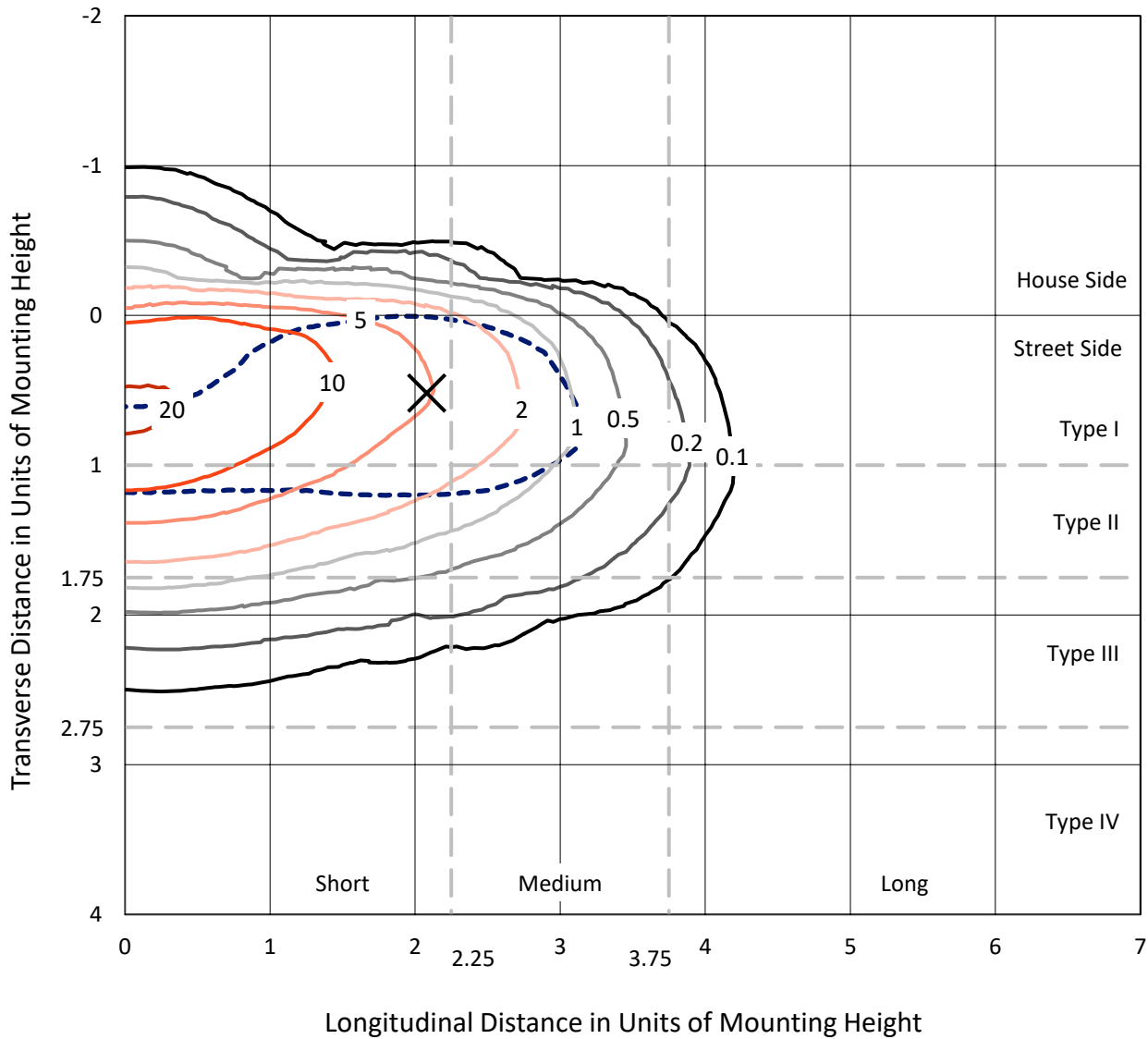
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

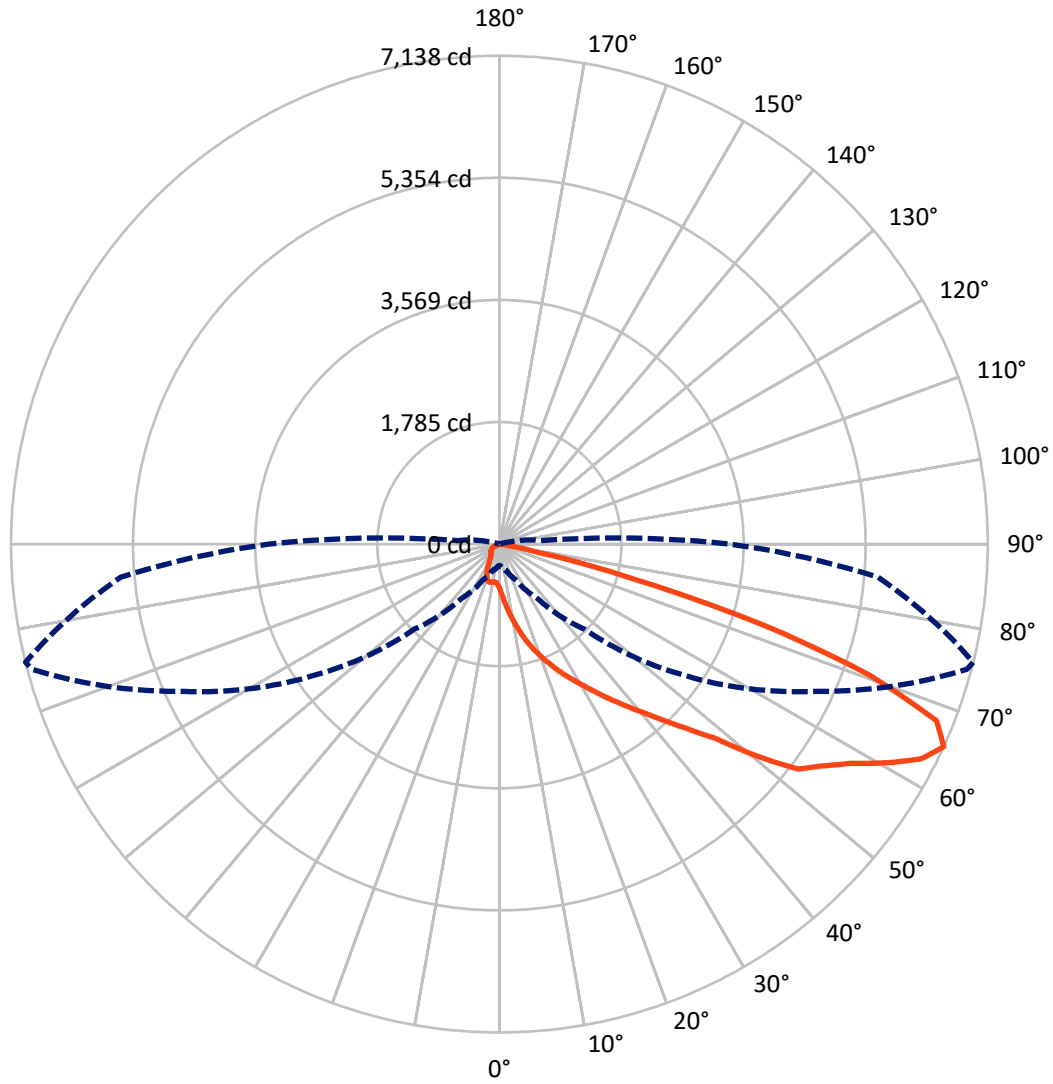
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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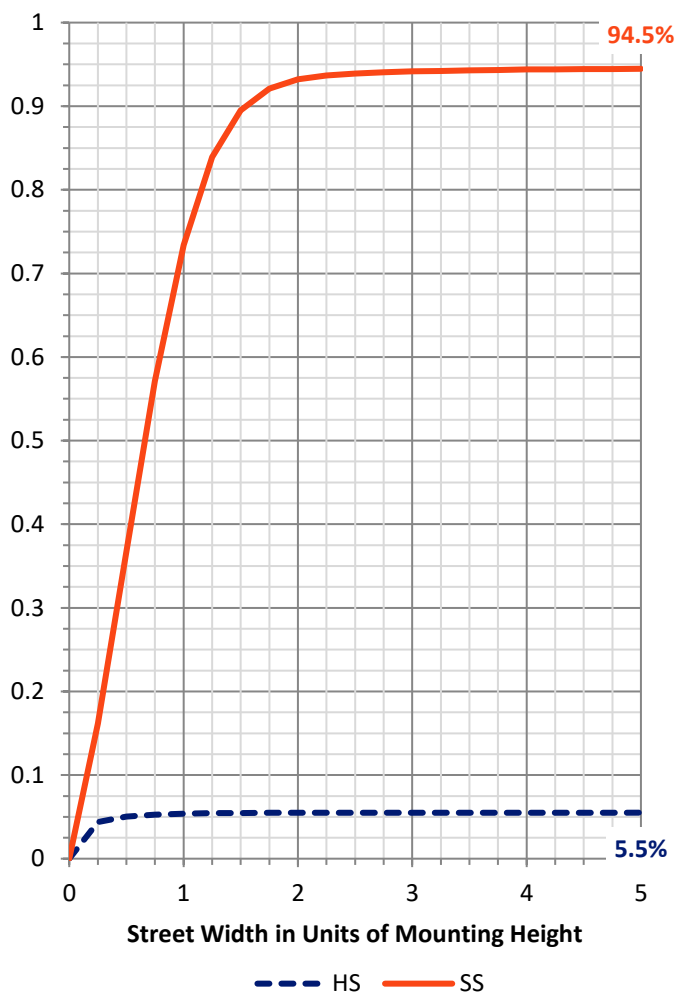
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	407.1	0.0	407.1
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	6954.8	0.0	6954.8
	% Fixture	94.5	0.0	94.5
Total	Lumens	7361.9	0.0	7361.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	1.1
10°-20°	300.9	4.1
20°-30°	613.8	8.3
30°-40°	1091.7	14.8
40°-50°	1613.9	21.9
50°-60°	1847.7	25.1
60°-70°	1409.7	19.1
70°-80°	394.9	5.4
80°-90°	9.9	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°	7361.9	100.0
0°-180°	7361.9	100.0

Coefficient of Utilization



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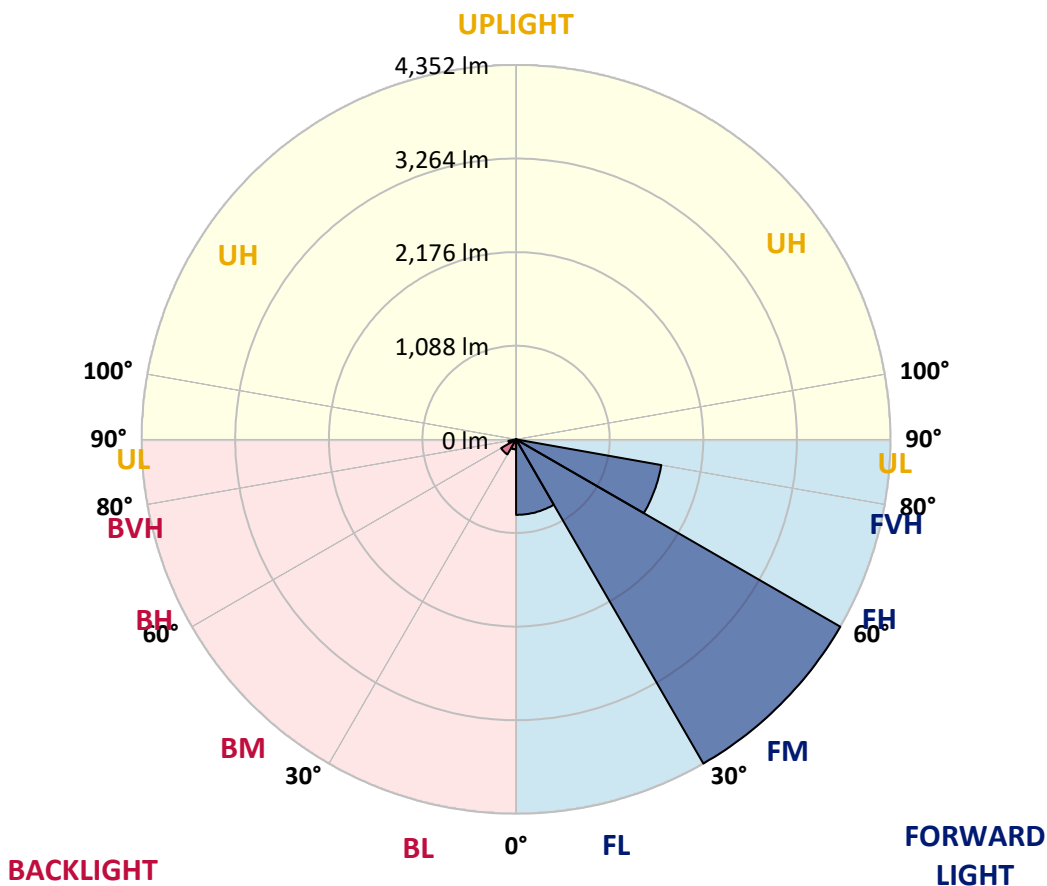
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	877.8	11.9			
FM (30°-60°)	4352.5	59.1			
FH (60°-80°)	1715.2	23.3			G1/1800
FVH (80°-90°)	9.4	0.1			G0/10
BL (0°-30°)	116.2	1.6	B1/500		
BM (30°-60°)	200.8	2.7	B0/220		
BH (60°-80°)	89.5	1.2	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8
2.5°	1004.5	1019.6	1007.8	988.2	950.2	913.6	866.4	801.7	750.0	743.4	695.0
5°	1356.6	1355.3	1329.8	1304.2	1264.3	1201.5	1106.6	986.2	870.4	860.6	751.9
7.5°	1566.0	1568.0	1553.6	1533.9	1494.7	1429.9	1331.1	1185.8	1016.3	996.7	829.8
10°	1742.1	1741.4	1730.9	1721.8	1686.4	1643.2	1537.2	1377.5	1173.4	1142.6	916.8
12.5°	1874.2	1878.8	1884.1	1893.2	1878.2	1835.6	1735.5	1561.4	1332.4	1298.4	1016.3
15°	1978.9	1980.3	1999.9	2035.2	2047.7	2025.4	1934.4	1739.4	1489.4	1460.0	1130.8
17.5°	2010.4	2013.0	2046.4	2111.1	2176.6	2189.0	2120.3	1918.7	1643.9	1612.5	1242.1
20°	2076.5	2082.3	2107.2	2164.1	2246.6	2313.4	2286.5	2100.0	1798.3	1757.1	1355.9
22.5°	2284.6	2287.8	2279.3	2286.5	2329.1	2406.3	2422.6	2275.4	1956.7	1912.9	1479.0
25°	2642.5	2643.8	2584.3	2528.0	2495.9	2510.3	2546.3	2437.0	2113.8	2070.6	1593.5
27.5°	3014.2	3018.8	2947.5	2851.9	2737.4	2672.0	2661.5	2584.9	2272.1	2224.4	1706.7
30°	3364.3	3364.3	3289.1	3172.6	3019.5	2891.9	2816.6	2734.1	2441.6	2389.3	1822.5
32.5°	3679.1	3676.5	3580.3	3454.0	3302.8	3162.8	3004.4	2889.9	2630.1	2571.8	1956.0
35°	3938.9	3932.4	3823.1	3702.0	3540.4	3436.3	3259.6	3057.4	2834.3	2776.0	2093.5
37.5°	4135.2	4128.0	4027.9	3899.7	3749.8	3682.4	3534.5	3258.3	3049.6	2996.6	2245.9
40°	4241.9	4227.5	4158.1	4062.6	3937.0	3878.1	3816.5	3507.7	3302.8	3236.7	2425.9
42.5°	4273.3	4256.3	4210.5	4166.0	4090.1	4043.6	4109.7	3789.1	3581.0	3524.0	2631.4
45°	4180.4	4170.6	4166.7	4198.7	4212.5	4225.6	4388.5	4100.6	3887.9	3844.7	2889.9
47.5°	3956.6	3954.0	3988.7	4122.2	4267.4	4405.5	4691.5	4484.7	4285.8	4239.3	3251.1
50°	3543.0	3569.8	3666.7	3901.0	4191.5	4507.6	4974.9	5017.4	4929.7	4861.6	3722.3
52.5°	2896.4	2948.1	3165.4	3521.4	3938.9	4478.8	5105.7	5444.1	5533.7	5463.1	4060.0
55°	2272.8	2321.2	2514.9	2966.5	3523.4	4259.6	5111.6	5591.3	5787.0	5721.5	4288.4
57.5°	1693.0	1737.5	1913.5	2345.4	2958.0	3828.3	4971.6	5673.1	6087.4	6045.5	4649.0
60°	1106.6	1150.5	1309.5	1687.1	2294.4	3200.1	4626.7	5656.1	6496.4	6492.4	5092.0
62.5°	613.8	648.5	763.7	1058.2	1601.4	2478.3	4084.9	5485.3	6892.3	6917.2	5457.2
65°	314.1	336.4	406.4	581.8	969.2	1757.1	3372.2	5094.0	7075.5	7138.4	5553.4
67.5°	205.5	212.7	229.7	302.3	519.0	1105.3	2537.8	4466.4	6817.7	6891.0	5230.7
70°	166.9	172.8	182.6	201.6	267.7	587.0	1666.8	3567.2	5696.7	5746.4	4165.3
72.5°	122.4	130.2	149.2	161.6	193.1	322.0	867.1	2341.5	3912.1	3999.8	2617.7
75°	90.3	94.9	110.6	127.6	157.7	203.5	331.8	1231.0	2020.2	1969.1	1099.4
77.5°	54.3	57.6	70.7	81.8	112.6	127.0	115.8	454.8	614.5	577.8	265.7
80°	26.8	30.1	46.5	61.5	72.0	51.0	48.4	127.0	136.8	136.8	66.8
82.5°	9.2	11.8	24.9	40.6	35.3	19.6	22.9	32.7	36.6	38.6	19.6
85°	0.0	0.0	5.9	11.8	5.2	2.6	5.9	7.2	9.2	9.8	6.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.6	2.6
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°	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8	651.8
2.5°	668.8	638.1	591.6	549.7	517.6	487.5	464.6	446.3	443.0	432.6	433.9
5°	698.9	643.3	557.6	491.5	445.0	413.6	387.4	367.8	359.3	350.8	344.2
7.5°	745.4	664.9	544.5	464.0	409.7	361.2	320.7	287.9	272.2	262.4	255.9
10°	802.3	695.0	545.1	447.6	367.1	293.2	237.6	201.6	184.5	179.3	178.7
12.5°	870.4	732.9	550.4	420.8	305.6	217.9	176.0	159.7	154.4	149.9	149.9
15°	942.4	775.5	550.4	371.7	233.0	170.1	152.5	142.0	135.5	132.8	131.5
17.5°	1018.3	815.4	537.3	304.3	178.7	149.9	135.5	125.6	120.4	116.5	115.2
20°	1099.4	853.4	504.6	233.0	153.1	134.2	120.4	110.6	105.4	101.4	101.4
22.5°	1181.9	888.7	451.5	179.3	135.5	119.1	106.0	96.9	91.6	87.7	87.7
25°	1258.4	912.3	383.5	147.9	122.4	106.0	94.2	85.1	79.2	76.6	75.3
27.5°	1329.8	927.3	308.2	130.2	109.9	94.9	82.5	73.9	69.4	67.4	66.1
30°	1403.7	931.2	235.6	118.4	99.5	83.8	72.0	65.4	61.5	58.9	58.9
32.5°	1475.7	926.7	180.0	108.6	90.3	73.9	64.1	58.2	55.0	53.0	52.4
35°	1549.0	905.7	145.9	100.1	81.1	64.8	56.9	52.4	50.4	47.8	47.8
37.5°	1628.8	877.6	127.0	91.6	72.0	58.2	51.0	47.8	45.2	43.2	42.5
40°	1728.3	844.8	116.5	84.4	63.5	52.4	45.8	42.5	40.6	38.6	38.0
42.5°	1846.1	812.8	111.3	76.6	56.9	46.5	41.2	37.3	35.3	32.7	32.1
45°	2013.0	805.6	105.4	68.1	51.0	41.9	36.0	32.1	29.4	27.5	26.8
47.5°	2281.3	825.9	95.5	58.9	45.2	36.6	30.8	27.5	24.2	22.3	20.9
50°	2547.6	820.6	85.7	51.0	39.9	31.4	26.2	22.9	19.6	17.7	17.0
52.5°	2692.9	795.8	76.6	45.2	34.7	26.8	22.3	18.3	16.4	14.4	13.7
55°	2824.5	786.0	67.4	39.3	29.4	23.6	18.3	15.1	13.7	11.8	11.1
57.5°	3082.3	808.9	59.6	34.0	25.5	20.3	15.7	12.4	11.1	9.2	8.5
60°	3351.9	811.5	51.0	29.4	22.3	17.0	12.4	9.8	8.5	6.5	5.9
62.5°	3492.6	745.4	41.9	24.9	18.3	14.4	10.5	7.9	6.5	3.9	3.9
65°	3374.8	602.7	35.3	20.3	14.4	11.1	7.9	5.9	3.9	2.0	0.7
67.5°	2986.7	428.6	29.4	16.4	10.5	7.9	5.9	3.9	0.7	0.0	0.0
70°	2187.1	244.8	22.9	11.8	7.9	5.2	3.9	2.0	0.0	0.0	0.0
72.5°	1344.2	130.9	17.0	7.9	5.9	3.9	3.3	1.3	0.0	0.0	0.0
75°	509.8	62.8	10.5	5.2	4.6	3.3	2.0	0.7	0.0	0.0	0.0
77.5°	138.1	30.8	5.9	3.9	3.3	2.0	1.3	0.0	0.0	0.0	0.0
80°	36.0	14.4	3.9	2.6	2.0	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	12.4	6.5	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0
85°	5.2	2.6	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.7	0.7	0.7	0.7	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)