

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: P634255

Luminaire Tested: GWS-SA3B-735-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634255  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-T2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

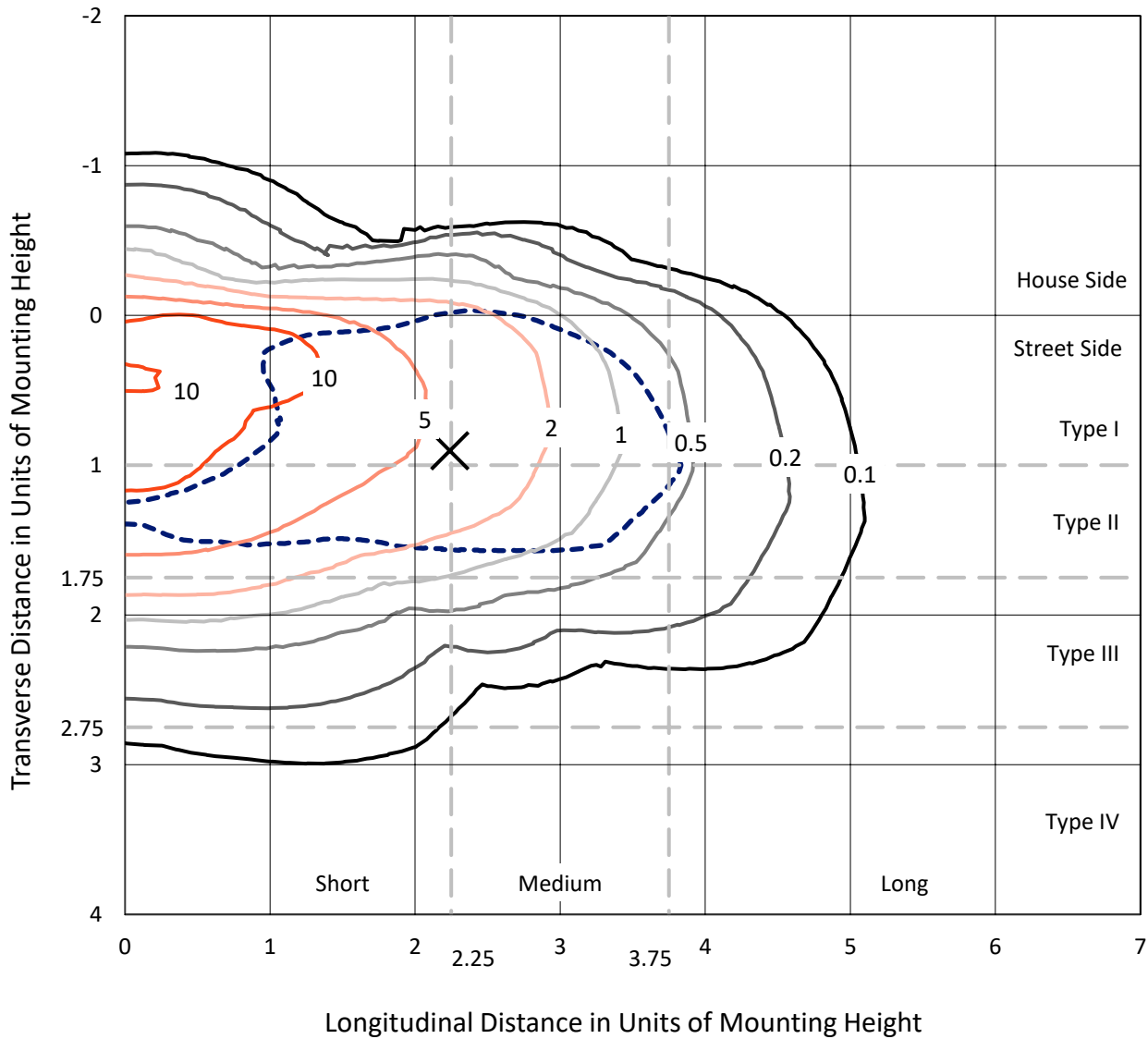
Lumens per Lamp: N/A  
Luminaire Lumens: 7684.5 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

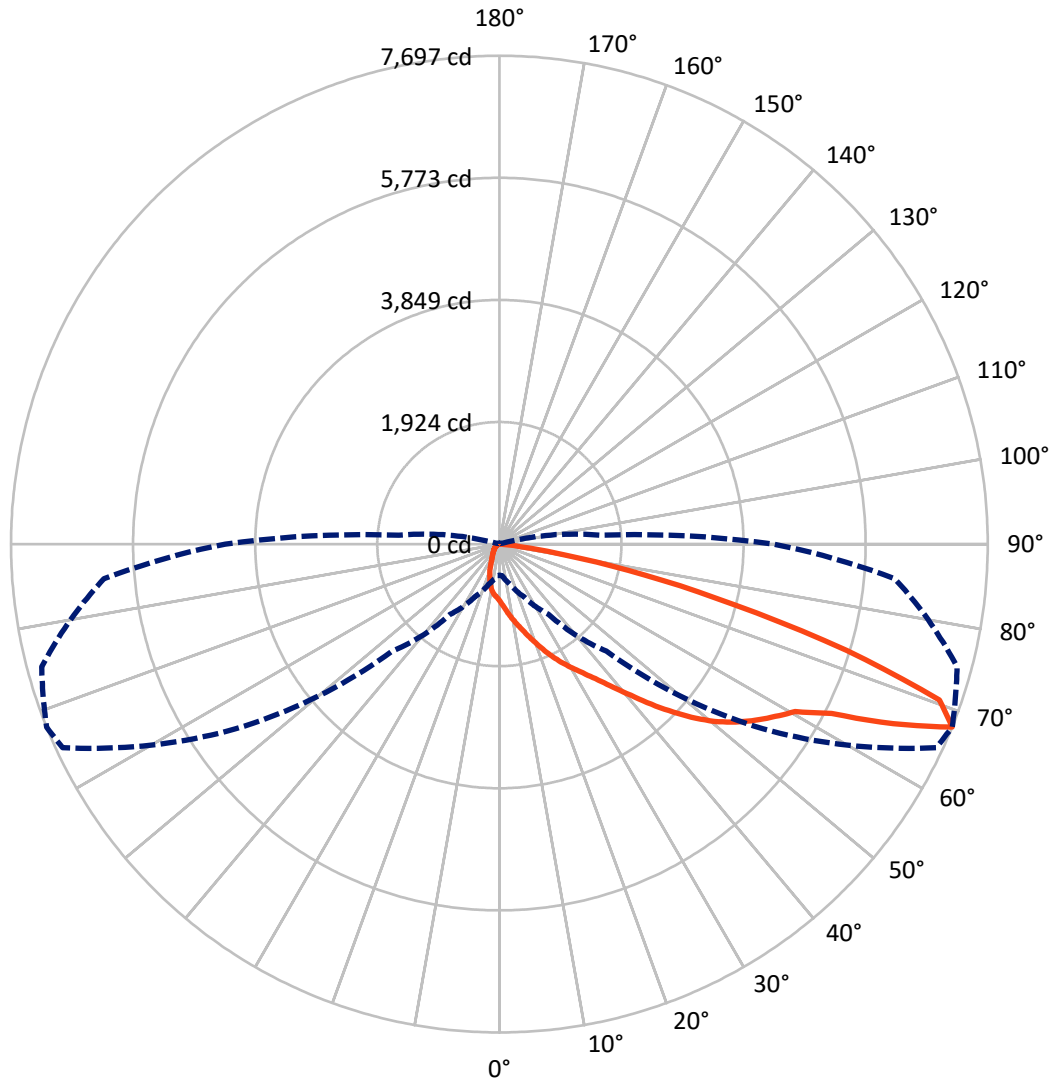
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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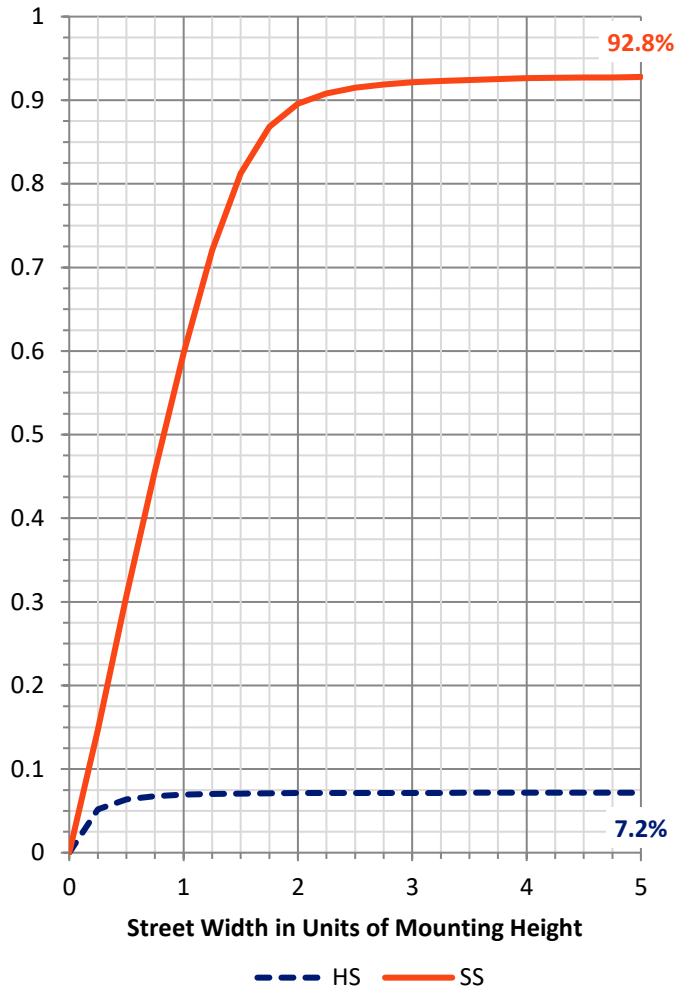
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	554.9	0.0	554.9
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	7129.6	0.0	7129.6
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	7684.5	0.0	7684.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.2	1.1
10°-20°	250.5	3.3
20°-30°	430.4	5.6
30°-40°	748.4	9.7
40°-50°	1305.8	17.0
50°-60°	1969.5	25.6
60°-70°	1974.9	25.7
70°-80°	871.3	11.3
80°-90°	46.5	0.6
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°	7684.5	100.0
0°-180°	7684.5	100.0

**Coefficient of Utilization**



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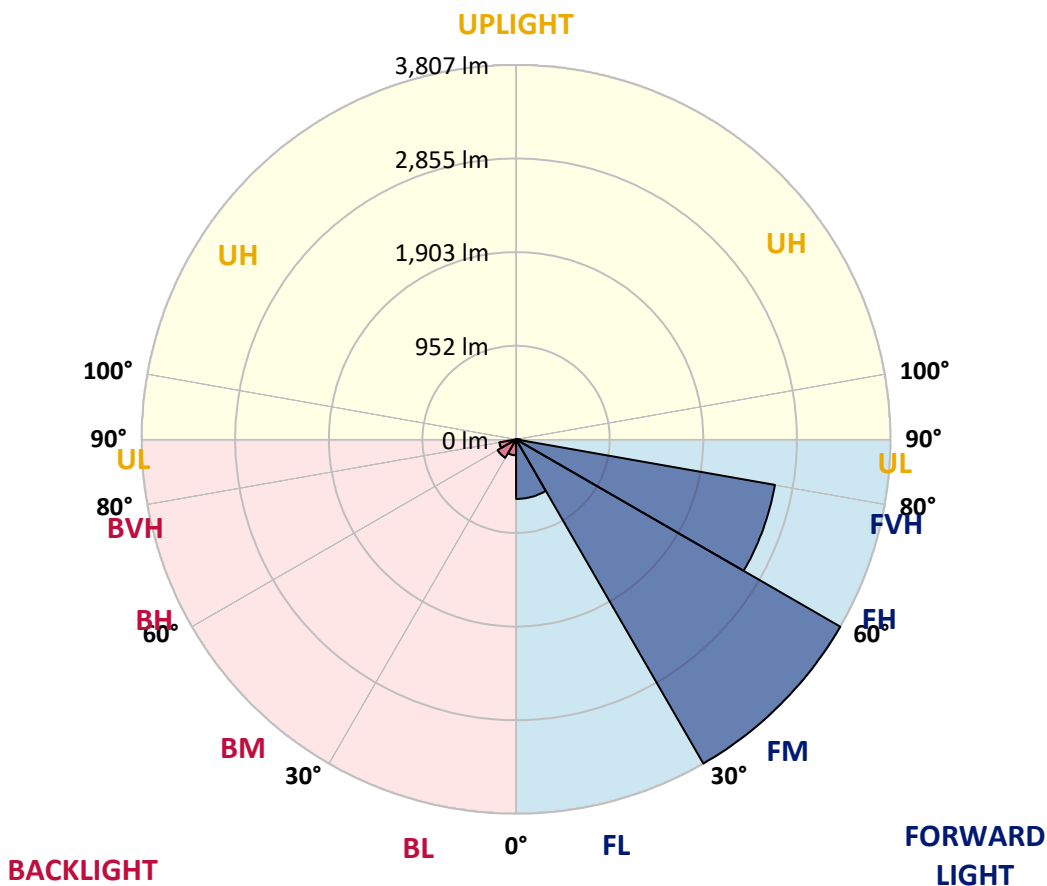
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.8	7.9			
FM (30°-60°)	3806.9	49.5			
FH (60°-80°)	2673.0	34.8			G2/5000
FVH (80°-90°)	43.9	0.6			G1/100
BL (0°-30°)	162.3	2.1	B1/500		
BM (30°-60°)	216.8	2.8	B0/220		
BH (60°-80°)	173.2	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3
2.5°	1041.4	1048.0	1041.4	1042.8	1023.7	1014.9	995.8	969.3	962.7	945.8	920.0
5°	1168.6	1174.5	1167.9	1166.4	1144.3	1128.1	1096.5	1050.9	1037.7	1004.6	953.9
7.5°	1237.7	1241.4	1243.6	1247.3	1239.2	1226.0	1197.3	1140.6	1126.7	1073.0	1001.7
10°	1245.1	1248.0	1259.1	1281.1	1297.3	1305.4	1289.2	1237.0	1214.9	1162.7	1060.5
12.5°	1224.5	1228.9	1246.6	1283.3	1328.2	1369.4	1379.7	1334.1	1314.2	1247.3	1129.6
15°	1197.3	1201.0	1225.2	1275.2	1342.9	1418.6	1461.3	1441.4	1419.4	1349.5	1206.1
17.5°	1155.4	1160.5	1194.3	1262.0	1349.5	1457.6	1549.5	1556.2	1540.7	1465.0	1290.7
20°	1131.8	1135.5	1165.7	1235.5	1345.1	1486.3	1631.9	1694.4	1677.5	1598.1	1387.8
22.5°	1151.7	1154.6	1174.5	1228.9	1330.4	1502.5	1708.4	1832.7	1823.1	1740.8	1490.0
25°	1256.1	1265.7	1253.9	1263.5	1337.0	1511.3	1770.2	1970.9	1973.2	1890.0	1595.9
27.5°	1467.9	1455.4	1427.5	1379.7	1388.5	1534.8	1823.1	2101.1	2120.2	2035.7	1690.0
30°	1683.4	1676.0	1659.1	1584.8	1523.1	1587.1	1868.0	2234.2	2264.4	2179.1	1773.9
32.5°	1925.4	1932.7	1902.6	1813.6	1708.4	1693.0	1914.3	2360.7	2417.4	2341.6	1872.4
35°	2214.4	2216.6	2157.0	2058.5	1939.3	1868.0	1997.4	2500.5	2604.9	2549.0	2004.0
37.5°	2496.0	2509.3	2476.9	2321.7	2215.8	2085.7	2134.9	2679.9	2827.0	2804.9	2169.5
40°	2745.4	2765.9	2755.6	2605.6	2466.6	2357.0	2348.2	2890.2	3095.4	3120.4	2387.9
42.5°	2943.9	2957.2	2965.2	2858.6	2735.8	2674.0	2611.5	3134.4	3412.4	3514.6	2655.6
45°	3153.5	3157.9	3174.8	3102.8	2995.4	3000.5	2922.6	3430.8	3746.3	3951.5	2963.0
47.5°	3420.5	3435.2	3427.1	3351.3	3254.3	3312.4	3244.0	3736.0	4075.7	4417.7	3277.8
50°	3745.5	3761.0	3753.6	3665.4	3557.3	3581.5	3538.9	4032.4	4393.4	4857.5	3539.6
52.5°	3913.2	3925.7	4016.9	4056.6	4000.0	3845.6	3790.4	4358.1	4661.9	5219.3	3780.1
55°	3832.3	3841.1	4039.7	4207.4	4414.8	4260.3	4043.4	4609.7	4898.7	5501.7	3958.8
57.5°	3497.0	3544.8	3814.7	4098.5	4534.6	4670.0	4453.8	4883.2	5126.7	5698.1	4134.6
60°	2809.3	2807.1	3194.0	3703.6	4300.8	4782.5	5033.3	5253.2	5355.4	5848.9	4369.9
62.5°	1552.5	1566.5	2081.3	2752.7	3650.7	4491.3	5467.9	5892.2	5876.8	6112.1	4738.4
65°	772.9	800.9	1080.3	1576.8	2429.1	3711.7	5542.9	6867.4	6823.3	6732.1	5499.5
67.5°	490.5	501.6	656.0	916.3	1350.2	2385.7	5075.9	7594.8	7697.0	7467.5	6254.8
70°	317.7	336.1	456.0	626.6	814.9	1229.6	3718.3	7123.4	7358.0	7386.6	5784.1
72.5°	172.8	186.1	291.2	447.1	588.3	614.8	2088.6	5345.8	5723.1	6265.8	4525.1
75°	98.5	108.1	159.6	303.7	431.7	374.3	925.9	3578.6	3819.1	4478.0	3242.5
77.5°	59.6	67.7	89.7	147.8	270.6	250.0	350.1	2178.3	2331.3	2671.8	1701.8
80°	27.2	32.4	56.6	81.6	147.8	118.4	133.8	1015.6	1048.7	1096.5	563.3
82.5°	12.5	14.7	25.7	48.5	83.8	68.4	51.5	234.6	330.2	312.6	143.4
85°	1.5	1.5	9.6	19.9	23.5	17.7	21.3	53.0	66.9	94.1	41.2
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	4.4	6.6	9.6	15.4	10.3
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°	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3
2.5°	908.3	887.7	869.3	842.1	823.7	803.1	789.1	772.2	765.6	760.4	753.1
5°	928.8	895.8	850.9	800.9	759.7	720.7	684.7	661.1	640.6	637.6	627.3
7.5°	962.7	913.4	837.7	756.0	686.2	621.4	570.7	529.5	508.9	502.3	490.5
10°	1007.5	939.9	817.8	692.8	592.0	514.8	457.4	411.1	378.7	367.0	358.2
12.5°	1057.5	964.1	786.2	614.8	500.1	411.8	339.0	289.8	269.2	261.8	255.2
15°	1114.9	986.9	736.2	536.9	410.4	303.0	251.5	230.2	221.4	219.2	217.0
17.5°	1170.1	1001.7	676.6	456.0	315.5	235.3	211.1	203.0	200.8	198.6	197.1
20°	1232.6	1011.9	606.7	379.5	244.9	199.3	187.5	181.7	177.2	172.8	172.1
22.5°	1296.6	1011.9	531.0	304.5	205.2	178.7	165.5	154.4	146.4	141.9	140.5
25°	1357.6	998.0	456.0	243.4	180.9	158.9	141.9	129.4	118.4	113.3	111.8
27.5°	1401.0	961.9	390.5	205.9	164.0	141.2	120.6	106.6	97.8	92.7	91.9
30°	1428.2	908.3	330.2	183.9	149.3	122.8	102.2	90.5	83.8	80.2	78.7
32.5°	1448.8	842.1	276.5	168.4	135.3	106.6	89.0	79.4	73.5	70.6	69.9
35°	1490.0	779.6	236.8	154.4	120.6	93.4	78.0	70.6	66.2	62.5	61.8
37.5°	1547.3	727.3	205.2	141.9	106.6	83.1	70.6	64.0	60.3	56.6	55.9
40°	1631.9	694.2	181.7	129.4	94.1	75.0	64.7	58.8	53.7	50.0	49.3
42.5°	1762.1	678.8	166.2	116.9	83.1	67.7	59.6	52.2	47.1	43.4	42.7
45°	1917.3	686.9	153.0	104.4	75.7	62.5	53.0	45.6	40.4	36.8	36.0
47.5°	2083.5	715.6	141.9	92.7	68.4	57.4	47.1	39.0	34.6	30.9	30.2
50°	2257.0	762.6	132.4	81.6	62.5	51.5	40.4	33.8	29.4	26.5	25.7
52.5°	2407.8	826.6	122.8	73.5	57.4	45.6	35.3	29.4	25.0	22.1	21.3
55°	2551.9	886.9	115.5	66.2	51.5	39.7	30.9	25.0	21.3	18.4	17.7
57.5°	2708.6	950.9	106.6	59.6	46.3	35.3	27.2	21.3	18.4	15.4	14.7
60°	2936.6	1045.8	93.4	54.4	40.4	30.9	23.5	19.1	16.2	12.5	11.8
62.5°	3265.3	1218.6	78.7	47.1	34.6	26.5	19.9	16.2	13.2	10.3	8.8
65°	3880.1	1512.8	64.7	39.0	27.9	22.1	16.9	13.2	10.3	7.4	6.6
67.5°	4322.8	1589.3	52.2	31.6	22.8	16.9	14.0	10.3	7.4	5.1	4.4
70°	3779.4	1141.4	40.4	25.7	19.1	13.2	11.0	8.1	5.1	3.7	2.9
72.5°	2847.6	745.7	30.2	19.9	14.7	11.0	8.1	6.6	4.4	2.9	2.2
75°	2007.0	431.0	22.1	14.7	10.3	8.1	6.6	5.1	3.7	2.2	2.2
77.5°	1028.9	178.0	15.4	10.3	7.4	5.1	4.4	2.9	2.9	2.2	1.5
80°	312.6	58.8	8.8	6.6	5.1	3.7	2.2	2.2	2.2	1.5	0.7
82.5°	71.3	19.1	5.1	5.1	3.7	2.9	2.2	0.7	0.7	0.0	0.0
85°	18.4	5.9	4.4	3.7	3.7	2.9	1.5	0.7	0.0	0.0	0.0
87.5°	6.6	3.7	3.7	3.7	2.9	2.2	1.5	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)