

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: P634813

Luminaire Tested: GWS-SA3C-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10241 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

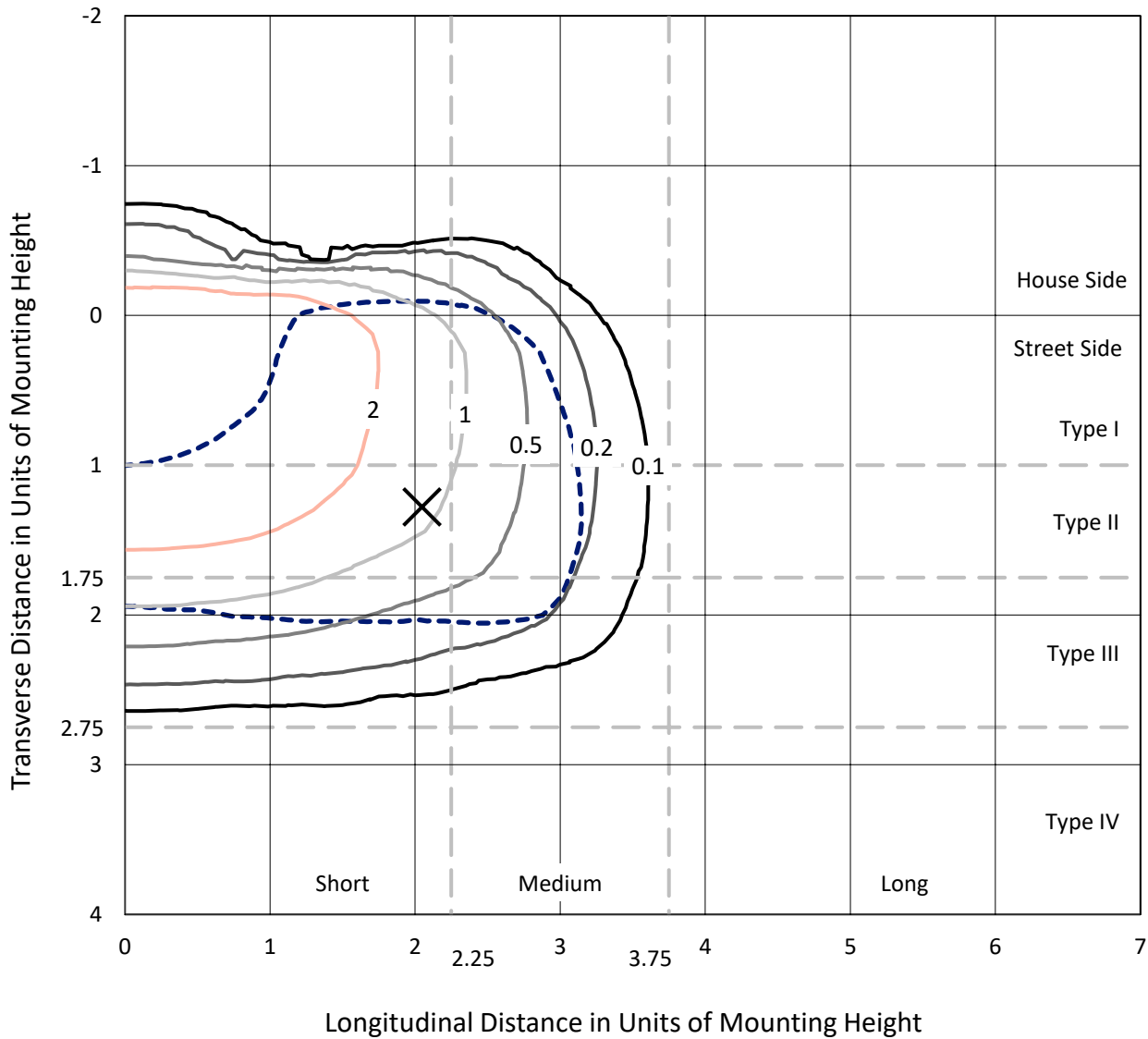
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

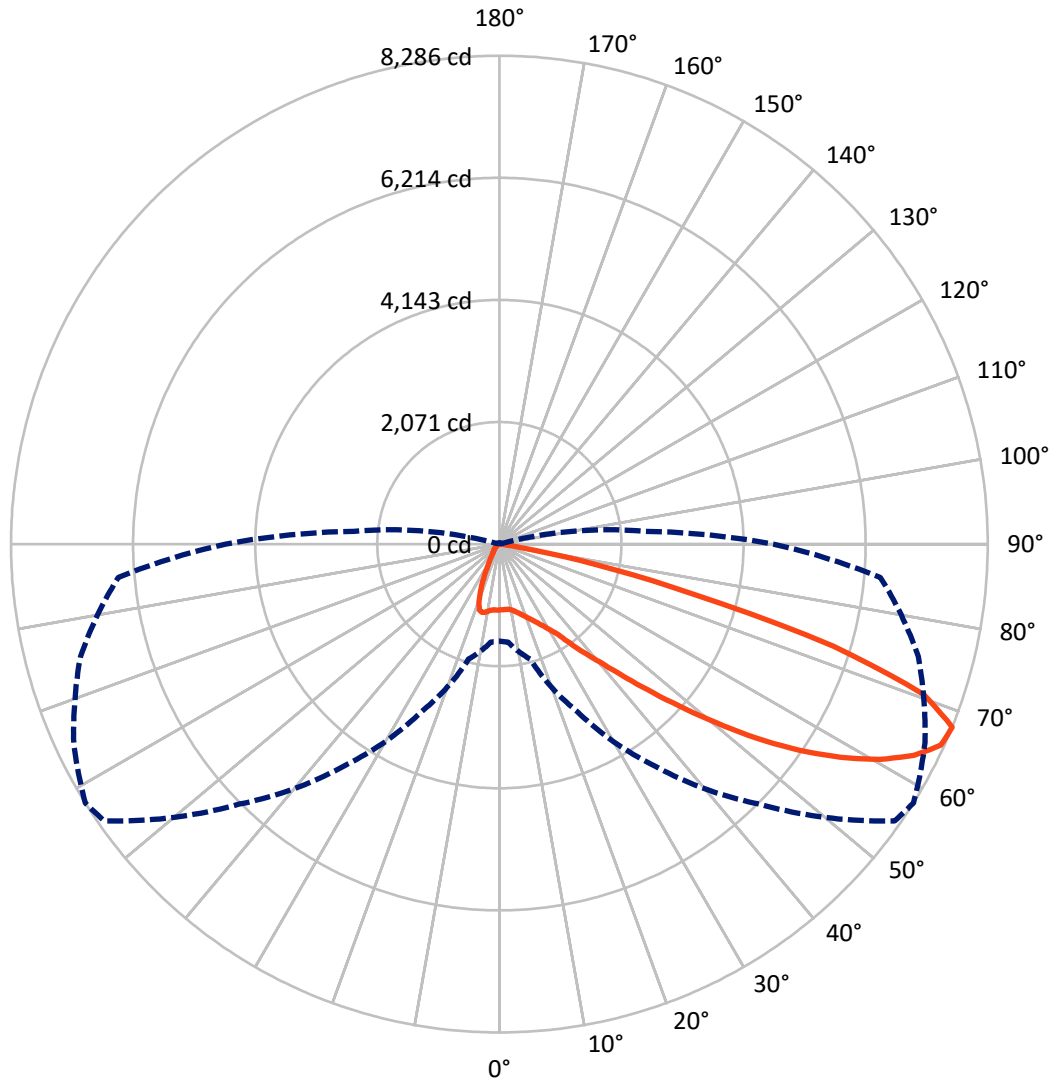
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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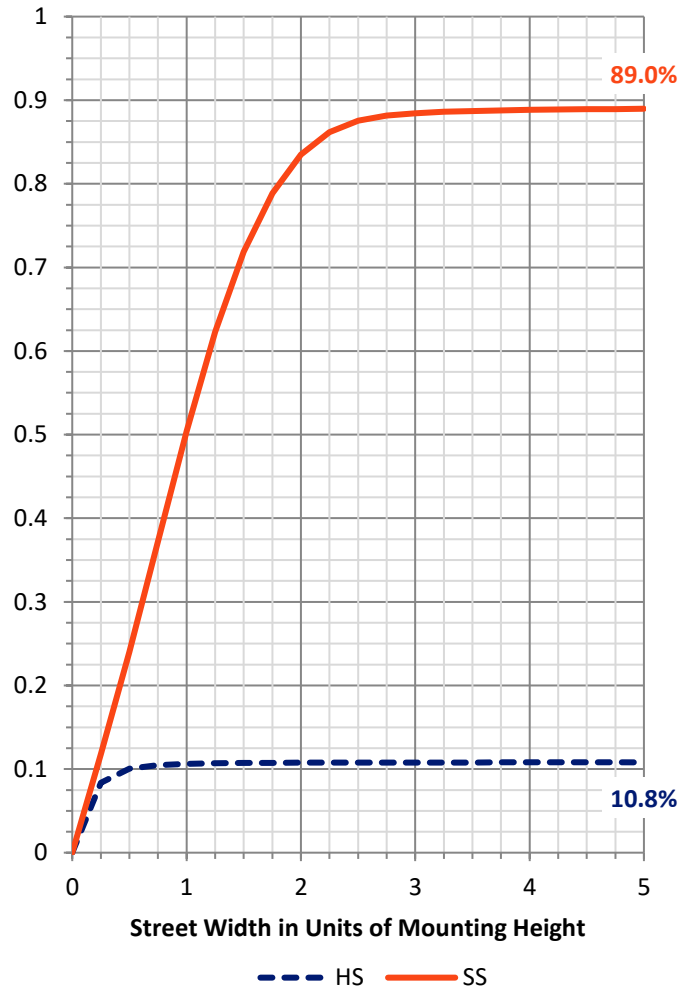
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1117.3	0.0	1117.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	9123.7	0.0	9123.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	10241.0	0.0	10241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	1.0
10°-20°	294.3	2.9
20°-30°	513.8	5.0
30°-40°	917.5	9.0
40°-50°	1677.1	16.4
50°-60°	2789.1	27.2
60°-70°	3029.5	29.6
70°-80°	889.5	8.7
80°-90°	25.3	0.2
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°	10241.0	100.0
0°-180°	10241.0	100.0

Coefficient of Utilization



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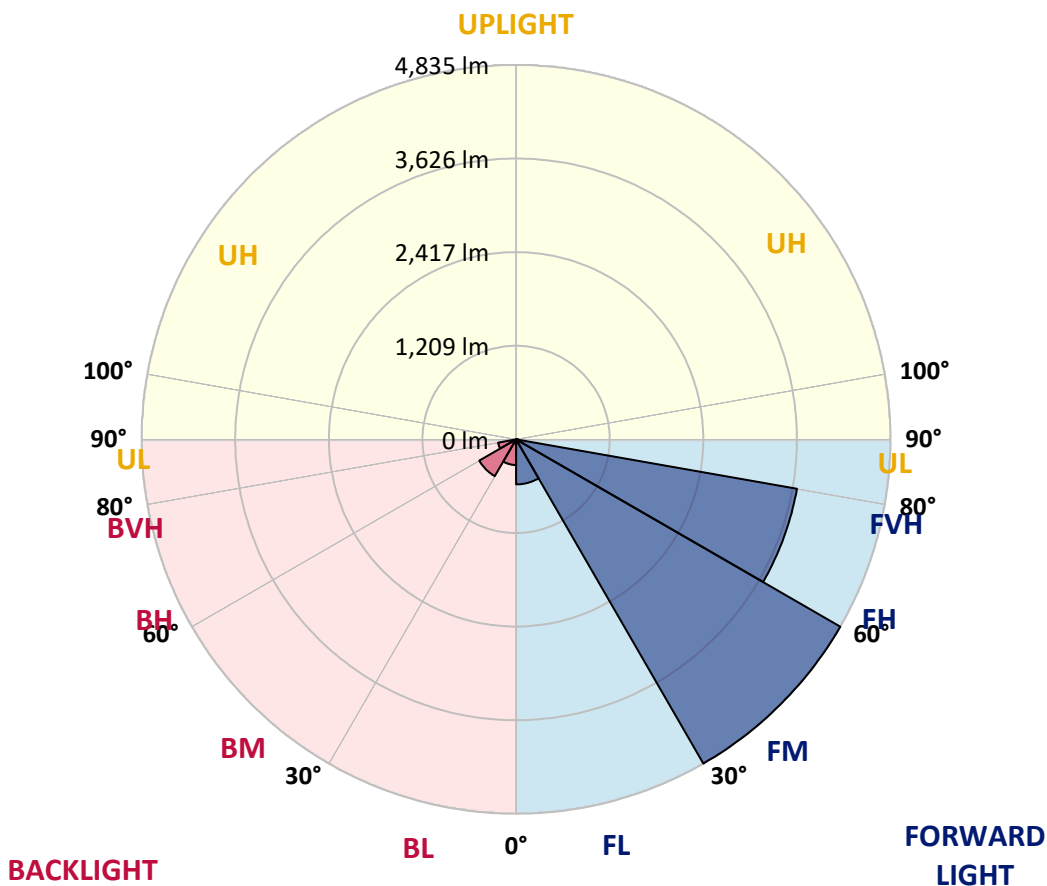
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.5	5.7			
FM (30°-60°)	4835.0	47.2			
FH (60°-80°)	3683.1	36.0			G2/5000
FVH (80°-90°)	24.1	0.2			G1/100
BL (0°-30°)	331.4	3.2	B1/500		
BM (30°-60°)	548.8	5.4	B1/1000		
BH (60°-80°)	235.8	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0
2.5°	1095.0	1093.0	1093.0	1101.0	1102.0	1106.0	1115.0	1116.0	1121.0	1119.0	1112.0
5°	1038.0	1039.0	1045.0	1059.0	1071.0	1086.0	1108.0	1113.0	1124.0	1130.0	1126.0
7.5°	985.0	986.0	995.0	1017.0	1040.0	1070.0	1106.0	1116.0	1138.0	1154.0	1155.0
10°	965.0	964.0	973.0	998.0	1028.0	1070.0	1122.0	1135.0	1168.0	1196.0	1201.0
12.5°	971.0	970.0	979.0	1002.0	1035.0	1088.0	1150.0	1168.0	1210.0	1253.0	1262.0
15°	995.0	994.0	1000.0	1019.0	1055.0	1110.0	1186.0	1213.0	1266.0	1318.0	1332.0
17.5°	1067.0	1062.0	1056.0	1058.0	1079.0	1136.0	1232.0	1265.0	1331.0	1393.0	1405.0
20°	1195.0	1182.0	1166.0	1145.0	1135.0	1174.0	1285.0	1323.0	1403.0	1474.0	1476.0
22.5°	1388.0	1383.0	1346.0	1285.0	1242.0	1243.0	1347.0	1391.0	1489.0	1566.9	1555.9
25°	1656.9	1653.9	1596.9	1497.0	1385.0	1347.0	1426.0	1471.0	1590.9	1673.9	1638.9
27.5°	1990.9	1969.9	1902.9	1767.9	1600.9	1482.0	1525.9	1565.9	1698.9	1776.9	1710.9
30°	2281.9	2282.9	2219.9	2078.9	1890.9	1684.9	1647.9	1682.9	1797.9	1879.9	1799.9
32.5°	2561.9	2570.9	2501.9	2374.9	2168.9	1949.9	1822.9	1828.9	1924.9	2013.9	1916.9
35°	2821.9	2828.9	2780.9	2672.9	2480.9	2226.9	2066.9	2063.9	2115.9	2206.9	2079.9
37.5°	3112.9	3119.9	3072.9	2975.9	2795.9	2543.9	2343.9	2339.9	2360.9	2434.9	2289.9
40°	3422.9	3435.9	3383.9	3301.9	3129.9	2916.9	2665.9	2629.9	2608.9	2695.9	2561.9
42.5°	3736.9	3756.9	3738.9	3656.9	3509.9	3333.9	3083.9	3027.9	2982.9	3091.9	2949.9
45°	4126.9	4150.9	4142.9	4079.9	3965.9	3822.9	3586.9	3521.9	3500.9	3601.9	3432.9
47.5°	4501.9	4527.9	4556.8	4542.8	4461.9	4395.9	4133.9	4096.9	4090.9	4198.9	3936.9
50°	4780.8	4804.8	4915.8	4995.8	5050.8	5036.8	4809.8	4754.8	4745.8	4814.8	4468.9
52.5°	4980.8	5003.8	5156.8	5406.8	5608.8	5718.8	5489.8	5477.8	5428.8	5404.8	4966.8
55°	5135.8	5167.8	5328.8	5706.8	6113.8	6357.8	6214.8	6171.8	6045.8	5907.8	5428.8
57.5°	5166.8	5179.8	5406.8	5916.8	6505.8	6900.8	6900.8	6825.8	6582.8	6391.8	5962.8
60°	4888.8	4928.8	5235.8	5899.8	6673.8	7255.8	7469.8	7417.8	7089.8	6854.8	6476.8
62.5°	4271.9	4316.9	4690.8	5492.8	6505.8	7328.8	7900.7	7892.7	7522.8	7237.8	6902.8
65°	3275.9	3308.9	3634.9	4594.8	5795.8	7047.8	8208.7	8230.7	7864.7	7490.8	7049.8
67.5°	1645.9	1668.9	2020.9	3138.9	4593.8	6238.8	8187.7	8285.7	7968.7	7356.8	6488.8
70°	575.0	598.0	764.0	1347.0	2795.9	4763.8	7479.8	7639.7	7357.8	6279.8	4786.8
72.5°	197.0	208.0	317.0	500.0	1088.0	2823.9	5687.8	5928.8	5423.8	4215.9	2750.9
75°	112.0	119.0	170.0	271.0	456.0	929.0	3226.9	3374.9	3161.9	2297.9	1132.0
77.5°	76.0	82.0	106.0	154.0	252.0	299.0	1316.0	1656.9	1445.0	750.0	289.0
80°	45.0	49.0	65.0	91.0	129.0	116.0	282.0	375.0	483.0	224.0	87.0
82.5°	21.0	24.0	42.0	60.0	65.0	49.0	83.0	101.0	136.0	110.0	36.0
85°	0.0	0.0	14.0	25.0	24.0	14.0	23.0	25.0	37.0	55.0	14.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	6.0	11.0	6.0
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°	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0
2.5°	1120.0	1113.0	1121.0	1117.0	1121.0	1120.0	1112.0	1107.0	1107.0	1098.0	1095.0
5°	1134.0	1127.0	1129.0	1120.0	1118.0	1113.0	1103.0	1099.0	1099.0	1090.0	1087.0
7.5°	1165.0	1154.0	1152.0	1134.0	1126.0	1112.0	1094.0	1087.0	1086.0	1077.0	1074.0
10°	1214.0	1201.0	1192.0	1169.0	1146.0	1118.0	1080.0	1048.0	1030.0	1006.0	1004.0
12.5°	1274.0	1258.0	1244.0	1209.0	1171.0	1108.0	996.0	879.0	807.0	750.0	754.0
15°	1341.0	1326.0	1304.0	1251.0	1173.0	1009.0	775.0	595.0	507.0	460.0	458.0
17.5°	1414.0	1392.0	1356.0	1284.0	1110.0	771.0	504.0	356.0	310.0	294.0	290.0
20°	1482.0	1455.0	1410.0	1291.0	928.0	522.0	315.0	276.0	268.0	263.0	263.0
22.5°	1553.9	1519.9	1453.0	1237.0	690.0	334.0	268.0	259.0	253.0	246.0	245.0
25°	1626.9	1582.9	1492.0	1096.0	452.0	263.0	251.0	241.0	230.0	219.0	216.0
27.5°	1688.9	1631.9	1521.9	886.0	290.0	237.0	229.0	212.0	197.0	185.0	183.0
30°	1762.9	1689.9	1534.9	648.0	228.0	209.0	197.0	179.0	161.0	149.0	145.0
32.5°	1861.9	1781.9	1514.9	422.0	202.0	184.0	165.0	144.0	126.0	113.0	111.0
35°	2015.9	1920.9	1423.0	269.0	183.0	159.0	136.0	114.0	99.0	89.0	87.0
37.5°	2203.9	2115.9	1272.0	202.0	164.0	138.0	111.0	90.0	79.0	72.0	70.0
40°	2482.9	2359.9	1085.0	177.0	145.0	117.0	91.0	74.0	66.0	60.0	58.0
42.5°	2844.9	2647.9	870.0	161.0	127.0	98.0	74.0	61.0	54.0	50.0	49.0
45°	3267.9	2928.9	643.0	145.0	110.0	81.0	61.0	50.0	45.0	42.0	41.0
47.5°	3700.9	3174.9	444.0	128.0	94.0	67.0	51.0	43.0	39.0	35.0	34.0
50°	4162.9	3382.9	303.0	111.0	80.0	55.0	44.0	39.0	34.0	31.0	30.0
52.5°	4501.9	3459.9	211.0	96.0	68.0	47.0	39.0	35.0	31.0	27.0	26.0
55°	4814.8	3457.9	160.0	81.0	58.0	41.0	35.0	31.0	27.0	24.0	23.0
57.5°	5126.8	3430.9	126.0	69.0	50.0	37.0	31.0	27.0	25.0	21.0	20.0
60°	5328.8	3328.9	98.0	58.0	43.0	32.0	27.0	24.0	21.0	18.0	17.0
62.5°	5435.8	3186.9	75.0	46.0	35.0	28.0	24.0	21.0	18.0	15.0	14.0
65°	5290.8	2934.9	59.0	36.0	27.0	24.0	20.0	17.0	14.0	11.0	10.0
67.5°	4647.8	2474.9	46.0	29.0	21.0	18.0	17.0	14.0	10.0	8.0	7.0
70°	3284.9	1694.9	36.0	22.0	16.0	14.0	13.0	11.0	8.0	6.0	5.0
72.5°	1802.9	855.0	26.0	16.0	12.0	11.0	10.0	9.0	7.0	5.0	5.0
75°	694.0	235.0	19.0	11.0	8.0	8.0	7.0	7.0	6.0	4.0	4.0
77.5°	181.0	70.0	12.0	7.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0
80°	58.0	23.0	7.0	5.0	4.0	3.0	3.0	2.0	3.0	2.0	2.0
82.5°	19.0	8.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
85°	7.0	4.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
87.5°	4.0	2.0	2.0	2.0	2.0	1.0	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)