

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: P630269

Luminaire Tested: GWS-SA1D-735-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630269
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-SA1D-735-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5015.4 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

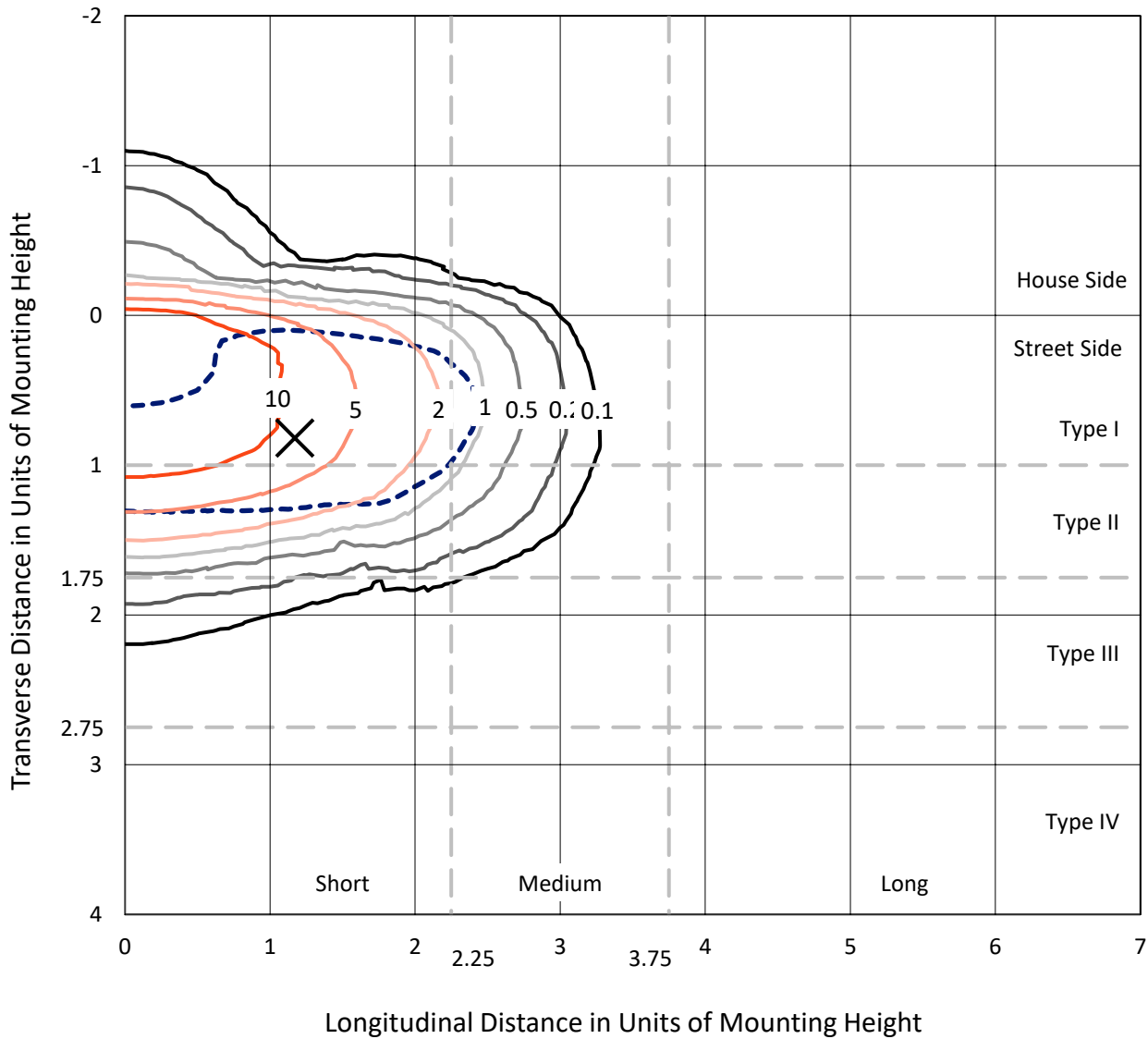
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630269
 CATALOG NUMBER: GWS-SA1D-735-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

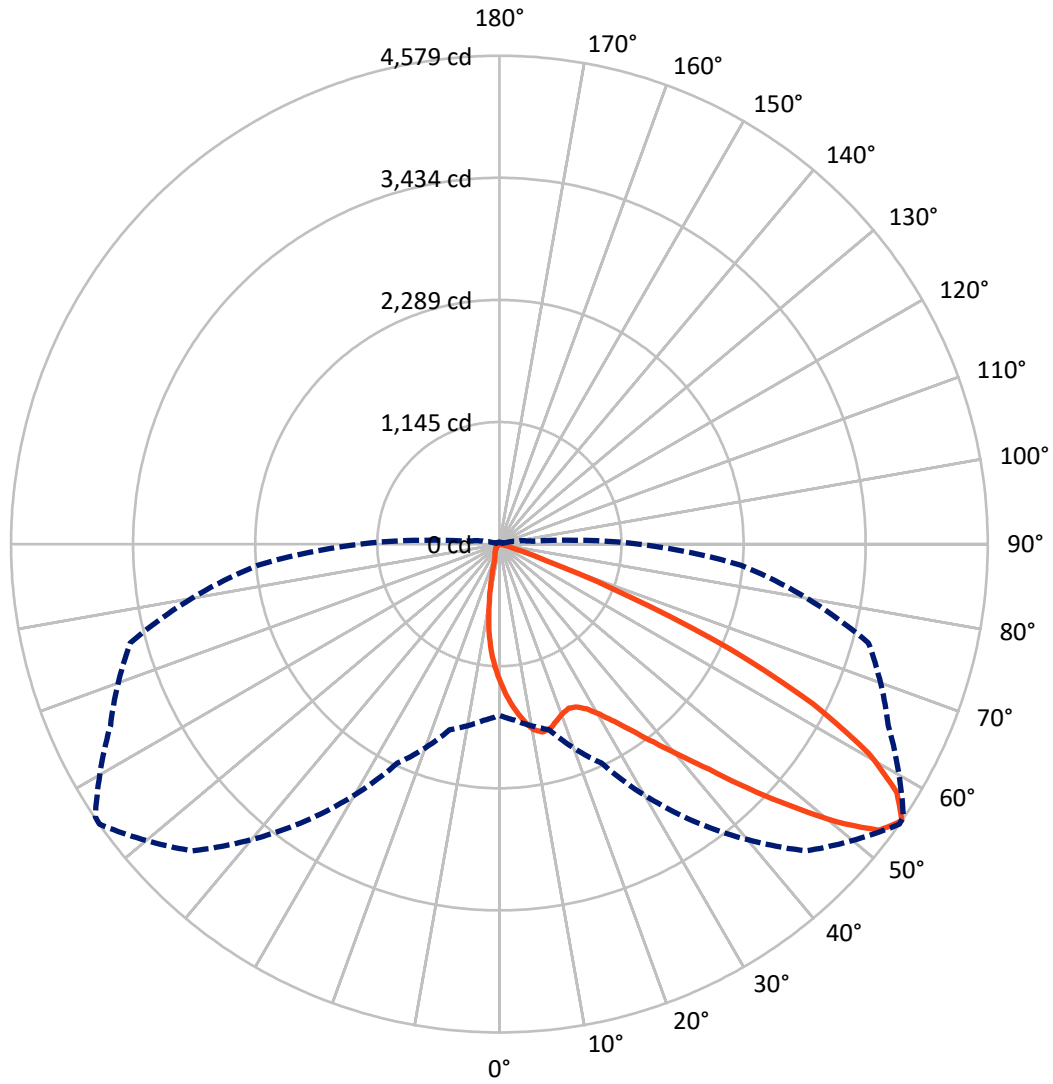
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type II - Short - N/A

REPORT NUMBER: P630269
CATALOG NUMBER: GWS-SA1D-735-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630269

CATALOG NUMBER: GWS-SA1D-735-U-AFL-W-HSS

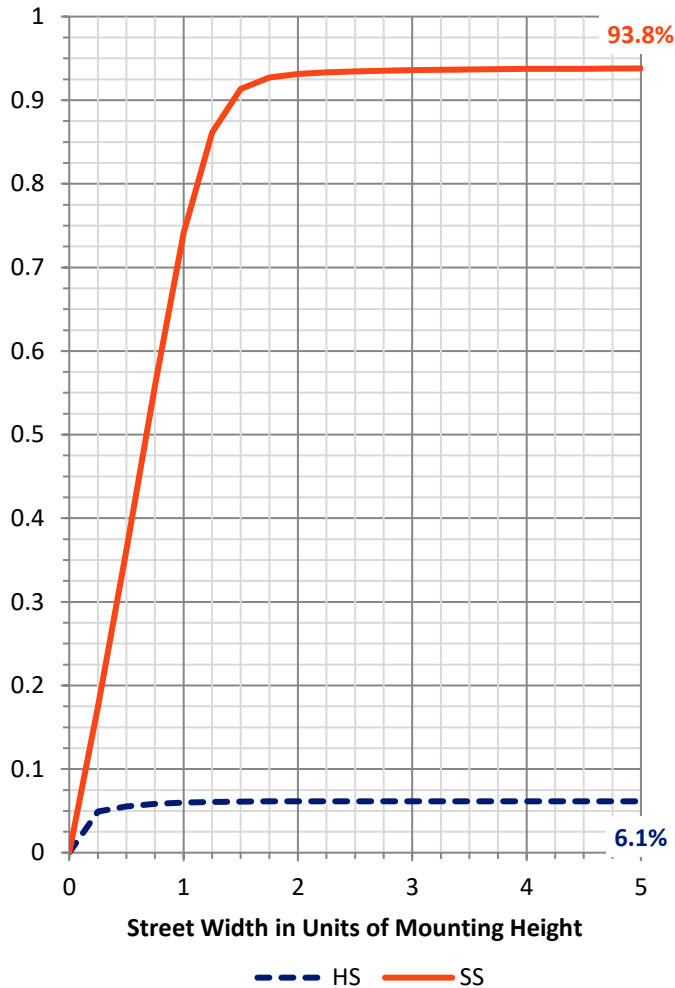
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	309.5	0.0	309.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4705.9	0.0	4705.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	5015.4	0.0	5015.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	2.3
10°-20°	276.1	5.5
20°-30°	459.8	9.2
30°-40°	783.4	15.6
40°-50°	1278.9	25.5
50°-60°	1338.9	26.7
60°-70°	675.3	13.5
70°-80°	85.3	1.7
80°-90°	3.2	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°	5015.4	100.0
0°-180°	5015.4	100.0

Coefficient of Utilization



REPORT NUMBER: P630269

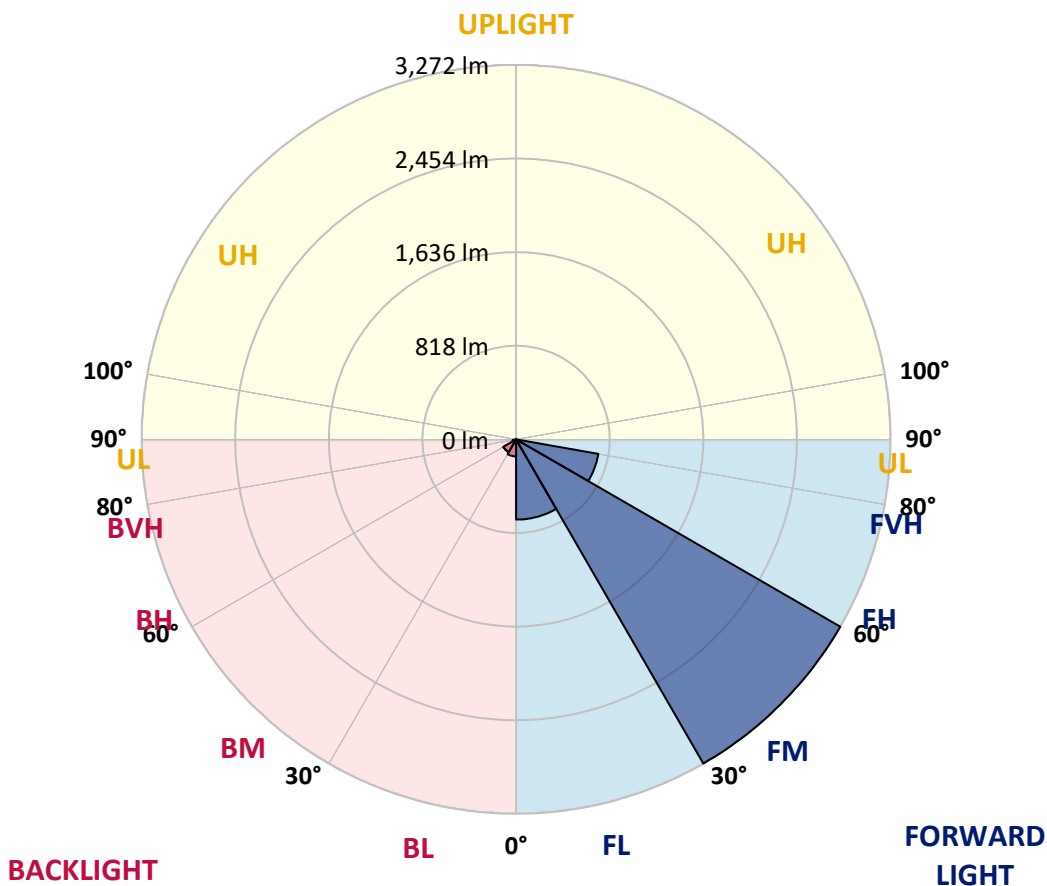
CATALOG NUMBER: GWS-SA1D-735-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.6	14.0			
FM (30°-60°)	3271.8	65.2			
FH (60°-80°)	729.6	14.5			G1/1800
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	148.7	3.0	B1/500		
BM (30°-60°)	129.4	2.6	B0/220		
BH (60°-80°)	31.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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





REPORT NUMBER: P630269

CATALOG NUMBER: GWS-SA1D-735-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7
2.5°	1510.5	1503.2	1514.3	1501.5	1479.6	1461.2	1437.2	1428.6	1390.0	1353.6	1318.4
5°	1694.0	1696.1	1692.7	1674.7	1643.8	1609.5	1561.1	1550.4	1483.0	1413.6	1338.6
7.5°	1739.4	1738.2	1745.4	1752.3	1747.2	1730.0	1677.3	1666.6	1582.9	1478.8	1369.4
10°	1599.2	1600.1	1615.1	1661.4	1718.9	1778.5	1770.3	1764.3	1682.4	1552.5	1403.7
12.5°	1401.2	1408.9	1424.7	1490.8	1588.1	1723.6	1807.6	1813.6	1773.7	1633.5	1444.0
15°	1315.4	1317.1	1330.0	1369.9	1442.3	1609.5	1791.8	1808.5	1850.1	1715.0	1487.8
17.5°	1313.3	1315.4	1321.0	1338.6	1385.7	1519.9	1740.7	1769.9	1907.5	1802.5	1540.1
20°	1393.9	1392.6	1388.7	1379.3	1399.9	1490.3	1693.6	1725.7	1938.8	1887.8	1592.8
22.5°	1540.1	1538.4	1521.2	1482.2	1465.5	1517.3	1670.4	1699.6	1957.7	1963.7	1636.1
25°	1708.6	1720.6	1688.4	1629.3	1588.1	1586.4	1691.0	1711.6	1974.0	2031.0	1665.7
27.5°	1893.4	1897.2	1869.8	1803.3	1743.7	1697.0	1750.6	1766.0	1992.0	2091.0	1682.4
30°	2096.2	2094.9	2063.6	1986.4	1913.9	1846.6	1850.9	1856.9	2034.0	2159.6	1700.9
32.5°	2349.6	2355.1	2299.4	2194.3	2107.3	2014.3	1982.1	1983.0	2109.9	2247.9	1728.7
35°	2693.8	2680.1	2606.4	2456.7	2308.4	2208.1	2153.2	2148.5	2226.9	2366.7	1777.2
37.5°	3021.8	3023.1	2945.9	2781.3	2593.9	2435.7	2358.1	2345.3	2391.6	2531.3	1857.8
40°	3249.5	3253.8	3221.6	3135.5	2936.9	2713.1	2599.1	2585.8	2605.1	2739.7	1963.3
42.5°	3370.0	3382.0	3391.0	3411.1	3260.7	3059.6	2884.2	2882.9	2862.8	2977.2	2085.4
45°	3374.7	3392.7	3447.6	3585.2	3602.4	3454.9	3264.1	3235.4	3157.8	3231.5	2194.8
47.5°	3188.2	3229.8	3346.4	3619.1	3799.2	3848.0	3659.0	3641.4	3423.6	3432.6	2276.7
50°	2753.4	2796.7	3011.5	3445.4	3848.9	4160.2	4092.4	4056.0	3645.7	3565.5	2316.1
52.5°	2307.5	2347.0	2492.8	3032.1	3642.7	4258.4	4457.7	4414.4	3845.0	3611.8	2299.8
55°	1605.7	1658.4	1800.8	2266.4	3167.6	4067.1	4578.6	4569.6	4023.0	3582.6	2274.5
57.5°	787.2	839.5	981.4	1397.3	2346.6	3550.9	4393.8	4441.4	4129.3	3551.3	2253.9
60°	328.9	350.3	399.2	613.1	1312.8	2683.6	3976.7	4042.7	4064.1	3508.9	2251.8
62.5°	190.8	194.2	199.4	254.2	510.6	1538.4	3298.8	3392.7	3721.6	3452.7	2217.9
65°	144.1	145.3	143.2	156.1	210.9	583.5	2383.4	2511.2	3106.3	3233.2	2084.2
67.5°	118.3	118.3	112.8	115.3	132.5	218.7	1315.8	1494.2	2298.5	2657.4	1721.0
70°	94.3	96.5	93.9	90.5	94.8	120.9	468.2	580.5	1338.6	1569.2	1003.7
72.5°	71.6	71.6	75.9	73.3	70.3	75.9	163.4	183.5	537.2	654.3	362.3
75°	55.3	57.0	60.0	57.5	53.2	45.0	78.5	83.2	162.1	152.2	81.0
77.5°	28.3	28.7	38.2	42.0	39.4	27.4	34.3	37.7	52.7	47.2	30.0
80°	17.2	18.0	21.4	33.0	26.2	14.6	14.1	15.0	24.9	21.4	12.4
82.5°	7.3	7.7	12.0	12.0	10.7	5.6	5.6	5.6	12.0	11.1	5.1
85°	0.0	0.0	2.1	1.7	1.7	2.1	2.1	2.1	3.0	4.3	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630269
 CATALOG NUMBER: GWS-SA1D-735-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7
2.5°	1295.7	1268.2	1231.4	1197.9	1152.9	1127.6	1092.5	1063.7	1039.3	1031.6	1028.1
5°	1296.1	1249.0	1170.1	1091.2	994.3	918.0	839.5	777.3	726.3	710.0	705.7
7.5°	1304.7	1235.2	1107.5	964.3	802.2	668.4	548.8	441.6	391.9	375.2	371.7
10°	1316.3	1223.7	1035.0	812.1	579.2	407.3	288.5	219.9	187.4	169.4	171.9
12.5°	1331.3	1214.2	954.8	647.4	383.3	223.8	158.6	132.9	126.1	122.6	120.9
15°	1351.4	1203.1	855.4	484.1	235.0	144.1	122.2	115.3	112.8	111.0	110.6
17.5°	1372.0	1190.2	754.2	340.4	156.1	119.6	109.8	106.3	104.6	103.3	102.9
20°	1393.9	1168.3	635.4	234.5	123.1	107.6	101.2	97.3	95.2	93.0	92.6
22.5°	1403.3	1133.2	521.8	164.2	109.3	99.0	90.9	86.2	83.6	81.9	81.9
25°	1394.3	1076.2	404.3	124.8	99.5	89.6	81.5	76.3	74.2	72.5	72.5
27.5°	1370.3	1002.8	295.0	103.3	88.8	79.7	72.0	67.3	65.6	64.7	64.7
30°	1343.7	910.2	207.9	88.8	76.7	69.5	63.0	60.0	59.6	58.7	58.7
32.5°	1321.0	823.6	143.2	78.0	67.7	60.5	56.2	54.9	55.3	54.5	54.9
35°	1308.5	738.7	106.3	69.5	60.5	53.6	51.5	51.5	51.5	51.0	51.0
37.5°	1313.7	655.1	86.6	63.5	54.0	48.9	46.7	47.6	48.4	48.4	48.4
40°	1339.4	581.0	76.7	57.9	48.4	44.6	42.9	44.2	45.4	46.3	46.3
42.5°	1372.0	520.9	69.5	53.2	44.6	40.3	39.4	40.7	42.0	42.9	42.9
45°	1392.6	460.5	62.2	47.2	40.7	35.6	35.6	37.3	36.9	37.3	37.3
47.5°	1402.0	412.5	54.9	40.7	34.7	30.9	31.3	32.2	31.3	32.2	32.2
50°	1378.9	364.0	48.4	33.9	28.7	27.0	27.9	27.4	27.4	29.2	29.2
52.5°	1336.4	328.0	42.9	28.7	24.4	24.0	24.9	23.2	23.6	23.6	23.2
55°	1305.1	307.4	38.2	24.9	21.0	21.4	21.0	18.0	16.3	14.6	14.1
57.5°	1289.7	299.3	34.7	22.3	18.9	18.9	17.2	12.4	9.4	7.3	6.4
60°	1286.3	289.4	31.3	19.3	16.7	15.9	12.4	7.3	4.7	3.4	3.0
62.5°	1253.7	265.4	28.3	15.4	14.6	12.9	7.7	4.3	2.6	1.7	1.3
65°	1146.9	218.2	25.3	12.0	11.1	9.4	4.7	2.6	1.3	0.4	0.0
67.5°	912.4	154.8	22.3	9.0	7.7	6.0	3.0	1.7	0.4	0.0	0.0
70°	526.1	83.6	18.4	6.4	5.1	3.9	2.1	0.9	0.0	0.0	0.0
72.5°	175.8	39.0	14.1	4.3	3.9	3.0	1.3	0.4	0.0	0.0	0.0
75°	38.6	23.2	9.4	3.0	2.6	2.1	0.9	0.0	0.0	0.0	0.0
77.5°	14.6	16.3	4.7	2.1	1.7	1.3	0.4	0.0	0.0	0.0	0.0
80°	5.6	10.7	2.1	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.0	4.3	1.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	2.1	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.4	0.4	0.4	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)