

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: P634407

Luminaire Tested: GWS-SA3B-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8268.4 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

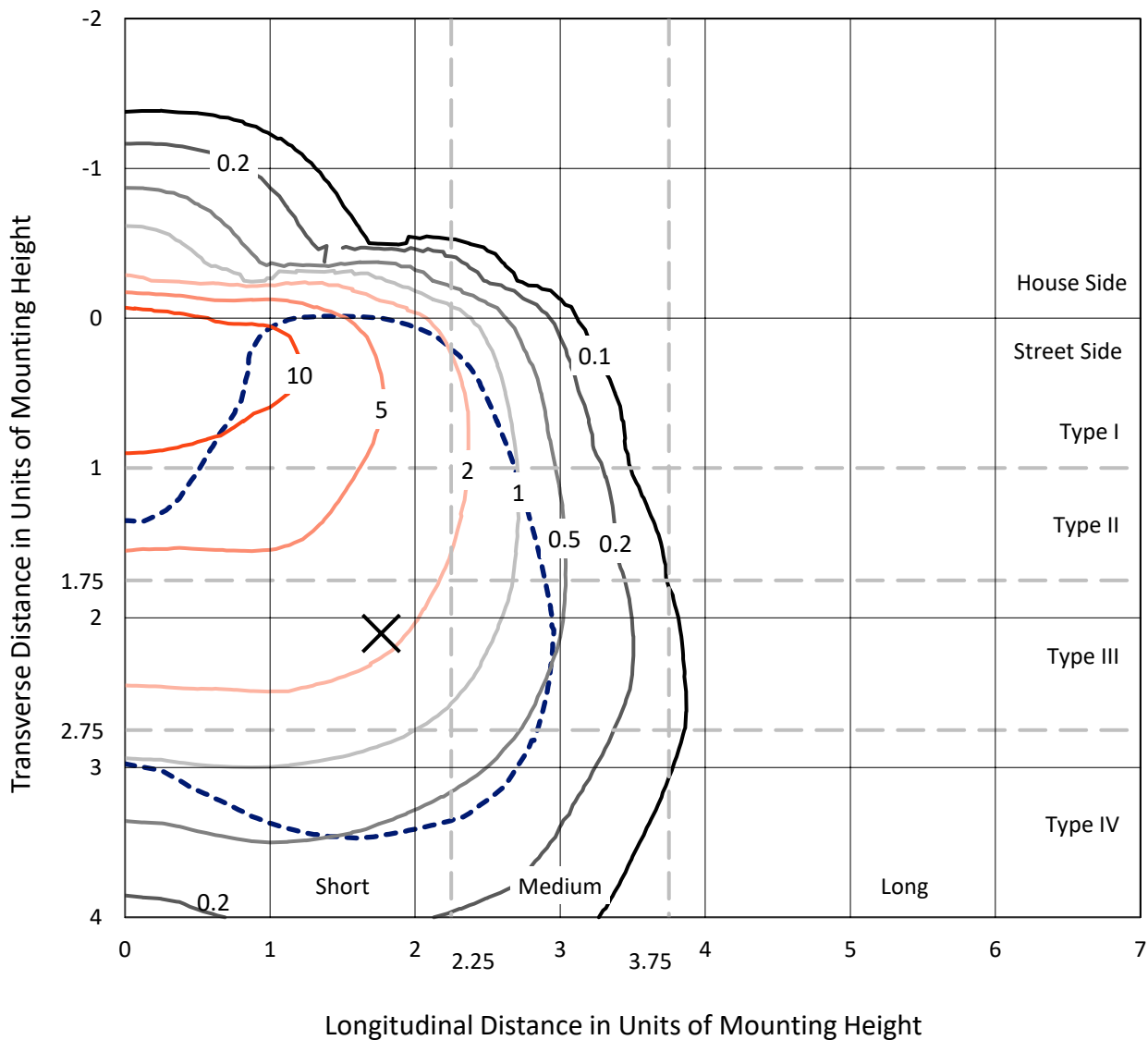
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634407
 CATALOG NUMBER: GWS-SA3B-760-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

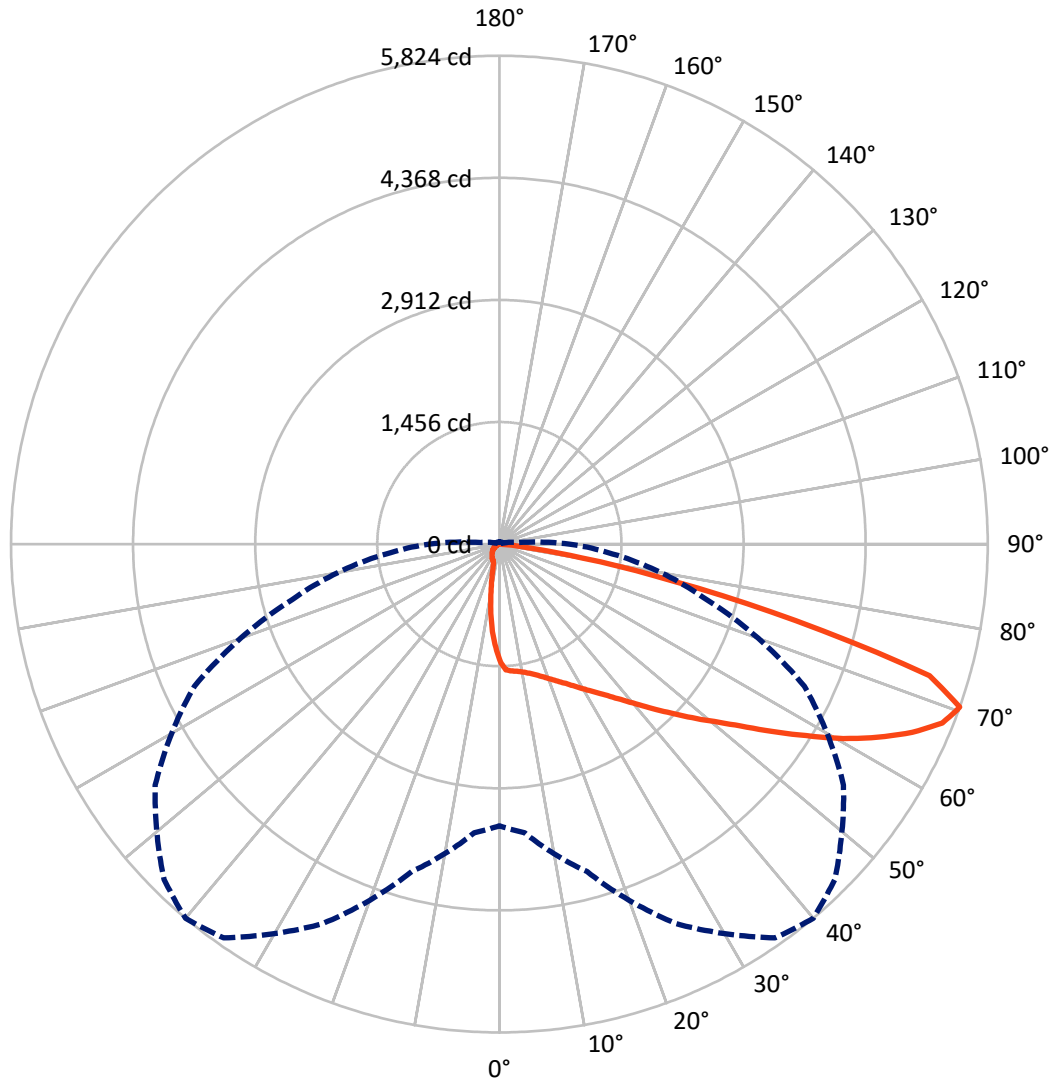
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P634407
CATALOG NUMBER: GWS-SA3B-760-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P634407
 CATALOG NUMBER: GWS-SA3B-760-U-SL4-W-HSS

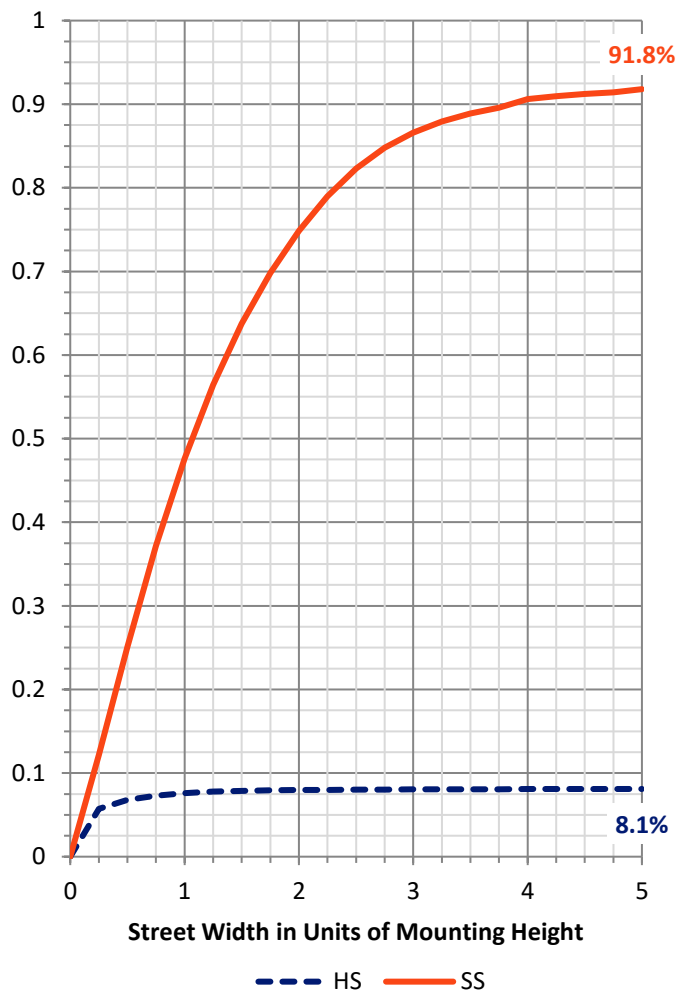
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	676.1	0.0	676.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	7592.2	0.0	7592.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	8268.4	0.0	8268.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.4
10°-20°	300.8	3.6
20°-30°	503.4	6.1
30°-40°	790.6	9.6
40°-50°	1250.6	15.1
50°-60°	1824.2	22.1
60°-70°	2261.4	27.4
70°-80°	1144.1	13.8
80°-90°	74.7	0.9
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°	8268.4	100.0
0°-180°	8268.4	100.0

Coefficient of Utilization



REPORT NUMBER: P634407

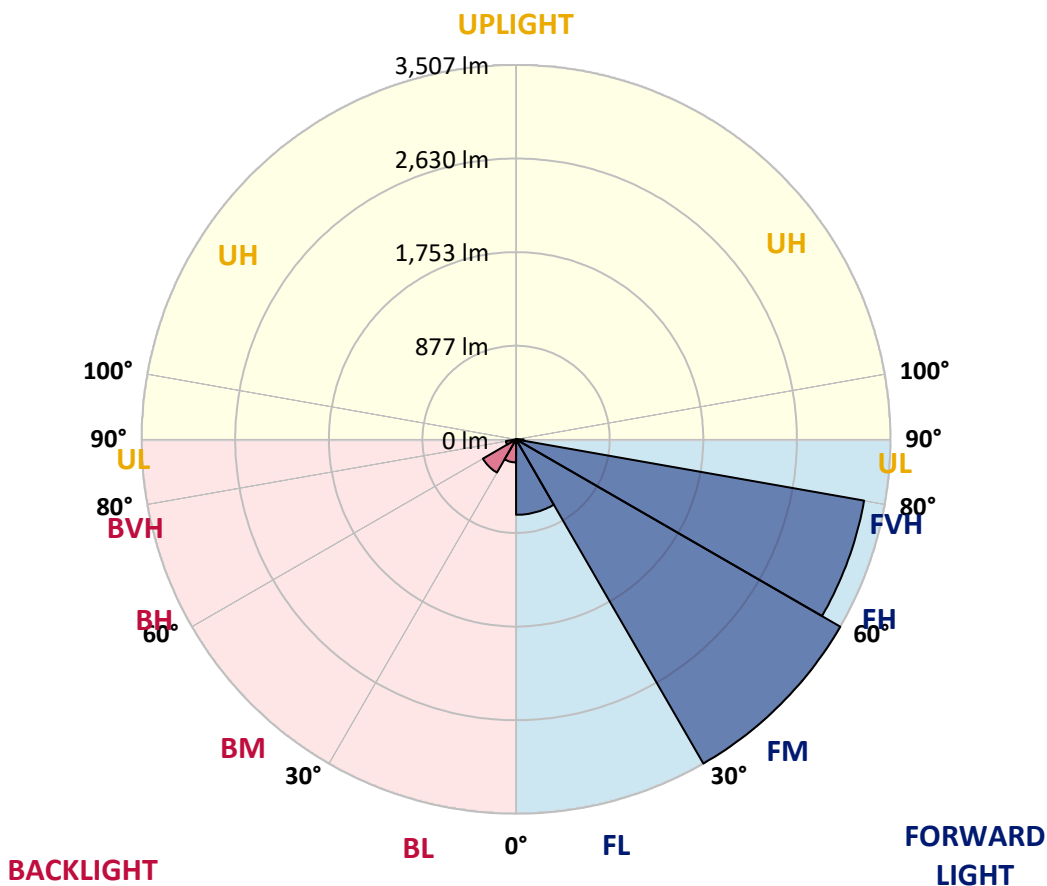
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.8	8.5			
FM (30°-60°)	3506.5	42.4			
FH (60°-80°)	3309.2	40.0			G2/5000
FVH (80°-90°)	69.8	0.8			G1/100
BL (0°-30°)	215.9	2.6	B1/500		
BM (30°-60°)	358.9	4.3	B1/1000		
BH (60°-80°)	96.4	1.2	B0/110		G0/110
BVH (80°-90°)	4.9	0.1			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 IV Short





REPORT NUMBER: P634407

CATALOG NUMBER: GWS-SA3B-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0
2.5°	1508.4	1513.6	1512.9	1515.1	1509.9	1501.6	1500.1	1488.8	1468.5	1442.9	1414.3
5°	1539.2	1545.2	1540.7	1538.5	1528.7	1519.7	1517.4	1505.4	1482.0	1447.4	1397.8
7.5°	1565.5	1567.1	1564.0	1558.8	1544.5	1532.4	1524.2	1507.6	1479.8	1445.2	1388.0
10°	1570.1	1569.3	1570.8	1571.6	1562.5	1552.0	1545.2	1522.7	1487.3	1450.4	1388.8
12.5°	1564.8	1564.8	1574.6	1585.9	1585.9	1580.6	1573.8	1553.5	1512.1	1468.5	1403.8
15°	1571.6	1573.8	1592.6	1613.7	1620.5	1615.2	1612.2	1591.1	1548.2	1500.1	1430.9
17.5°	1595.6	1597.9	1628.0	1659.6	1667.9	1661.8	1655.8	1634.8	1588.9	1536.2	1461.7
20°	1631.0	1637.0	1675.4	1716.0	1723.5	1716.0	1704.0	1674.6	1628.7	1575.3	1491.1
22.5°	1695.7	1699.5	1740.8	1783.7	1787.5	1775.4	1757.4	1716.8	1668.6	1616.7	1524.2
25°	1781.5	1786.7	1828.1	1869.5	1859.7	1841.6	1816.8	1770.9	1716.0	1665.6	1566.3
27.5°	1883.8	1889.8	1930.4	1966.5	1940.9	1919.9	1892.0	1834.9	1779.2	1733.3	1620.5
30°	1994.4	1999.6	2035.7	2068.1	2034.2	2009.4	1976.3	1917.6	1861.2	1826.6	1697.2
32.5°	2101.2	2100.4	2135.0	2161.4	2126.8	2107.2	2077.1	2017.7	1972.5	1957.5	1811.5
35°	2200.5	2200.5	2229.1	2255.4	2230.6	2220.1	2192.2	2144.8	2119.2	2137.3	1964.3
37.5°	2300.5	2295.3	2322.4	2351.7	2349.4	2350.2	2334.4	2311.8	2313.3	2377.3	2174.2
40°	2383.3	2381.0	2412.6	2451.0	2481.1	2505.2	2495.4	2503.7	2551.1	2670.7	2442.7
42.5°	2449.5	2454.8	2495.4	2556.3	2632.3	2681.2	2688.0	2721.8	2843.7	3028.8	2745.9
45°	2525.5	2526.2	2582.7	2675.9	2797.1	2874.6	2901.6	2988.9	3161.9	3400.4	3078.4
47.5°	2618.8	2609.7	2672.9	2803.8	2979.1	3093.5	3141.6	3250.7	3518.5	3763.0	3349.3
50°	2721.8	2705.3	2776.8	2955.1	3183.0	3325.9	3423.7	3583.2	3872.1	4060.9	3550.9
52.5°	2841.5	2825.7	2906.9	3128.8	3427.5	3601.3	3726.9	3887.9	4175.3	4288.1	3671.2
55°	2993.4	2977.6	3063.4	3337.2	3716.4	3942.1	4073.7	4209.1	4457.4	4455.9	3758.5
57.5°	3161.9	3140.1	3259.0	3600.5	4076.7	4311.5	4445.4	4511.6	4671.8	4586.0	3817.2
60°	3355.3	3335.7	3500.5	3914.2	4492.8	4710.2	4794.4	4767.4	4847.9	4662.8	3796.9
62.5°	3529.8	3520.8	3725.4	4246.8	4889.2	5072.8	5096.1	4978.0	4977.2	4664.3	3660.0
65°	3711.1	3728.4	4032.4	4629.7	5288.0	5411.3	5371.5	5187.1	5029.2	4480.0	3255.2
67.5°	3778.8	3829.2	4234.7	4975.7	5602.4	5698.7	5628.7	5291.7	4813.2	3860.1	2478.8
70°	3360.5	3455.3	4043.6	4995.3	5732.6	5824.3	5656.6	5010.3	4012.8	2557.1	1357.9
72.5°	2555.6	2666.2	3369.6	4090.3	5155.5	5364.7	5078.1	4082.0	2586.4	1120.2	455.9
75°	1430.1	1549.7	2509.7	3079.9	3461.4	3652.4	3547.1	2618.8	1145.8	292.6	136.2
77.5°	483.7	523.6	1167.6	1905.6	2284.7	2113.2	1789.0	1300.7	421.3	111.3	72.2
80°	286.6	301.7	434.8	948.7	1202.2	996.8	786.9	480.7	214.4	59.4	50.4
82.5°	85.8	101.6	240.0	352.1	470.9	293.4	248.3	274.6	111.3	32.3	42.1
85°	0.0	0.0	51.2	109.1	123.4	48.1	48.1	155.7	20.3	13.5	30.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.8	2.3	3.0	6.8
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: P634407

CATALOG NUMBER: GWS-SA3B-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0	1403.0
2.5°	1394.0	1367.7	1336.8	1307.5	1279.7	1243.6	1226.3	1205.2	1187.1	1177.4	1182.6
5°	1366.2	1324.8	1261.6	1197.7	1133.0	1072.0	1017.1	980.3	947.2	929.8	933.6
7.5°	1342.1	1286.4	1187.9	1083.3	979.5	874.9	789.9	723.7	672.6	651.5	647.7
10°	1331.6	1261.6	1122.4	972.0	812.5	671.8	551.4	478.5	426.6	401.0	405.5
12.5°	1336.8	1248.8	1066.8	862.9	656.0	492.0	376.9	308.4	271.6	256.5	252.8
15°	1351.9	1245.8	1017.1	751.6	506.3	343.8	260.3	232.5	224.9	223.4	223.4
17.5°	1369.2	1246.6	966.0	638.7	384.4	255.0	222.7	217.4	215.2	213.7	214.4
20°	1386.5	1246.6	907.3	524.4	288.9	220.4	212.1	208.4	206.1	205.4	205.4
22.5°	1407.6	1246.6	841.8	418.3	231.7	209.1	202.4	200.1	197.9	197.1	196.4
25°	1433.1	1247.3	769.6	327.3	210.6	199.4	194.1	191.8	189.6	188.1	188.1
27.5°	1470.0	1253.3	689.9	255.0	198.6	190.3	185.8	183.6	181.3	179.0	179.0
30°	1523.4	1268.4	600.3	210.6	187.3	180.6	176.0	174.5	172.3	170.0	169.3
32.5°	1603.2	1294.7	507.8	188.8	176.8	170.0	164.8	163.3	161.0	158.7	158.0
35°	1714.5	1342.9	417.5	175.3	163.3	156.5	153.5	152.7	149.7	147.5	147.5
37.5°	1877.8	1421.1	331.0	161.7	152.0	146.7	142.9	141.4	138.4	136.2	135.4
40°	2077.1	1522.7	257.3	151.2	141.4	136.2	132.4	130.1	126.4	123.4	121.9
42.5°	2331.4	1646.8	203.1	139.9	131.7	126.4	123.4	118.9	113.6	109.1	108.3
45°	2596.2	1774.7	167.8	129.4	122.6	118.1	114.4	108.3	100.8	95.5	94.0
47.5°	2799.3	1854.4	146.7	118.1	112.8	109.1	104.6	97.0	88.0	82.0	80.5
50°	2944.5	1866.5	130.9	107.6	104.6	100.8	94.0	85.0	75.2	69.2	67.7
52.5°	3016.0	1812.3	118.1	97.8	95.5	91.8	83.5	73.7	63.2	57.2	55.7
55°	3048.3	1710.0	106.1	89.5	86.5	82.0	73.0	62.4	51.9	46.6	45.1
57.5°	3035.5	1558.8	95.5	81.2	77.5	72.2	62.4	51.2	42.9	37.6	36.9
60°	2940.8	1346.6	85.0	73.0	68.5	62.4	52.7	42.1	34.6	30.8	30.1
62.5°	2736.1	1083.3	74.5	63.2	60.2	54.2	45.1	34.6	28.6	26.3	25.6
65°	2317.1	765.8	63.9	53.4	51.9	45.9	37.6	28.6	24.8	23.3	22.6
67.5°	1665.6	465.7	54.2	45.9	44.4	39.1	31.6	24.8	22.6	21.8	21.8
70°	837.3	220.4	42.9	37.6	37.6	32.3	27.1	22.6	21.8	21.1	21.1
72.5°	284.4	94.0	32.3	29.3	30.8	27.8	23.3	21.1	21.1	21.1	21.1
75°	97.0	49.7	22.6	21.1	22.6	22.6	20.3	20.3	21.1	21.1	21.1
77.5°	63.2	33.1	15.8	14.3	17.3	17.3	17.3	18.8	20.3	20.3	20.3
80°	51.9	18.1	10.5	9.8	12.8	12.8	14.3	17.3	18.8	18.8	18.8
82.5°	44.4	11.3	6.0	6.8	9.0	9.8	12.0	14.3	16.6	17.3	17.3
85°	30.1	6.0	4.5	5.3	6.0	7.5	9.8	12.0	13.5	15.0	15.0
87.5°	8.3	2.3	3.0	3.8	3.8	5.3	7.5	9.0	10.5	11.3	11.3
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)