

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: P634297

Luminaire Tested: GWS-SA3B-740-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634297
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8195.5 lumens
Efficiency: N/A
Efficacy: 120.0 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

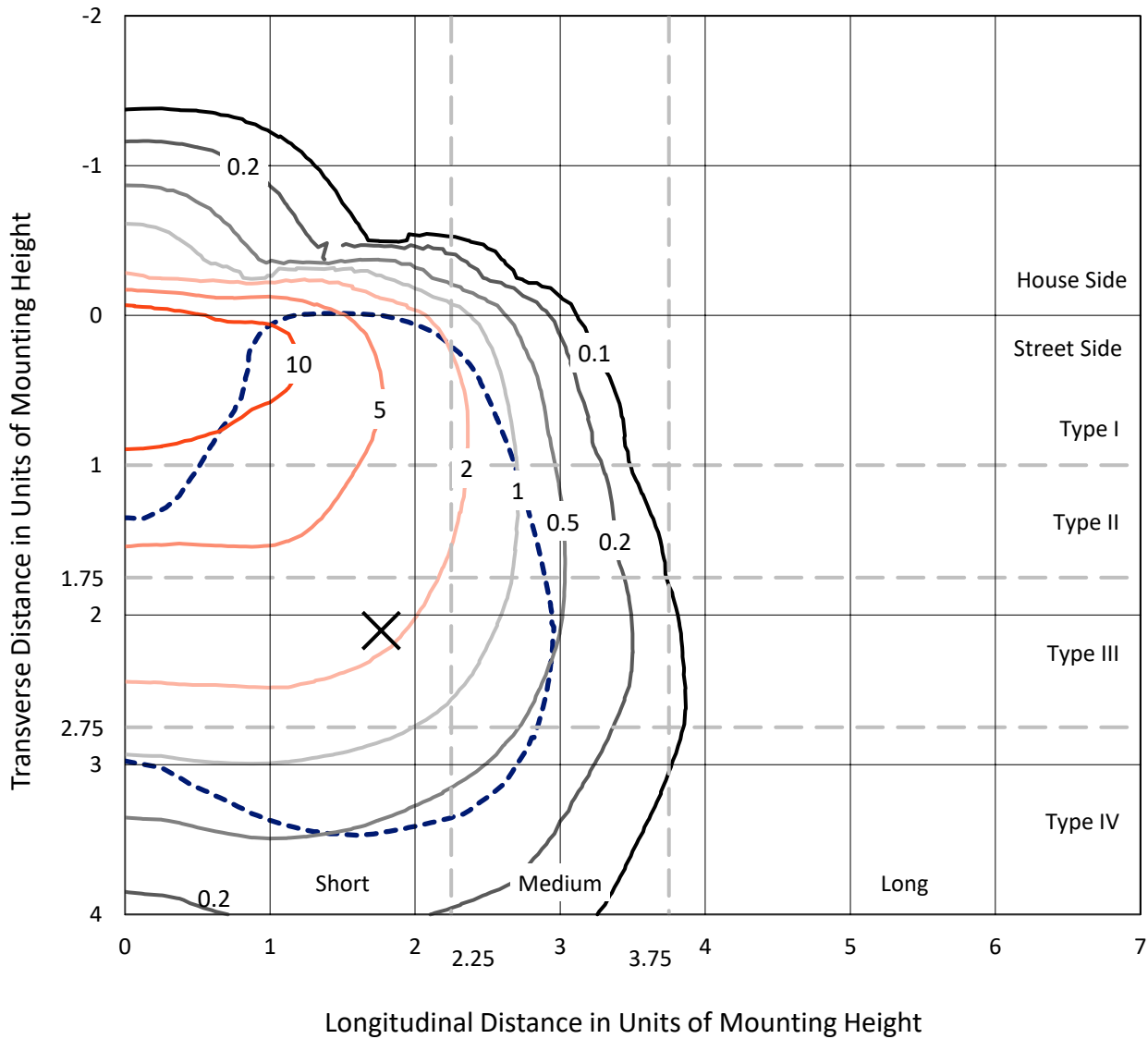
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

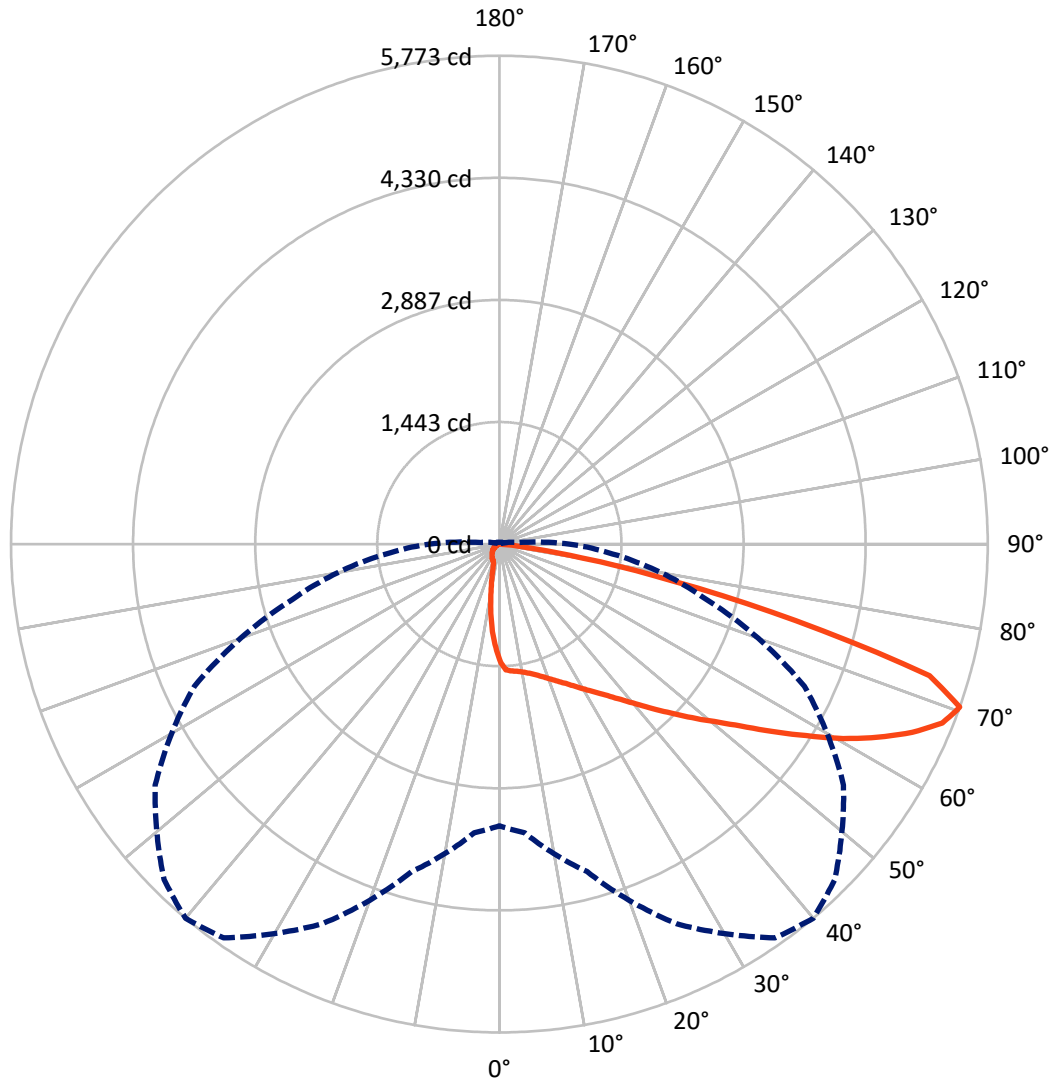
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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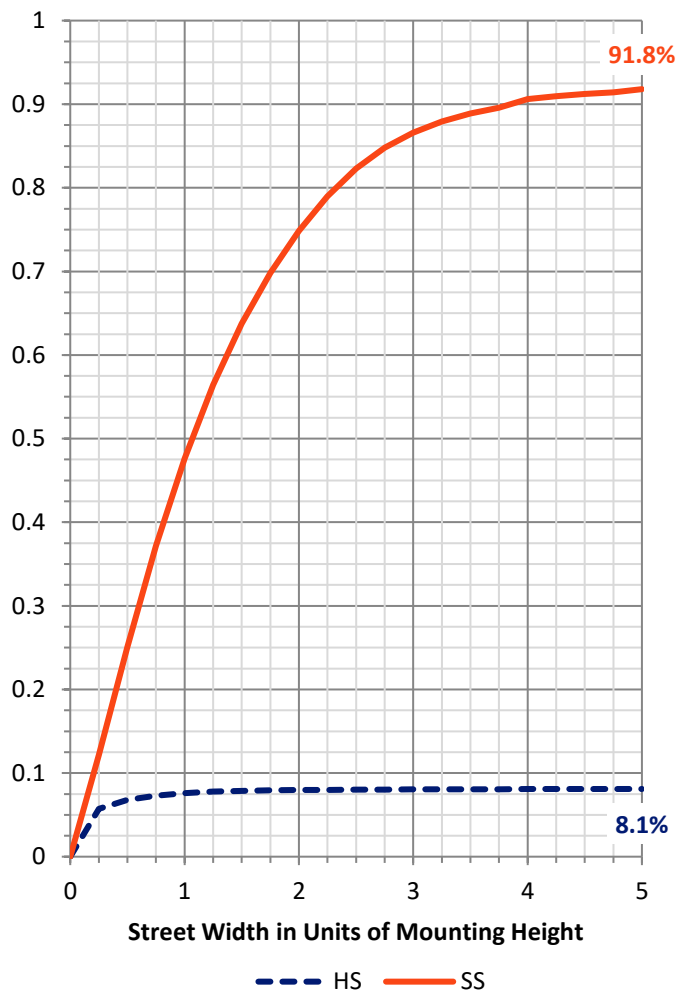
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.2	0.0	670.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	7525.3	0.0	7525.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	8195.5	0.0	8195.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	1.4
10°-20°	298.1	3.6
20°-30°	498.9	6.1
30°-40°	783.6	9.6
40°-50°	1239.5	15.1
50°-60°	1808.2	22.1
60°-70°	2241.5	27.4
70°-80°	1134.1	13.8
80°-90°	74.0	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°	8195.5	100.0
0°-180°	8195.5	100.0

Coefficient of Utilization



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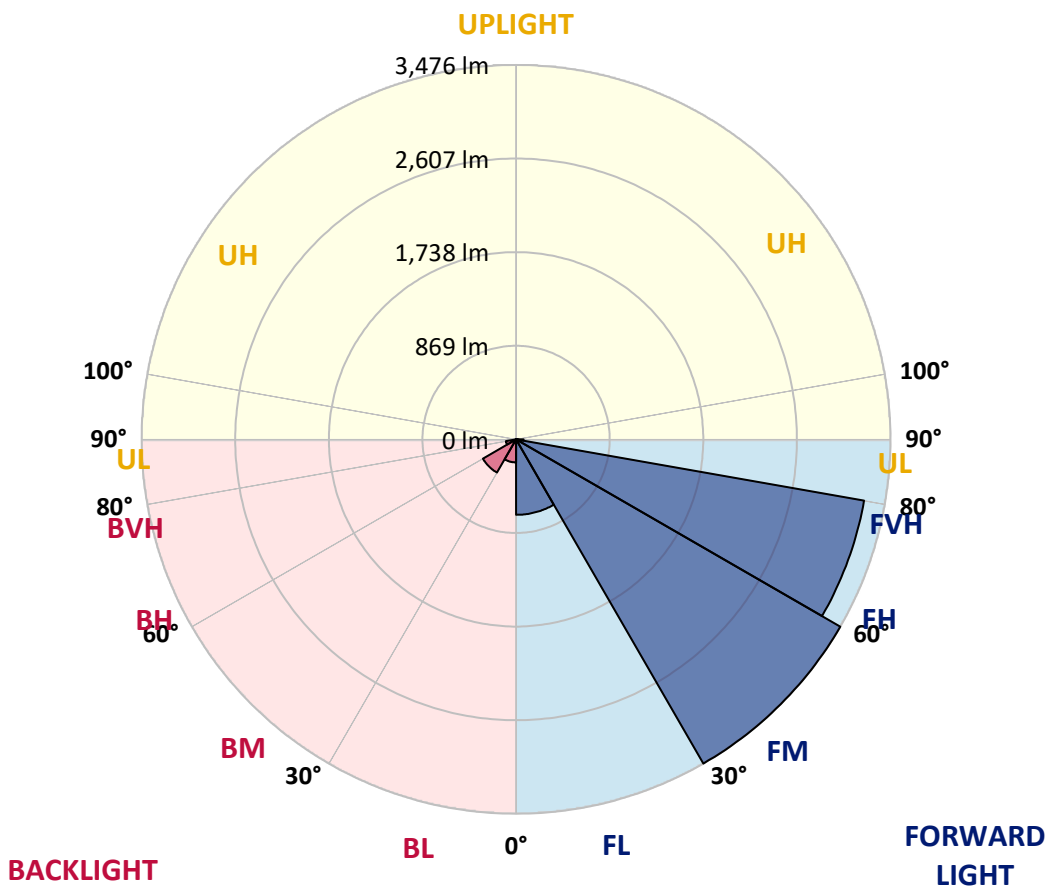
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.6	8.5			
FM (30°-60°)	3475.6	42.4			
FH (60°-80°)	3280.0	40.0			G2/5000
FVH (80°-90°)	69.2	0.8			G1/100
BL (0°-30°)	214.0	2.6	B1/500		
BM (30°-60°)	355.7	4.3	B1/1000		
BH (60°-80°)	95.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7
2.5°	1495.1	1500.3	1499.5	1501.8	1496.6	1488.4	1486.9	1475.7	1455.6	1430.2	1401.9
5°	1525.6	1531.6	1527.1	1524.9	1515.2	1506.3	1504.0	1492.1	1469.0	1434.7	1385.5
7.5°	1551.7	1553.2	1550.3	1545.0	1530.9	1518.9	1510.7	1494.3	1466.7	1432.4	1375.8
10°	1556.2	1555.5	1557.0	1557.7	1548.8	1538.3	1531.6	1509.2	1474.2	1437.7	1376.5
12.5°	1551.0	1551.0	1560.7	1571.9	1571.9	1566.7	1559.9	1539.8	1498.8	1455.6	1391.4
15°	1557.7	1559.9	1578.6	1599.5	1606.2	1601.0	1598.0	1577.1	1534.6	1486.9	1418.3
17.5°	1581.6	1583.8	1613.6	1645.0	1653.2	1647.2	1641.2	1620.3	1574.9	1522.7	1448.8
20°	1616.6	1622.6	1660.6	1700.9	1708.3	1700.9	1688.9	1659.9	1614.4	1561.4	1477.9
22.5°	1680.7	1684.5	1725.5	1768.0	1771.7	1759.8	1741.9	1701.6	1653.9	1602.4	1510.7
25°	1765.8	1771.0	1812.0	1853.0	1843.3	1825.4	1800.8	1755.3	1700.9	1650.9	1552.5
27.5°	1867.2	1873.1	1913.4	1949.2	1923.8	1903.0	1875.4	1818.7	1763.5	1718.0	1606.2
30°	1976.8	1982.0	2017.8	2049.9	2016.3	1991.7	1958.9	1900.7	1844.8	1810.5	1682.2
32.5°	2082.7	2081.9	2116.2	2142.3	2108.0	2088.6	2058.8	1999.9	1955.2	1940.2	1795.6
35°	2181.1	2181.1	2209.4	2235.5	2210.9	2200.5	2172.9	2125.9	2100.6	2118.5	1946.9
37.5°	2280.3	2275.0	2301.9	2331.0	2328.7	2329.5	2313.8	2291.4	2292.9	2356.3	2155.0
40°	2362.3	2360.1	2391.4	2429.4	2459.2	2483.1	2473.4	2481.6	2528.6	2647.1	2421.2
42.5°	2427.9	2433.1	2473.4	2533.8	2609.1	2657.6	2664.3	2697.8	2818.6	3002.1	2721.7
45°	2503.2	2504.0	2559.9	2652.4	2772.4	2849.2	2876.1	2962.6	3134.1	3370.4	3051.3
47.5°	2595.7	2586.7	2649.4	2779.1	2952.9	3066.2	3113.9	3222.0	3487.5	3729.9	3319.7
50°	2697.8	2681.4	2752.3	2929.0	3154.9	3296.6	3393.6	3551.6	3838.0	4025.1	3519.6
52.5°	2816.4	2800.7	2881.3	3101.2	3397.3	3569.5	3694.1	3853.6	4138.5	4250.3	3638.9
55°	2967.0	2951.4	3036.4	3307.8	3683.6	3907.3	4037.8	4172.0	4418.1	4416.6	3725.4
57.5°	3134.1	3112.4	3230.3	3568.8	4040.8	4273.4	4406.2	4471.8	4630.6	4545.6	3783.5
60°	3325.7	3306.3	3469.6	3879.7	4453.2	4668.7	4752.2	4725.3	4805.1	4621.7	3763.4
62.5°	3498.7	3489.7	3692.6	4209.3	4846.1	5028.1	5051.2	4934.1	4933.4	4623.2	3627.7
65°	3678.4	3695.5	3996.8	4588.9	5241.3	5363.6	5324.1	5141.4	4984.8	4440.5	3226.5
67.5°	3745.5	3795.5	4197.4	4931.9	5553.0	5648.5	5579.1	5245.1	4770.8	3826.0	2457.0
70°	3330.9	3424.9	4008.0	4951.3	5682.0	5773.0	5606.7	4966.2	3977.4	2534.5	1345.9
72.5°	2533.0	2642.7	3339.9	4054.2	5110.1	5317.4	5033.3	4046.0	2563.6	1110.3	451.9
75°	1417.5	1536.1	2487.6	3052.8	3430.8	3620.2	3515.8	2595.7	1135.7	290.1	135.0
77.5°	479.5	519.0	1157.3	1888.8	2264.6	2094.6	1773.2	1289.3	417.6	110.4	71.6
80°	284.1	299.0	431.0	940.3	1191.6	988.0	780.0	476.5	212.5	58.9	50.0
82.5°	85.0	100.7	237.9	349.0	466.8	290.8	246.1	272.2	110.4	32.1	41.8
85°	0.0	0.0	50.7	108.1	122.3	47.7	47.7	154.4	20.1	13.4	30.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.7	2.2	3.0	6.7
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°	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7
2.5°	1381.7	1355.6	1325.1	1296.0	1268.4	1232.6	1215.4	1194.6	1176.7	1167.0	1172.2
5°	1354.1	1313.1	1250.5	1187.1	1123.0	1062.6	1008.1	971.6	938.8	921.7	925.4
7.5°	1330.3	1275.1	1177.4	1073.8	970.9	867.2	783.0	717.3	666.6	645.8	642.0
10°	1319.8	1250.5	1112.5	963.4	805.3	665.9	546.6	474.2	422.8	397.4	401.9
12.5°	1325.1	1237.8	1057.4	855.3	650.2	487.7	373.6	305.7	269.2	254.3	250.5
15°	1340.0	1234.8	1008.1	744.9	501.8	340.8	258.0	230.4	223.0	221.5	221.5
17.5°	1357.1	1235.6	957.4	633.1	381.0	252.8	220.7	215.5	213.3	211.8	212.5
20°	1374.3	1235.6	899.3	519.7	286.3	218.5	210.3	206.6	204.3	203.6	203.6
22.5°	1395.2	1235.6	834.4	414.6	229.7	207.3	200.6	198.3	196.1	195.4	194.6
25°	1420.5	1236.3	762.8	324.4	208.8	197.6	192.4	190.1	187.9	186.4	186.4
27.5°	1457.0	1242.3	683.8	252.8	196.9	188.7	184.2	181.9	179.7	177.5	177.5
30°	1510.0	1257.2	595.0	208.8	185.7	179.0	174.5	173.0	170.8	168.5	167.8
32.5°	1589.0	1283.3	503.3	187.2	175.2	168.5	163.3	161.8	159.6	157.3	156.6
35°	1699.4	1331.0	413.8	173.7	161.8	155.1	152.1	151.4	148.4	146.2	146.2
37.5°	1861.2	1408.6	328.1	160.3	150.6	145.4	141.7	140.2	137.2	135.0	134.2
40°	2058.8	1509.2	255.0	149.9	140.2	135.0	131.2	129.0	125.3	122.3	120.8
42.5°	2310.8	1632.3	201.3	138.7	130.5	125.3	122.3	117.8	112.6	108.1	107.4
45°	2573.3	1759.0	166.3	128.3	121.5	117.1	113.3	107.4	99.9	94.7	93.2
47.5°	2774.6	1838.1	145.4	117.1	111.9	108.1	103.6	96.2	87.2	81.3	79.8
50°	2918.6	1850.0	129.7	106.6	103.6	99.9	93.2	84.3	74.6	68.6	67.1
52.5°	2989.4	1796.3	117.1	96.9	94.7	91.0	82.8	73.1	62.6	56.7	55.2
55°	3021.5	1694.9	105.1	88.7	85.8	81.3	72.3	61.9	51.5	46.2	44.7
57.5°	3008.8	1545.0	94.7	80.5	76.8	71.6	61.9	50.7	42.5	37.3	36.5
60°	2914.8	1334.8	84.3	72.3	67.9	61.9	52.2	41.8	34.3	30.6	29.8
62.5°	2712.0	1073.8	73.8	62.6	59.7	53.7	44.7	34.3	28.3	26.1	25.4
65°	2296.7	759.1	63.4	52.9	51.5	45.5	37.3	28.3	24.6	23.1	22.4
67.5°	1650.9	461.6	53.7	45.5	44.0	38.8	31.3	24.6	22.4	21.6	21.6
70°	829.9	218.5	42.5	37.3	37.3	32.1	26.8	22.4	21.6	20.9	20.9
72.5°	281.9	93.2	32.1	29.1	30.6	27.6	23.1	20.9	20.9	20.9	20.9
75°	96.2	49.2	22.4	20.9	22.4	22.4	20.1	20.1	20.9	20.9	20.9
77.5°	62.6	32.8	15.7	14.2	17.2	17.2	17.2	18.6	20.1	20.1	20.1
80°	51.5	17.9	10.4	9.7	12.7	12.7	14.2	17.2	18.6	18.6	18.6
82.5°	44.0	11.2	6.0	6.7	8.9	9.7	11.9	14.2	16.4	17.2	17.2
85°	29.8	6.0	4.5	5.2	6.0	7.5	9.7	11.9	13.4	14.9	14.9
87.5°	8.2	2.2	3.0	3.7	3.7	5.2	7.5	8.9	10.4	11.2	11.2
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)