

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: P630075

Luminaire Tested: GWS-SA1C-830-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630075
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-SA1C-830-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2860.1 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

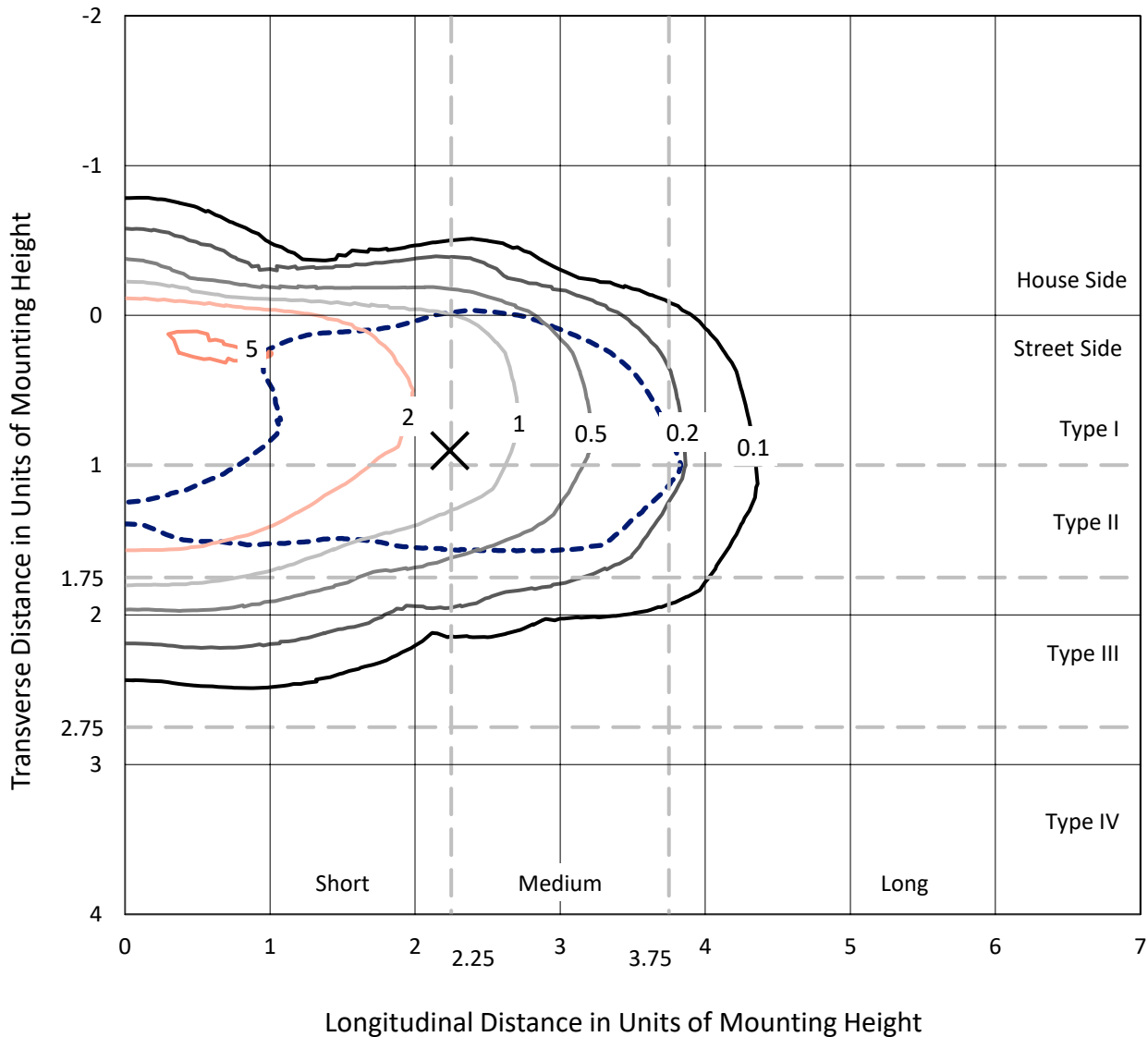
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

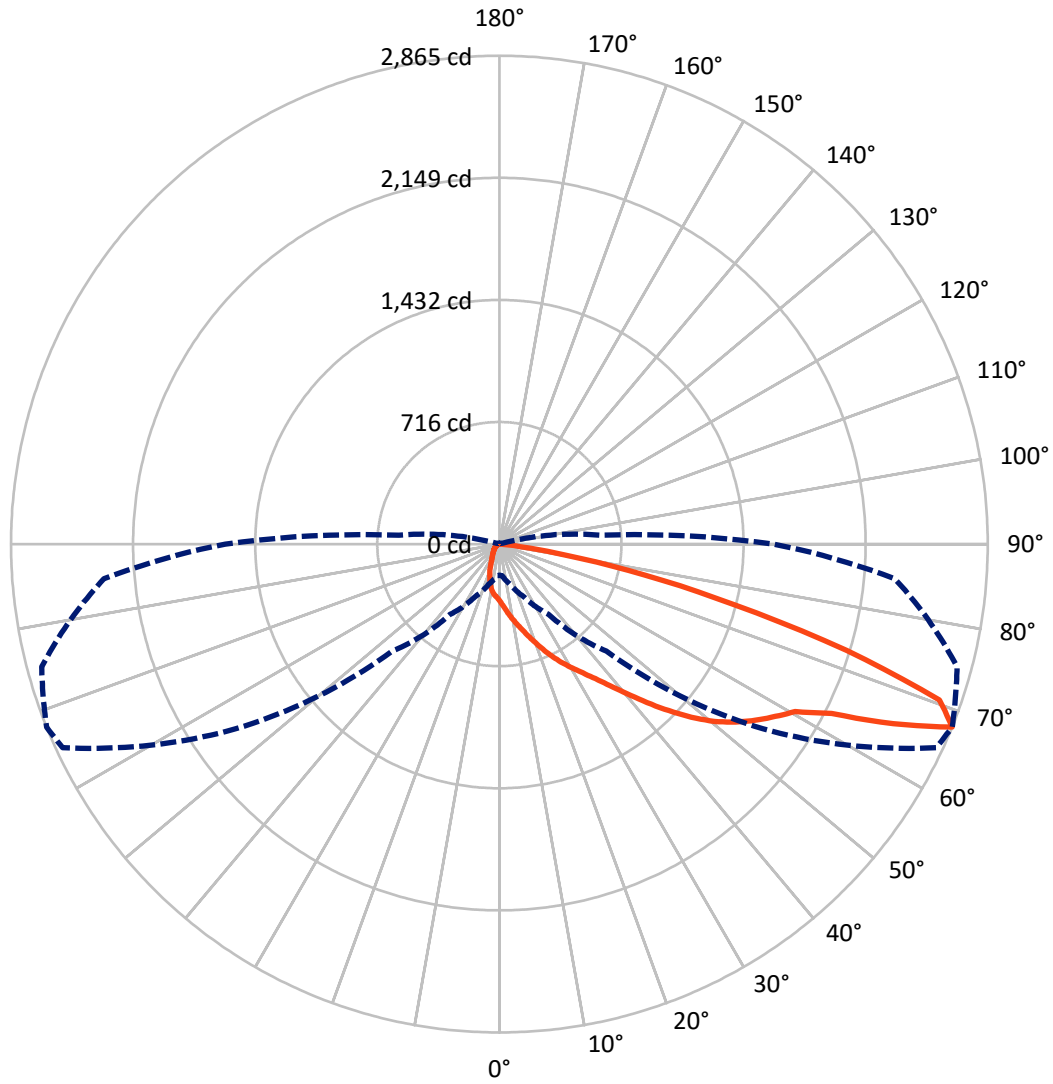
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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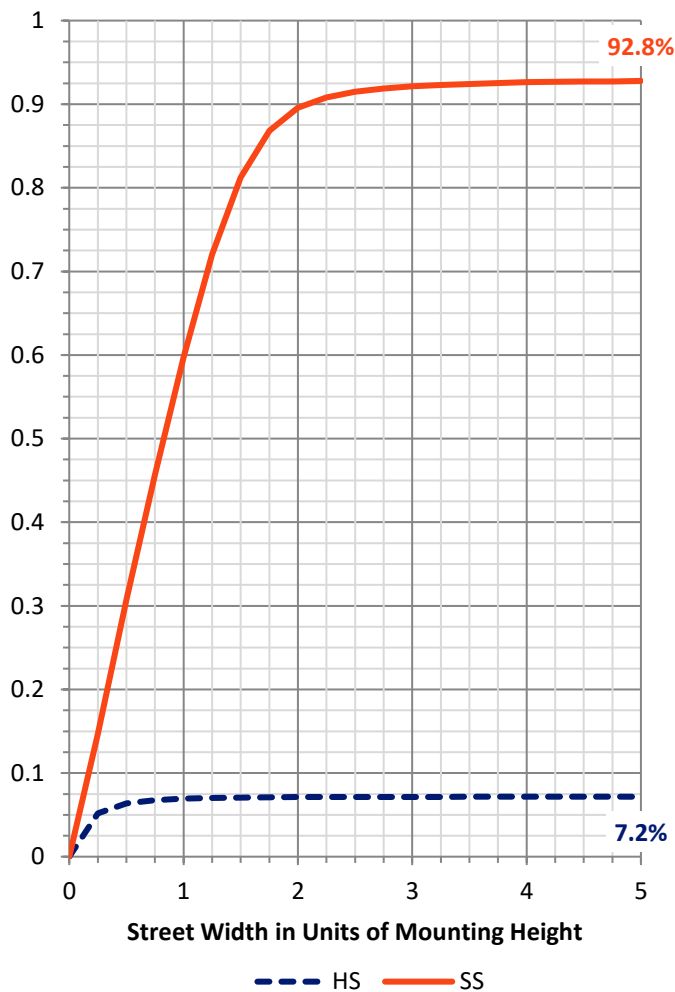
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	206.5	0.0	206.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2653.6	0.0	2653.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	2860.1	0.0	2860.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	1.1
10°-20°	93.2	3.3
20°-30°	160.2	5.6
30°-40°	278.5	9.7
40°-50°	486.0	17.0
50°-60°	733.0	25.6
60°-70°	735.0	25.7
70°-80°	324.3	11.3
80°-90°	17.3	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°	2860.1	100.0
0°-180°	2860.1	100.0

Coefficient of Utilization



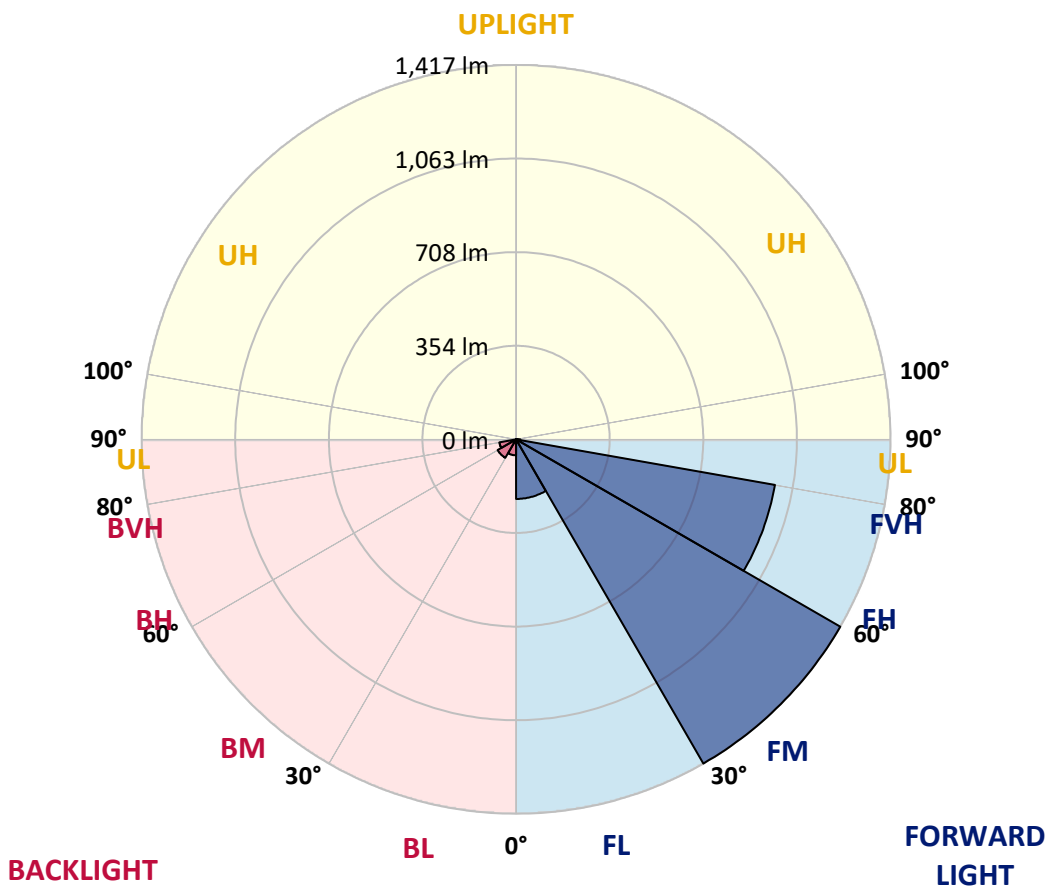
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.5	7.9			
FM (30°-60°)	1416.9	49.5			
FH (60°-80°)	994.9	34.8			G1/1800
FVH (80°-90°)	16.3	0.6			G1/100
BL (0°-30°)	60.4	2.1	B0/110		
BM (30°-60°)	80.7	2.8	B0/220		
BH (60°-80°)	64.5	2.3	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8
2.5°	387.6	390.1	387.6	388.1	381.0	377.7	370.6	360.8	358.3	352.0	342.4
5°	434.9	437.1	434.7	434.1	425.9	419.9	408.1	391.1	386.2	373.9	355.0
7.5°	460.7	462.0	462.9	464.2	461.2	456.3	445.6	424.5	419.3	399.4	372.8
10°	463.4	464.5	468.6	476.8	482.8	485.9	479.8	460.4	452.2	432.8	394.7
12.5°	455.7	457.4	464.0	477.6	494.3	509.7	513.5	496.5	489.1	464.2	420.4
15°	445.6	447.0	456.0	474.6	499.8	528.0	543.9	536.5	528.3	502.3	448.9
17.5°	430.0	431.9	444.5	469.7	502.3	542.5	576.7	579.2	573.4	545.2	480.4
20°	421.3	422.6	433.8	459.8	500.6	553.2	607.4	630.6	624.4	594.8	516.5
22.5°	428.6	429.7	437.1	457.4	495.2	559.2	635.9	682.1	678.6	647.9	554.6
25°	467.5	471.1	466.7	470.3	497.6	562.5	658.8	733.6	734.4	703.5	594.0
27.5°	546.3	541.7	531.3	513.5	516.8	571.3	678.6	782.0	789.1	757.7	629.0
30°	626.5	623.8	617.5	589.9	566.9	590.7	695.2	831.6	842.8	811.0	660.2
32.5°	716.6	719.3	708.1	675.0	635.9	630.1	712.5	878.6	899.7	871.5	696.9
35°	824.2	825.0	802.8	766.1	721.8	695.2	743.4	930.6	969.5	948.7	745.9
37.5°	929.0	933.9	921.9	864.1	824.7	776.3	794.6	997.4	1052.2	1044.0	807.5
40°	1021.8	1029.5	1025.6	969.8	918.1	877.3	874.0	1075.7	1152.1	1161.4	888.8
42.5°	1095.7	1100.6	1103.6	1063.9	1018.2	995.2	972.0	1166.6	1270.1	1308.1	988.4
45°	1173.7	1175.4	1181.6	1154.8	1114.9	1116.8	1087.8	1276.9	1394.3	1470.7	1102.8
47.5°	1273.1	1278.5	1275.5	1247.3	1211.2	1232.8	1207.4	1390.5	1517.0	1644.2	1220.0
50°	1394.1	1399.8	1397.1	1364.2	1324.0	1333.0	1317.1	1500.8	1635.2	1807.9	1317.4
52.5°	1456.5	1461.1	1495.1	1509.8	1488.8	1431.3	1410.8	1622.1	1735.1	1942.6	1406.9
55°	1426.4	1429.6	1503.5	1565.9	1643.1	1585.7	1504.9	1715.7	1823.2	2047.7	1473.4
57.5°	1301.5	1319.3	1419.8	1525.4	1687.8	1738.1	1657.6	1817.5	1908.1	2120.8	1538.9
60°	1045.6	1044.8	1188.8	1378.5	1600.7	1780.0	1873.3	1955.2	1993.2	2176.9	1626.4
62.5°	577.8	583.0	774.6	1024.5	1358.7	1671.6	2035.1	2193.0	2187.3	2274.9	1763.6
65°	287.7	298.1	402.1	586.9	904.1	1381.5	2063.0	2556.0	2539.6	2505.6	2046.9
67.5°	182.6	186.7	244.2	341.1	502.5	887.9	1889.2	2826.7	2864.7	2779.3	2328.0
70°	118.2	125.1	169.7	233.2	303.3	457.7	1383.9	2651.2	2738.6	2749.2	2152.8
72.5°	64.3	69.3	108.4	166.4	219.0	228.8	777.4	1989.7	2130.1	2332.1	1684.2
75°	36.7	40.2	59.4	113.0	160.7	139.3	344.6	1331.9	1421.4	1666.7	1206.8
77.5°	22.2	25.2	33.4	55.0	100.7	93.1	130.3	810.8	867.7	994.4	633.4
80°	10.1	12.0	21.1	30.4	55.0	44.1	49.8	378.0	390.3	408.1	209.7
82.5°	4.7	5.5	9.6	18.1	31.2	25.5	19.2	87.3	122.9	116.3	53.4
85°	0.5	0.5	3.6	7.4	8.8	6.6	7.9	19.7	24.9	35.0	15.3
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	1.6	2.5	3.6	5.7	3.8
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°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8
2.5°	338.0	330.4	323.5	313.4	306.6	298.9	293.7	287.4	284.9	283.0	280.3
5°	345.7	333.4	316.7	298.1	282.8	268.2	254.8	246.1	238.4	237.3	233.5
7.5°	358.3	340.0	311.8	281.4	255.4	231.3	212.4	197.1	189.4	187.0	182.6
10°	375.0	349.8	304.4	257.8	220.3	191.6	170.3	153.0	141.0	136.6	133.3
12.5°	393.6	358.8	292.6	228.8	186.1	153.3	126.2	107.8	100.2	97.4	95.0
15°	415.0	367.3	274.0	199.8	152.7	112.8	93.6	85.7	82.4	81.6	80.7
17.5°	435.5	372.8	251.8	169.7	117.4	87.6	78.6	75.5	74.7	73.9	73.4
20°	458.8	376.6	225.8	141.2	91.1	74.2	69.8	67.6	66.0	64.3	64.1
22.5°	482.6	376.6	197.6	113.3	76.4	66.5	61.6	57.5	54.5	52.8	52.3
25°	505.3	371.4	169.7	90.6	67.3	59.1	52.8	48.2	44.1	42.2	41.6
27.5°	521.4	358.0	145.3	76.6	61.0	52.6	44.9	39.7	36.4	34.5	34.2
30°	531.6	338.0	122.9	68.4	55.6	45.7	38.0	33.7	31.2	29.8	29.3
32.5°	539.2	313.4	102.9	62.7	50.4	39.7	33.1	29.6	27.4	26.3	26.0
35°	554.6	290.1	88.1	57.5	44.9	34.8	29.0	26.3	24.6	23.3	23.0
37.5°	575.9	270.7	76.4	52.8	39.7	30.9	26.3	23.8	22.4	21.1	20.8
40°	607.4	258.4	67.6	48.2	35.0	27.9	24.1	21.9	20.0	18.6	18.3
42.5°	655.8	252.6	61.9	43.5	30.9	25.2	22.2	19.4	17.5	16.1	15.9
45°	713.6	255.7	56.9	38.9	28.2	23.3	19.7	17.0	15.1	13.7	13.4
47.5°	775.4	266.3	52.8	34.5	25.5	21.4	17.5	14.5	12.9	11.5	11.2
50°	840.0	283.8	49.3	30.4	23.3	19.2	15.1	12.6	10.9	9.9	9.6
52.5°	896.2	307.7	45.7	27.4	21.4	17.0	13.1	10.9	9.3	8.2	7.9
55°	949.8	330.1	43.0	24.6	19.2	14.8	11.5	9.3	7.9	6.8	6.6
57.5°	1008.1	353.9	39.7	22.2	17.2	13.1	10.1	7.9	6.8	5.7	5.5
60°	1093.0	389.2	34.8	20.3	15.1	11.5	8.8	7.1	6.0	4.7	4.4
62.5°	1215.3	453.6	29.3	17.5	12.9	9.9	7.4	6.0	4.9	3.8	3.3
65°	1444.1	563.0	24.1	14.5	10.4	8.2	6.3	4.9	3.8	2.7	2.5
67.5°	1608.9	591.5	19.4	11.8	8.5	6.3	5.2	3.8	2.7	1.9	1.6
70°	1406.6	424.8	15.1	9.6	7.1	4.9	4.1	3.0	1.9	1.4	1.1
72.5°	1059.8	277.6	11.2	7.4	5.5	4.1	3.0	2.5	1.6	1.1	0.8
75°	747.0	160.4	8.2	5.5	3.8	3.0	2.5	1.9	1.4	0.8	0.8
77.5°	382.9	66.2	5.7	3.8	2.7	1.9	1.6	1.1	1.1	0.8	0.5
80°	116.3	21.9	3.3	2.5	1.9	1.4	0.8	0.8	0.8	0.5	0.3
82.5°	26.6	7.1	1.9	1.9	1.4	1.1	0.8	0.3	0.3	0.0	0.0
85°	6.8	2.2	1.6	1.4	1.4	1.1	0.5	0.3	0.0	0.0	0.0
87.5°	2.5	1.4	1.4	1.4	1.1	0.8	0.5	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)