

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: P630240

Luminaire Tested: GWS-SA1D-730-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630240
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-SA1D-730-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, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4136.1 lumens
Efficiency: N/A
Efficacy: 93.4 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

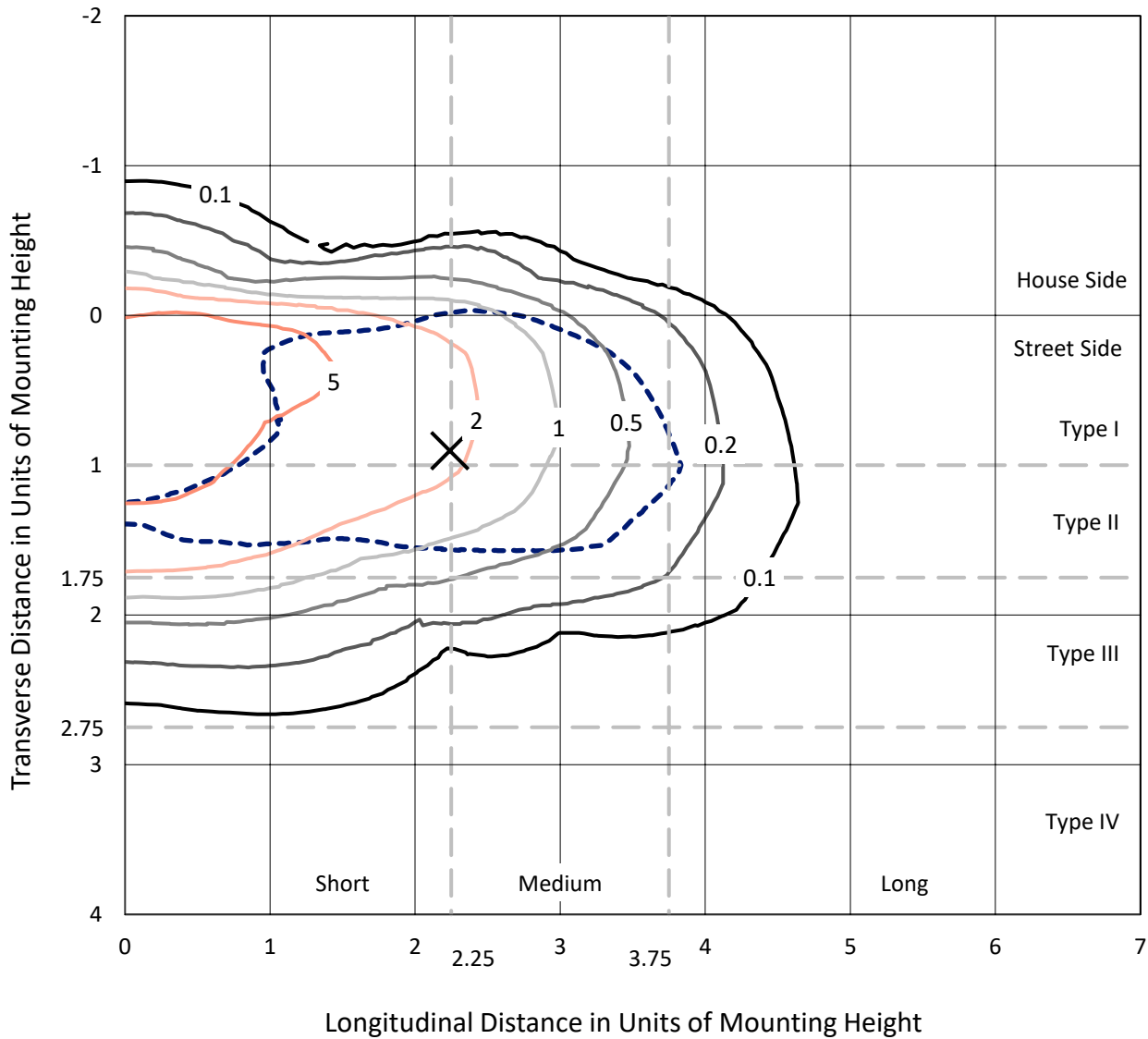
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

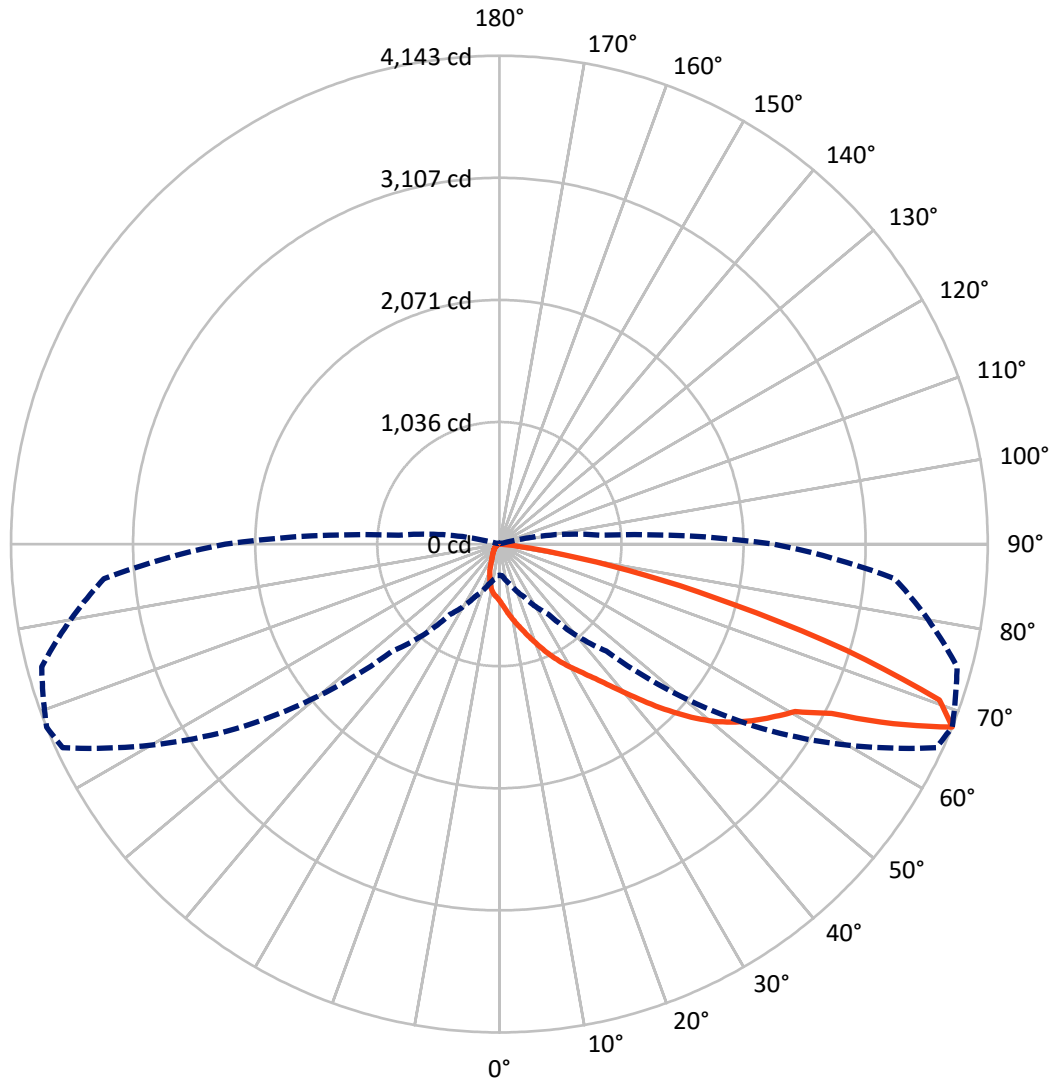
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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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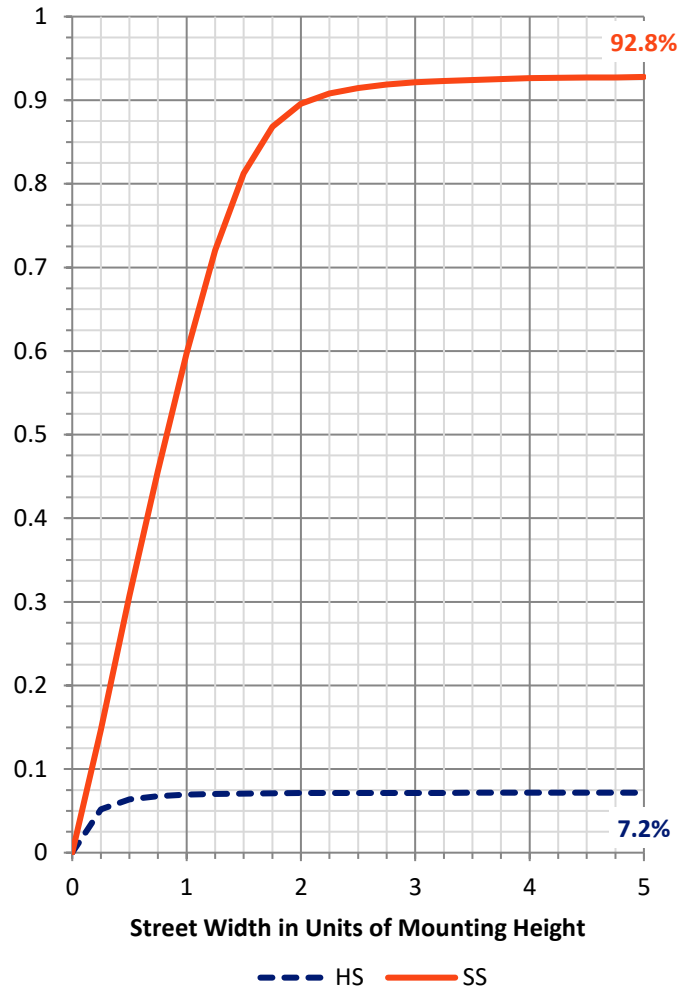
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	298.7	0.0	298.7
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	3837.4	0.0	3837.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	4136.1	0.0	4136.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	1.1
10°-20°	134.8	3.3
20°-30°	231.7	5.6
30°-40°	402.8	9.7
40°-50°	702.8	17.0
50°-60°	1060.1	25.6
60°-70°	1063.0	25.7
70°-80°	469.0	11.3
80°-90°	25.1	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°	4136.1	100.0
0°-180°	4136.1	100.0

Coefficient of Utilization

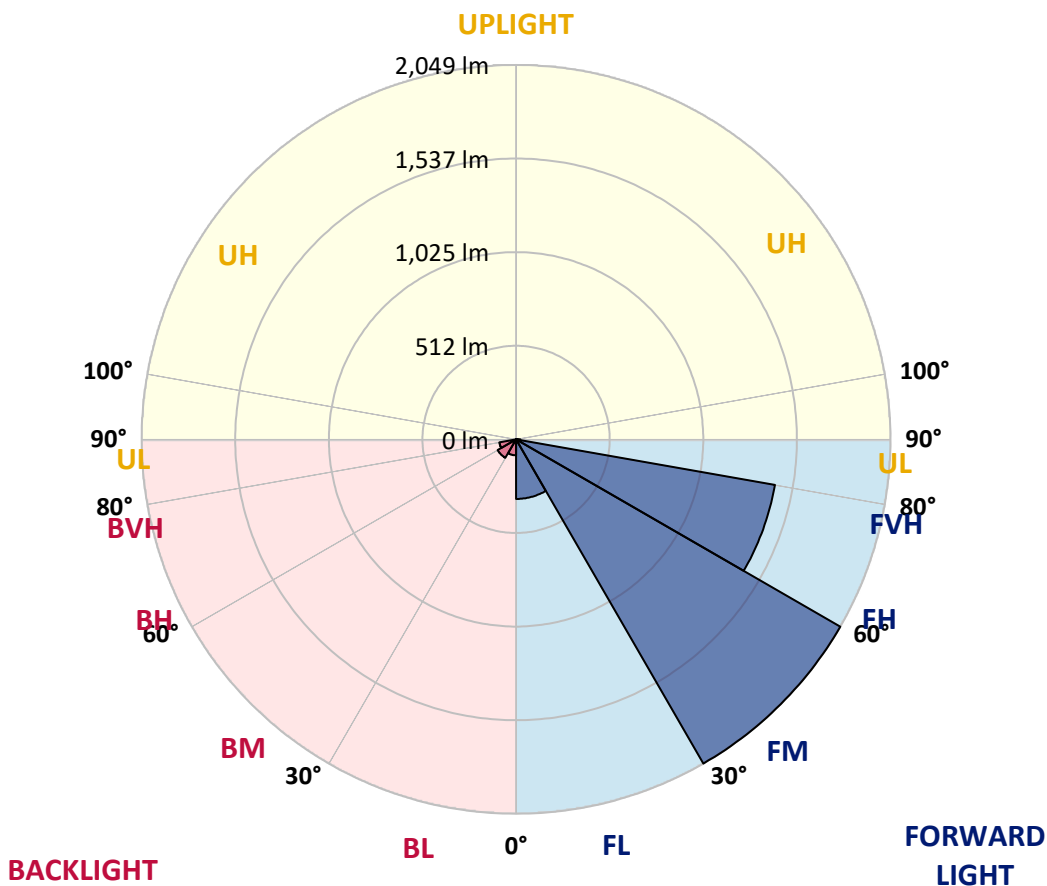


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.0	7.9			
FM (30°-60°)	2049.0	49.5			
FH (60°-80°)	1438.7	34.8			G1/1800
FVH (80°-90°)	23.6	0.6			G1/100
BL (0°-30°)	87.4	2.1	B0/110		
BM (30°-60°)	116.7	2.8	B0/220		
BH (60°-80°)	93.2	2.3	B0/110		G0/110
BVH (80°-90°)	1.4	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°	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3
2.5°	560.5	564.1	560.5	561.3	551.0	546.3	536.0	521.7	518.1	509.0	495.2
5°	629.0	632.2	628.6	627.8	615.9	607.2	590.2	565.6	558.5	540.7	513.4
7.5°	666.2	668.2	669.4	671.3	667.0	659.9	644.4	613.9	606.4	577.5	539.1
10°	670.2	671.7	677.7	689.5	698.3	702.6	693.9	665.8	653.9	625.8	570.8
12.5°	659.1	661.4	670.9	690.7	714.9	737.0	742.6	718.0	707.4	671.3	608.0
15°	644.4	646.4	659.5	686.4	722.8	763.6	786.5	775.8	764.0	726.4	649.2
17.5°	621.9	624.6	642.8	679.3	726.4	784.5	834.0	837.6	829.3	788.5	694.7
20°	609.2	611.2	627.4	665.0	724.0	800.0	878.4	912.0	902.9	860.2	746.9
22.5°	619.9	621.5	632.2	661.4	716.1	808.7	919.5	986.4	981.3	936.9	802.0
25°	676.1	681.2	674.9	680.0	719.6	813.4	952.8	1060.8	1062.0	1017.3	859.0
27.5°	790.1	783.4	768.3	742.6	747.3	826.1	981.3	1130.9	1141.2	1095.7	909.6
30°	906.1	902.1	893.0	853.0	819.8	854.2	1005.4	1202.6	1218.8	1172.9	954.8
32.5°	1036.3	1040.3	1024.0	976.1	919.5	911.2	1030.4	1270.6	1301.1	1260.3	1007.8
35°	1191.9	1193.1	1161.0	1107.9	1043.8	1005.4	1075.1	1345.8	1402.1	1372.0	1078.7
37.5°	1343.5	1350.6	1333.2	1249.7	1192.7	1122.6	1149.1	1442.4	1521.6	1509.7	1167.7
40°	1477.7	1488.7	1483.2	1402.4	1327.6	1268.7	1263.9	1555.6	1666.1	1679.5	1285.3
42.5°	1584.5	1591.7	1596.0	1538.6	1472.5	1439.3	1405.6	1687.1	1836.7	1891.7	1429.4
45°	1697.3	1699.7	1708.8	1670.0	1612.2	1615.0	1573.1	1846.6	2016.4	2126.8	1594.8
47.5°	1841.0	1849.0	1844.6	1803.8	1751.6	1782.8	1746.0	2010.8	2193.7	2377.8	1764.2
50°	2016.0	2024.3	2020.3	1972.8	1914.7	1927.7	1904.8	2170.4	2364.7	2614.5	1905.2
52.5°	2106.2	2113.0	2162.1	2183.4	2153.0	2069.8	2040.1	2345.7	2509.2	2809.2	2034.6
55°	2062.7	2067.5	2174.3	2264.6	2376.2	2293.1	2176.3	2481.1	2636.7	2961.3	2130.8
57.5°	1882.2	1907.9	2053.2	2206.0	2440.7	2513.6	2397.2	2628.4	2759.4	3066.9	2225.4
60°	1512.1	1510.9	1719.1	1993.4	2314.9	2574.1	2709.1	2827.5	2882.5	3148.1	2352.1
62.5°	835.6	843.1	1120.2	1481.6	1964.9	2417.4	2943.0	3171.4	3163.1	3289.8	2550.4
65°	416.0	431.1	581.5	848.7	1307.4	1997.8	2983.4	3696.3	3672.6	3623.5	2960.1
67.5°	264.0	270.0	353.1	493.2	726.8	1284.1	2732.1	4087.8	4142.8	4019.3	3366.6
70°	171.0	180.9	245.4	337.3	438.6	661.8	2001.3	3834.1	3960.3	3975.8	3113.3
72.5°	93.0	100.1	156.8	240.7	316.7	330.9	1124.2	2877.3	3080.4	3372.5	2435.6
75°	53.0	58.2	85.9	163.5	232.4	201.5	498.4	1926.1	2055.6	2410.2	1745.2
77.5°	32.1	36.4	48.3	79.6	145.7	134.6	188.4	1172.5	1254.8	1438.1	916.0
80°	14.6	17.4	30.5	43.9	79.6	63.7	72.0	546.6	564.5	590.2	303.2
82.5°	6.7	7.9	13.9	26.1	45.1	36.8	27.7	126.3	177.7	168.2	77.2
85°	0.8	0.8	5.1	10.7	12.7	9.5	11.5	28.5	36.0	50.7	22.2
87.5°	0.0	0.0	0.4	0.4	0.8	1.2	2.4	3.6	5.1	8.3	5.5
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°	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3
2.5°	488.9	477.8	467.9	453.2	443.3	432.3	424.7	415.6	412.1	409.3	405.3
5°	499.9	482.1	458.0	431.1	408.9	387.9	368.5	355.9	344.8	343.2	337.6
7.5°	518.1	491.6	450.9	406.9	369.3	334.5	307.2	285.0	273.9	270.4	264.0
10°	542.3	505.9	440.2	372.9	318.6	277.1	246.2	221.3	203.9	197.5	192.8
12.5°	569.2	518.9	423.1	330.9	269.2	221.7	182.5	156.0	144.9	140.9	137.4
15°	600.1	531.2	396.2	289.0	220.9	163.1	135.4	123.9	119.1	118.0	116.8
17.5°	629.8	539.1	364.2	245.4	169.8	126.7	113.6	109.3	108.1	106.9	106.1
20°	663.4	544.7	326.6	204.3	131.8	107.3	100.9	97.8	95.4	93.0	92.6
22.5°	697.9	544.7	285.8	163.9	110.4	96.2	89.1	83.1	78.8	76.4	75.6
25°	730.7	537.1	245.4	131.0	97.4	85.5	76.4	69.7	63.7	61.0	60.2
27.5°	754.1	517.8	210.2	110.8	88.3	76.0	64.9	57.4	52.6	49.9	49.5
30°	768.7	488.9	177.7	99.0	80.4	66.1	55.0	48.7	45.1	43.1	42.4
32.5°	779.8	453.2	148.8	90.6	72.8	57.4	47.9	42.8	39.6	38.0	37.6
35°	802.0	419.6	127.5	83.1	64.9	50.3	42.0	38.0	35.6	33.6	33.3
37.5°	832.8	391.5	110.4	76.4	57.4	44.7	38.0	34.4	32.5	30.5	30.1
40°	878.4	373.7	97.8	69.7	50.7	40.4	34.8	31.7	28.9	26.9	26.5
42.5°	948.4	365.4	89.5	62.9	44.7	36.4	32.1	28.1	25.3	23.4	23.0
45°	1031.9	369.7	82.3	56.2	40.8	33.6	28.5	24.5	21.8	19.8	19.4
47.5°	1121.4	385.1	76.4	49.9	36.8	30.9	25.3	21.0	18.6	16.6	16.2
50°	1214.8	410.5	71.3	43.9	33.6	27.7	21.8	18.2	15.8	14.3	13.9
52.5°	1296.0	444.9	66.1	39.6	30.9	24.5	19.0	15.8	13.5	11.9	11.5
55°	1373.6	477.4	62.1	35.6	27.7	21.4	16.6	13.5	11.5	9.9	9.5
57.5°	1457.9	511.8	57.4	32.1	24.9	19.0	14.6	11.5	9.9	8.3	7.9
60°	1580.6	562.9	50.3	29.3	21.8	16.6	12.7	10.3	8.7	6.7	6.3
62.5°	1757.5	655.9	42.4	25.3	18.6	14.3	10.7	8.7	7.1	5.5	4.8
65°	2088.4	814.2	34.8	21.0	15.0	11.9	9.1	7.1	5.5	4.0	3.6
67.5°	2326.7	855.4	28.1	17.0	12.3	9.1	7.5	5.5	4.0	2.8	2.4
70°	2034.2	614.3	21.8	13.9	10.3	7.1	5.9	4.4	2.8	2.0	1.6
72.5°	1532.7	401.4	16.2	10.7	7.9	5.9	4.4	3.6	2.4	1.6	1.2
75°	1080.2	232.0	11.9	7.9	5.5	4.4	3.6	2.8	2.0	1.2	1.2
77.5°	553.8	95.8	8.3	5.5	4.0	2.8	2.4	1.6	1.6	1.2	0.8
80°	168.2	31.7	4.8	3.6	2.8	2.0	1.2	1.2	1.2	0.8	0.4
82.5°	38.4	10.3	2.8	2.8	2.0	1.6	1.2	0.4	0.4	0.0	0.0
85°	9.9	3.2	2.4	2.0	2.0	1.6	0.8	0.4	0.0	0.0	0.0
87.5°	3.6	2.0	2.0	2.0	1.6	1.2	0.8	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)