

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: P629800

Luminaire Tested: GWS-SA1C-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2816 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

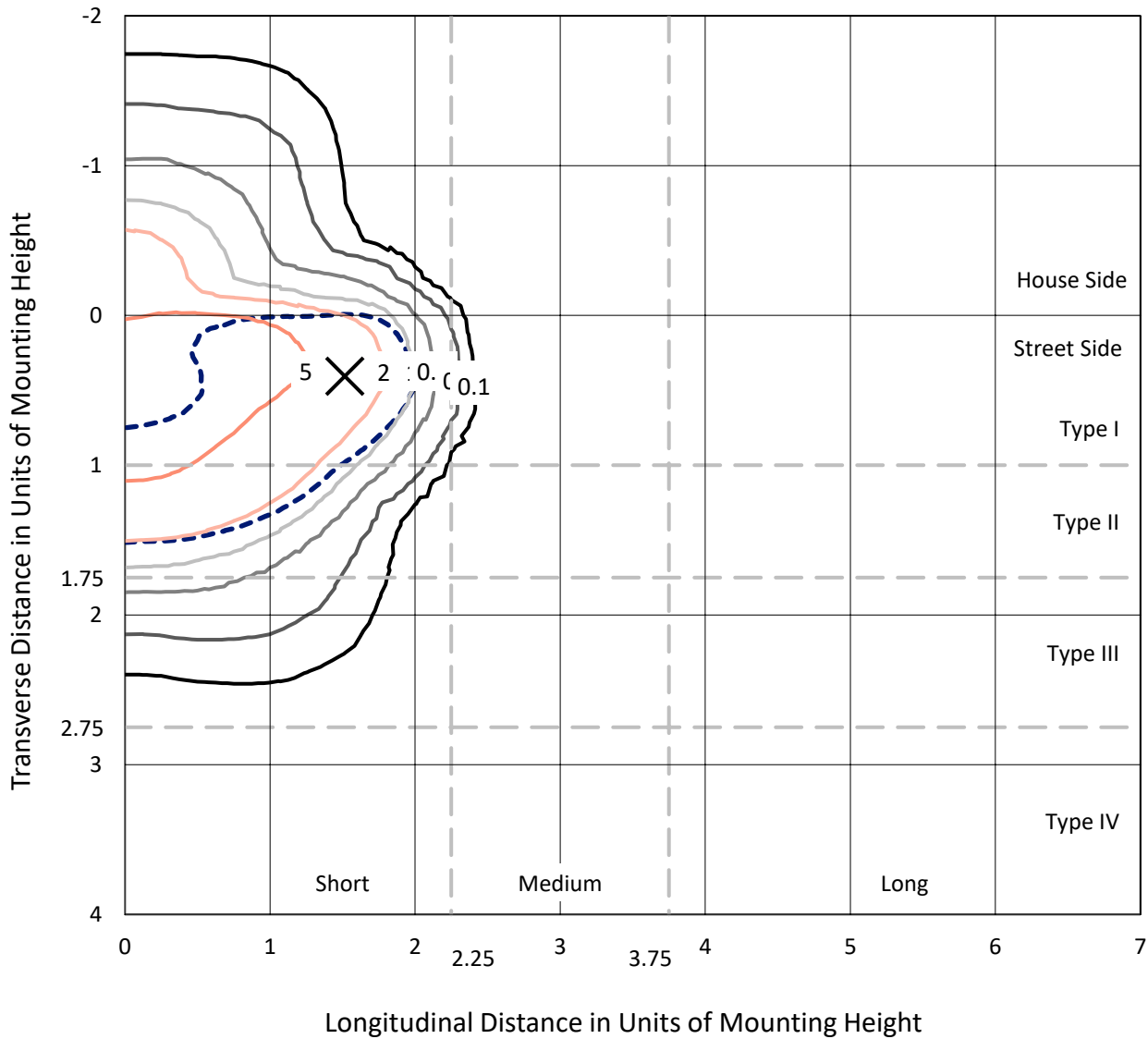
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

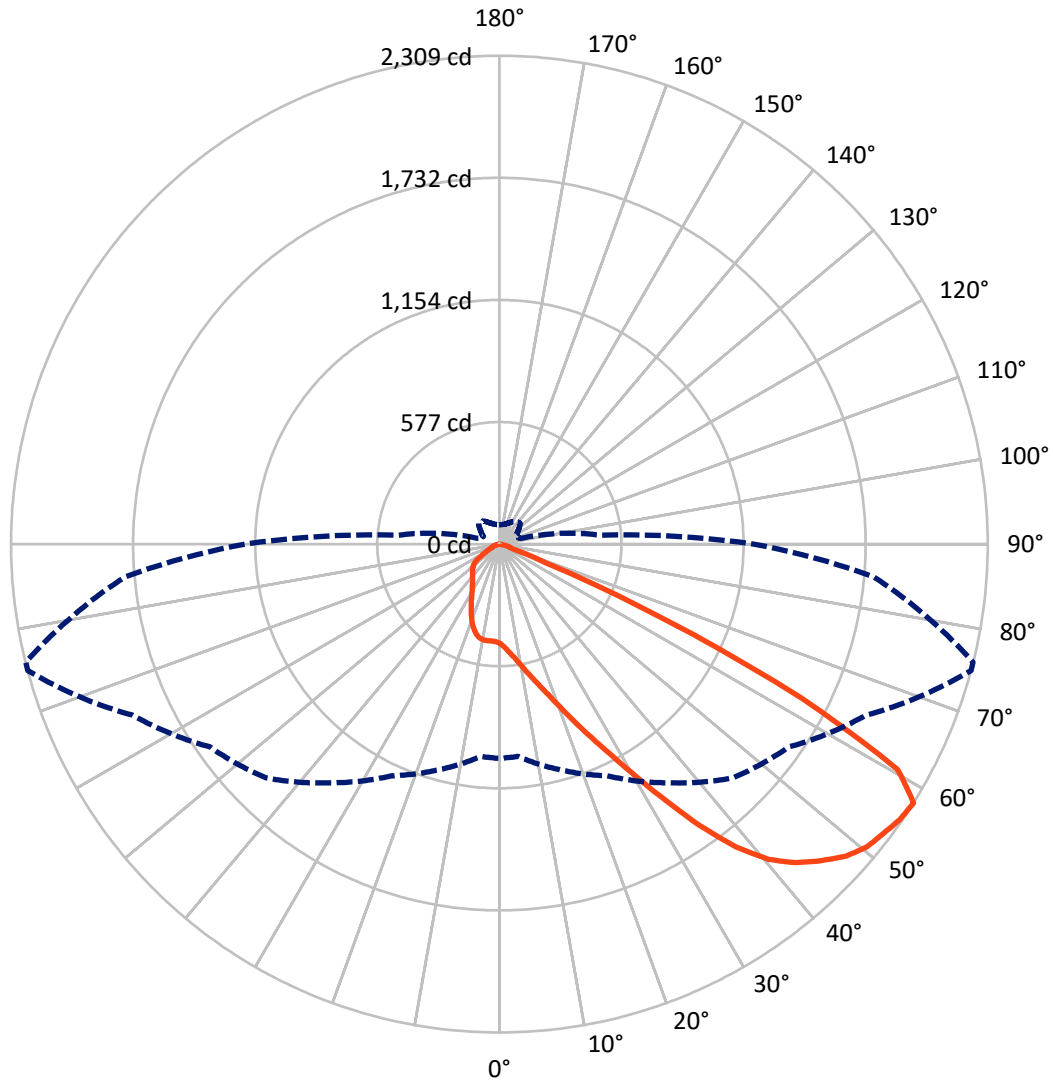
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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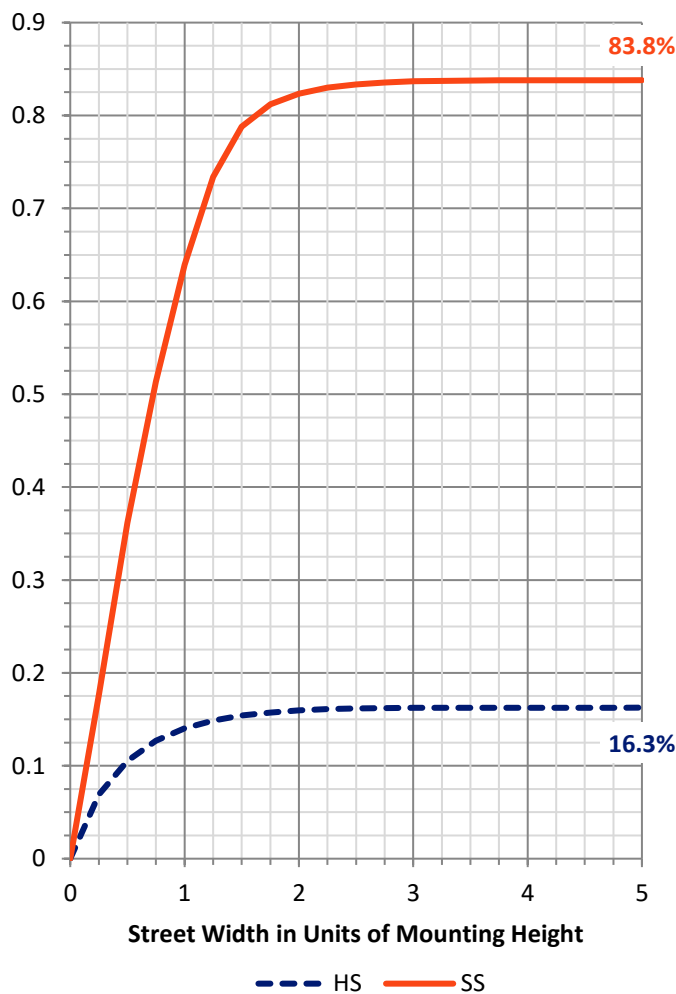
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	460.0	0.0	460.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2356.0	0.0	2356.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	2816.0	0.0	2816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.7
10°-20°	155.3	5.5
20°-30°	284.3	10.1
30°-40°	471.7	16.8
40°-50°	720.4	25.6
50°-60°	809.5	28.7
60°-70°	298.6	10.6
70°-80°	28.5	1.0
80°-90°	0.0	0.0
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°	2816.0	100.0
0°-180°	2816.0	100.0

Coefficient of Utilization

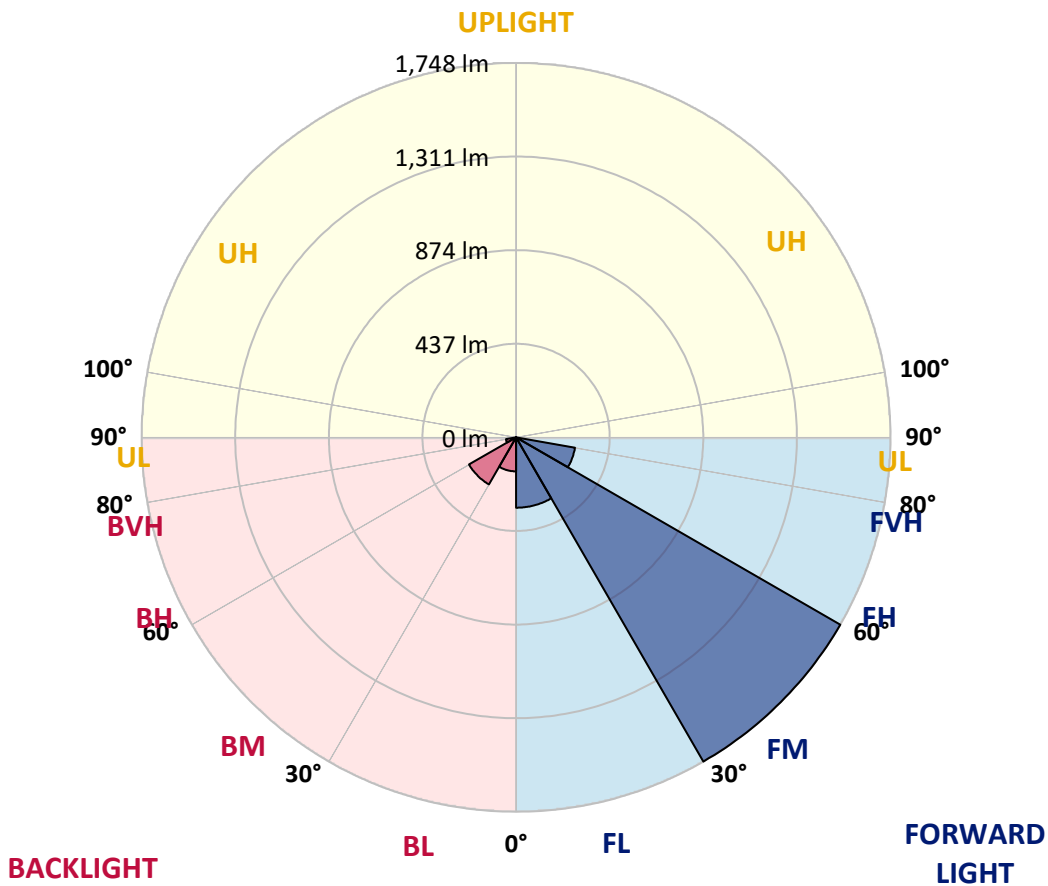


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.6	11.7			
FM (30°-60°)	1748.0	62.1			
FH (60°-80°)	279.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	158.7	5.6	B1/500		
BM (30°-60°)	253.5	9.0	B1/1000		
BH (60°-80°)	47.8	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7
2.5°	524.7	530.2	528.5	525.1	523.0	515.9	511.5	498.6	489.4	488.4	479.9
5°	591.0	590.0	588.6	584.5	581.1	569.9	556.7	534.9	515.5	513.2	495.2
7.5°	627.4	628.0	628.7	628.0	625.7	617.2	602.6	577.1	547.5	545.5	516.9
10°	642.3	643.7	647.1	653.5	659.3	658.6	650.1	624.0	587.6	584.2	545.8
12.5°	649.4	651.1	656.6	668.8	684.5	696.7	698.0	674.6	634.5	629.1	580.1
15°	659.3	661.0	667.8	683.8	706.5	730.7	746.3	731.4	686.5	680.7	617.8
17.5°	663.7	666.1	676.0	697.0	726.6	763.6	799.0	797.6	748.0	743.6	661.7
20°	672.2	673.9	682.8	705.5	741.2	794.6	854.0	875.4	823.1	816.7	714.7
22.5°	699.1	699.7	703.8	718.1	751.4	817.0	910.1	966.2	911.8	903.3	774.2
25°	742.9	742.6	744.3	746.6	771.1	839.8	964.1	1068.5	1013.4	1004.3	841.5
27.5°	798.6	798.6	802.7	795.9	805.8	868.0	1017.5	1186.1	1131.7	1118.8	915.2
30°	864.2	863.9	873.4	862.5	865.6	912.5	1074.9	1314.2	1274.4	1258.5	1000.2
32.5°	953.3	951.2	962.1	947.2	937.0	979.8	1144.9	1448.1	1445.4	1420.9	1106.9
35°	1065.8	1062.4	1065.8	1051.1	1032.8	1073.9	1236.7	1581.7	1635.0	1609.2	1234.0
37.5°	1177.6	1188.4	1192.2	1167.0	1152.1	1193.2	1347.2	1701.3	1816.1	1789.3	1366.2
40°	1309.4	1306.0	1318.9	1290.7	1281.2	1326.8	1455.2	1790.3	1959.6	1934.1	1483.8
42.5°	1406.6	1412.7	1428.7	1413.1	1405.6	1448.4	1546.0	1842.3	2059.1	2034.0	1567.7
45°	1523.2	1527.6	1533.7	1520.8	1513.0	1555.1	1611.6	1865.1	2134.9	2107.7	1624.1
47.5°	1649.3	1652.7	1652.7	1626.2	1601.0	1618.4	1655.4	1878.0	2204.6	2178.4	1665.9
50°	1739.7	1741.4	1756.3	1737.6	1682.9	1656.1	1675.4	1890.6	2250.8	2226.3	1679.5
52.5°	1659.5	1657.4	1706.7	1745.5	1760.1	1706.7	1710.1	1908.9	2273.2	2252.2	1690.4
55°	1397.5	1394.1	1463.4	1557.5	1686.3	1754.6	1751.9	1919.8	2298.1	2285.1	1729.8
57.5°	1013.1	1007.3	1103.8	1208.5	1377.4	1562.6	1671.4	1913.7	2308.9	2307.9	1775.7
60°	609.0	604.2	695.3	805.4	935.9	1122.2	1302.6	1714.2	2163.5	2165.5	1656.4
62.5°	374.9	379.3	461.5	517.6	566.2	622.3	726.6	1153.1	1602.7	1616.0	1164.0
65°	252.2	255.6	331.7	402.4	402.4	329.0	282.4	551.2	855.1	832.6	550.6
67.5°	169.2	173.0	233.1	315.7	327.6	229.4	114.5	164.5	238.2	231.1	136.3
70°	99.6	103.7	155.3	216.5	238.6	159.7	76.5	69.7	67.6	65.6	53.0
72.5°	44.5	46.2	79.2	110.1	100.6	67.3	54.0	55.7	52.7	51.7	43.2
75°	13.6	14.3	20.4	23.8	24.1	24.1	32.6	43.8	41.5	41.8	33.3
77.5°	3.4	3.4	5.4	5.1	2.7	2.4	6.1	9.9	10.2	9.2	6.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7
2.5°	476.1	467.3	461.5	453.4	447.6	441.5	436.0	431.6	429.2	428.5	428.9
5°	487.0	473.1	459.5	443.8	433.0	422.8	414.6	408.2	405.1	404.1	404.1
7.5°	503.7	484.3	460.2	435.7	417.3	401.4	391.8	384.7	382.0	381.3	379.3
10°	525.4	498.9	459.1	421.1	395.2	378.6	371.8	369.8	370.8	371.1	370.8
12.5°	551.6	514.2	452.7	399.7	371.8	361.6	362.3	367.7	373.8	376.9	377.6
15°	579.4	528.1	438.1	374.2	351.7	351.4	361.3	373.8	385.7	390.8	392.2
17.5°	610.7	539.3	415.6	347.0	334.4	344.3	361.9	381.3	397.3	405.8	407.5
20°	645.0	548.5	387.1	321.5	319.1	336.8	361.3	385.0	404.8	414.3	416.0
22.5°	680.7	555.0	354.1	298.0	305.2	328.3	354.8	377.9	396.6	407.5	408.8
25°	721.5	555.7	320.5	278.3	292.3	316.7	339.2	358.2	373.8	383.3	384.4
27.5°	757.2	547.5	290.6	262.4	280.4	302.5	317.4	328.0	338.8	344.3	344.6
30°	798.3	533.2	262.4	249.4	268.1	284.8	292.3	294.6	295.7	296.7	295.3
32.5°	847.2	515.9	241.3	236.9	254.2	265.4	267.5	262.7	256.9	248.8	246.7
35°	907.4	500.3	224.0	224.6	238.9	245.7	244.0	233.8	222.6	212.7	211.0
37.5°	972.6	487.0	210.7	212.7	222.3	227.0	221.9	210.7	205.6	197.1	197.5
40°	1030.4	476.1	198.8	200.9	205.3	209.7	201.5	194.1	203.6	202.9	203.6
42.5°	1071.5	467.0	188.6	187.6	190.7	193.7	187.6	183.9	199.8	195.4	197.8
45°	1095.7	458.5	180.1	174.0	178.8	184.2	180.1	175.4	180.8	160.4	158.7
47.5°	1112.0	453.7	172.6	160.7	169.2	178.8	170.3	158.7	150.9	133.2	131.9
50°	1113.7	451.3	163.8	147.2	158.0	168.2	158.4	142.4	131.2	123.4	122.3
52.5°	1122.5	456.1	151.6	129.8	141.7	158.0	151.2	135.3	120.0	113.2	111.8
55°	1161.9	476.1	131.2	106.0	123.4	150.2	145.5	120.6	106.0	102.0	100.9
57.5°	1202.7	480.2	103.3	83.9	107.4	139.0	132.9	111.1	96.9	92.1	91.1
60°	1099.7	395.6	77.5	69.3	94.8	128.5	123.0	105.4	88.7	82.9	81.9
62.5°	722.5	213.8	61.5	58.8	79.9	108.8	112.1	95.2	79.2	73.1	72.7
65°	333.1	99.2	47.2	46.6	62.5	86.7	96.5	83.3	67.0	61.5	61.5
67.5°	90.7	49.3	37.0	34.3	42.5	58.1	70.3	62.2	47.6	41.1	40.8
70°	45.2	39.8	33.3	29.6	30.6	36.0	41.5	34.7	24.1	19.7	19.4
72.5°	37.0	32.6	28.2	25.1	23.1	22.1	21.4	17.3	11.2	8.5	8.2
75°	27.5	23.4	20.1	16.3	13.9	12.9	11.6	8.5	4.8	2.7	2.4
77.5°	6.1	5.8	5.4	4.1	3.7	3.1	2.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)