

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: P629295

Luminaire Tested: GWS-SA1B-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3394.9 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

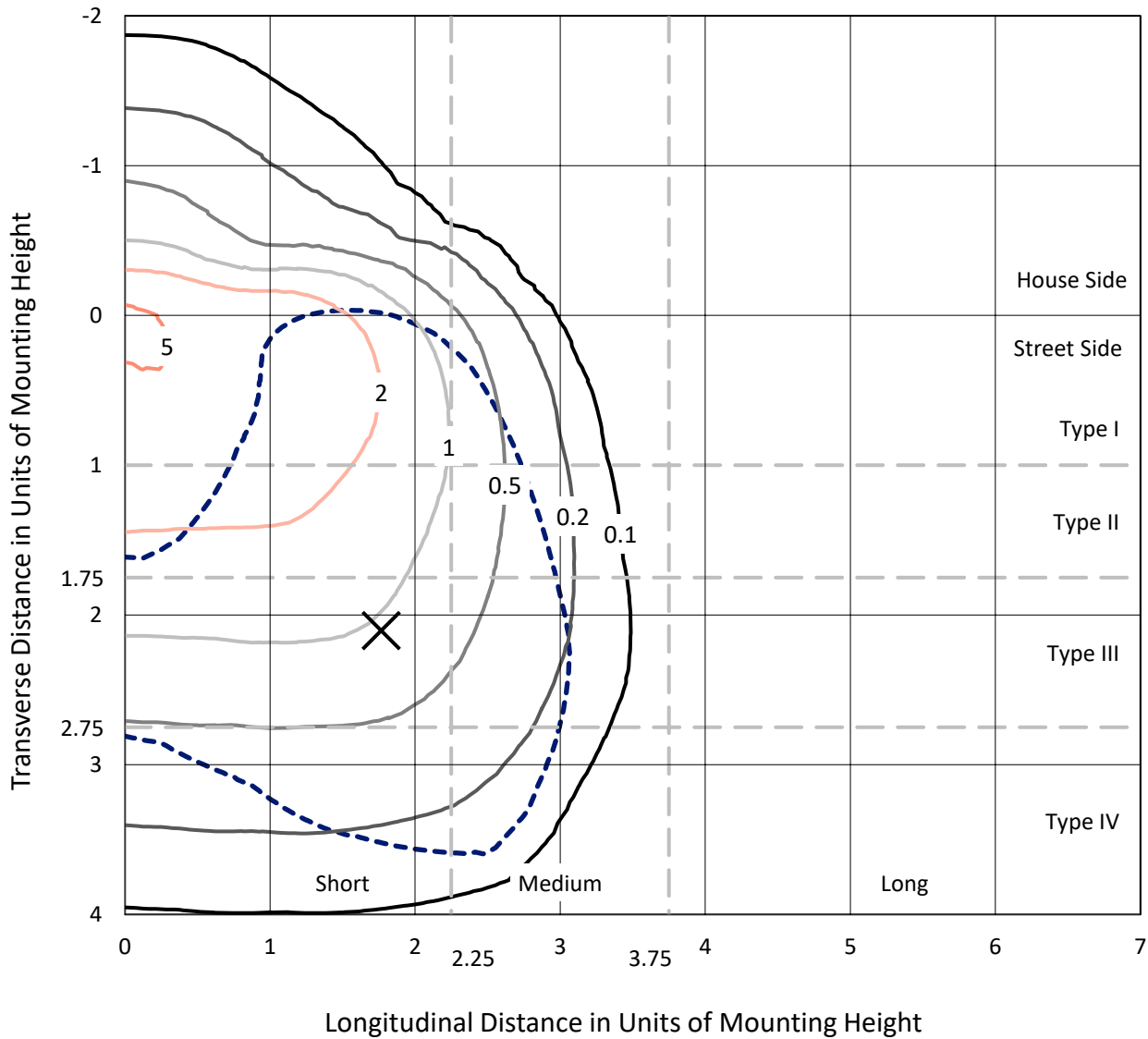
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

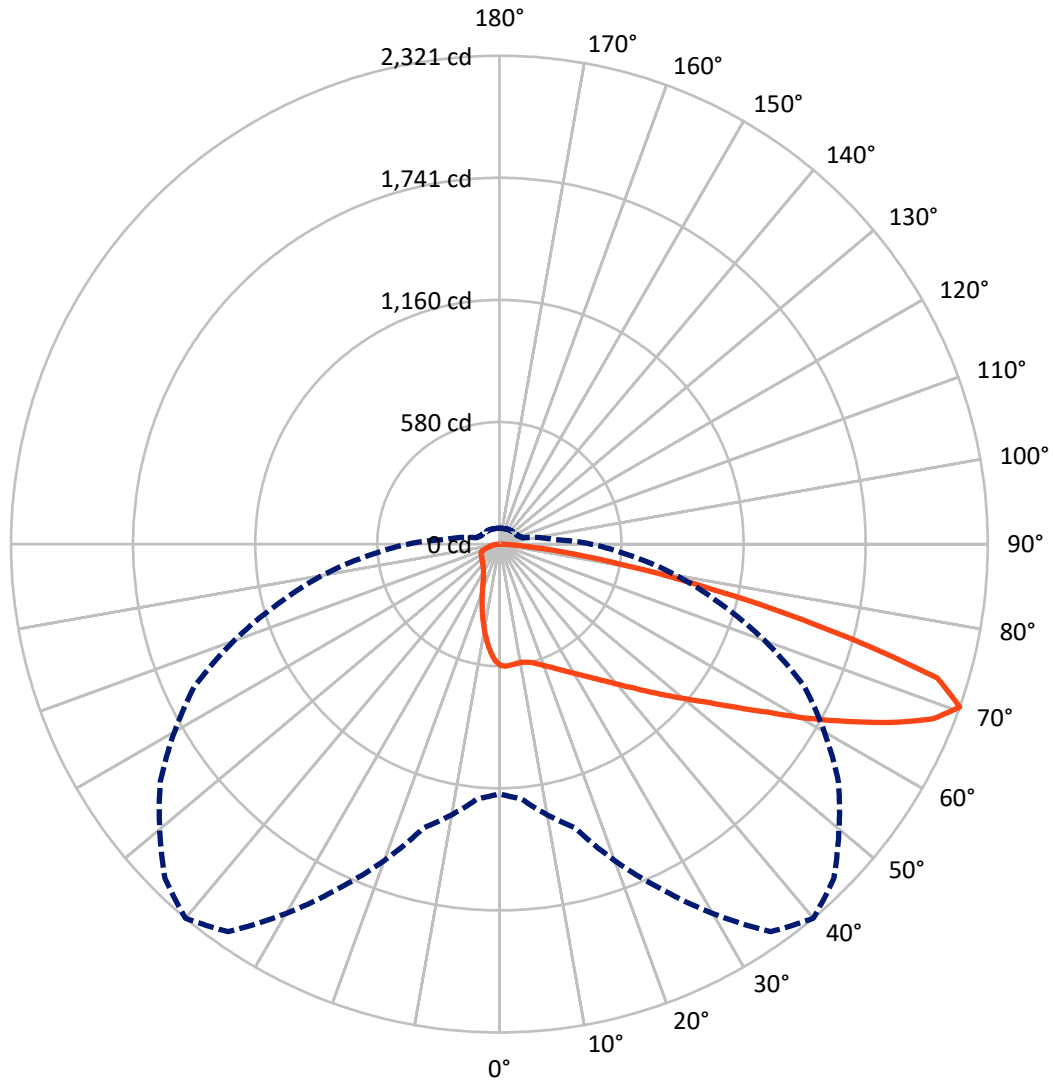
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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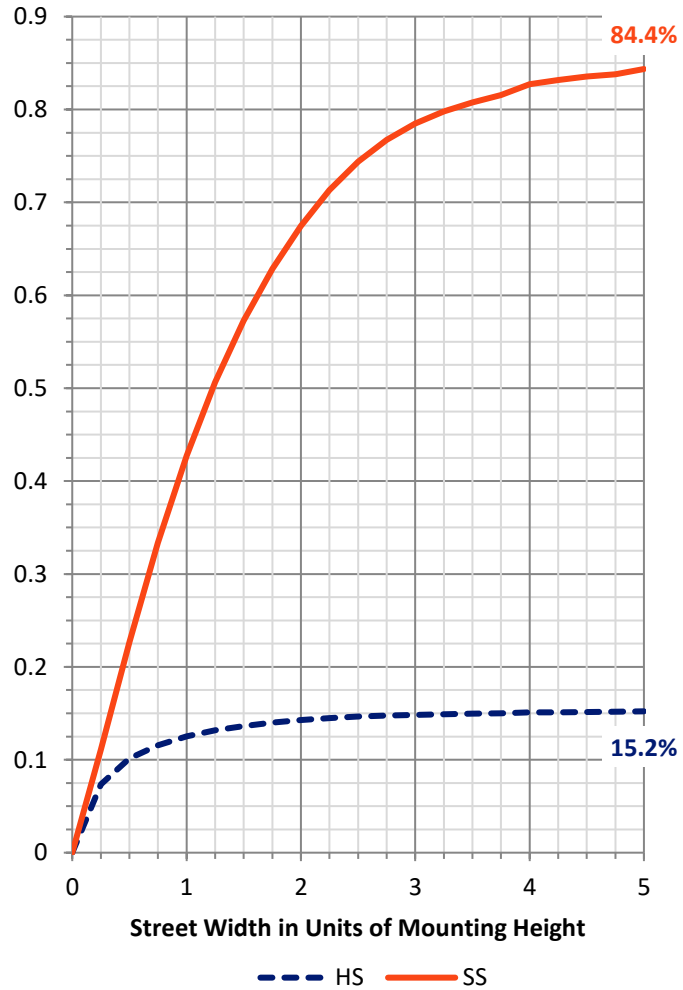
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.9	0.0	522.9
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	2872.0	0.0	2872.0
	% Fixture	84.6	0.0	84.6
Total	Lumens	3394.9	0.0	3394.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	1.5
10°-20°	132.7	3.9
20°-30°	208.4	6.1
30°-40°	313.4	9.2
40°-50°	483.7	14.2
50°-60°	718.4	21.2
60°-70°	905.5	26.7
70°-80°	523.7	15.4
80°-90°	58.1	1.7
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°	3394.9	100.0
0°-180°	3394.9	100.0

Coefficient of Utilization



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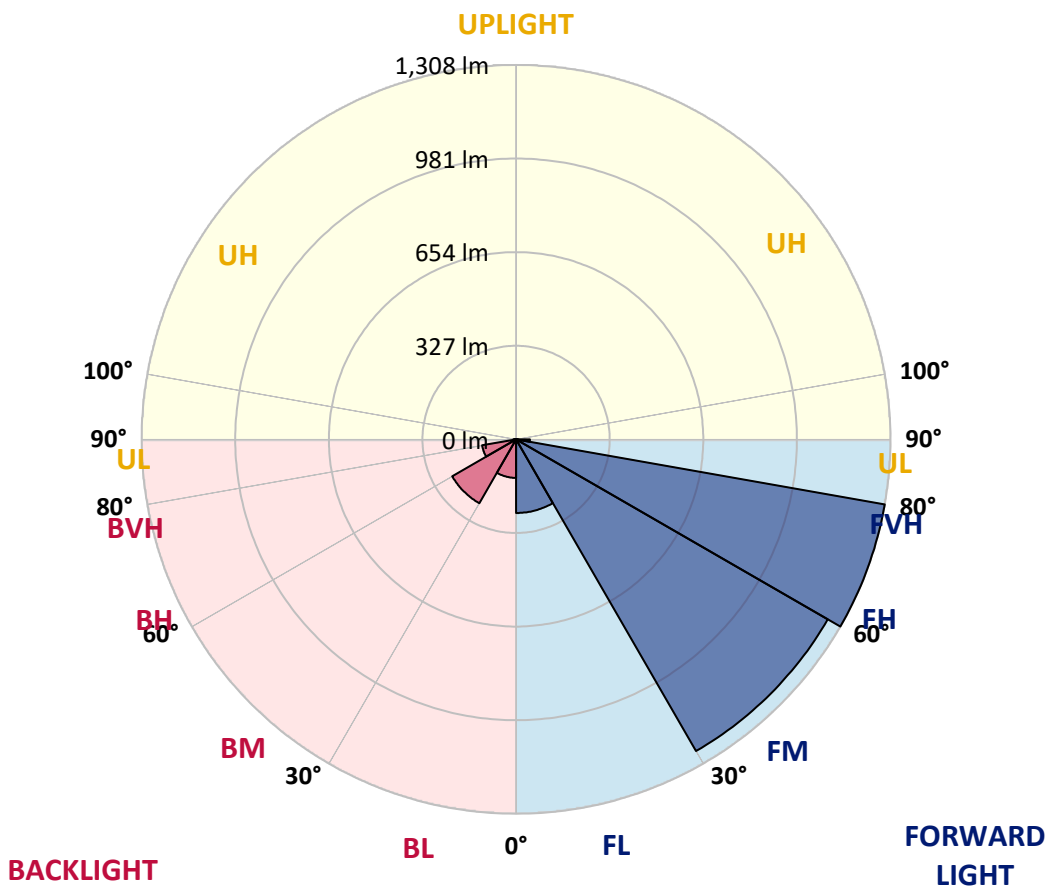
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.4	7.6			
FM (30°-60°)	1257.8	37.0			
FH (60°-80°)	1308.5	38.5			G1/1800
FVH (80°-90°)	48.4	1.4			G1/100
BL (0°-30°)	134.8	4.0	B1/500		
BM (30°-60°)	257.7	7.6	B1/1000		
BH (60°-80°)	120.7	3.6	B1/500		G1/500
BVH (80°-90°)	9.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5
2.5°	580.0	581.1	581.8	582.8	582.3	580.8	582.1	582.1	579.3	576.2	573.5
5°	580.8	582.1	581.8	581.6	579.5	577.0	577.0	575.5	570.7	565.9	561.3
7.5°	579.3	579.0	578.8	578.0	575.7	572.9	572.4	569.4	563.1	556.5	549.9
10°	572.4	572.2	572.9	574.7	574.2	571.7	571.7	568.9	561.5	553.4	544.8
12.5°	566.9	566.9	569.9	574.7	576.5	575.5	575.7	573.7	565.3	555.7	545.6
15°	567.6	567.9	574.5	582.3	585.6	584.9	585.1	582.8	573.5	563.8	550.1
17.5°	572.7	574.0	585.4	596.3	600.6	599.6	597.8	594.0	583.3	572.4	555.7
20°	583.3	585.4	600.1	613.7	618.8	616.5	613.5	605.9	594.2	582.3	561.8
22.5°	604.4	605.6	621.9	635.3	639.3	636.5	630.5	619.6	606.1	593.7	569.1
25°	634.0	635.5	651.0	663.4	662.4	659.1	650.7	637.3	621.3	608.2	579.8
27.5°	669.2	671.8	687.0	696.9	690.3	685.5	676.1	659.9	641.9	630.0	596.0
30°	707.8	708.8	721.7	731.6	721.4	714.9	703.4	686.0	669.7	660.9	620.3
32.5°	745.0	746.0	757.2	762.7	752.1	747.3	737.4	718.9	707.5	702.7	656.6
35°	784.3	784.0	793.2	798.0	787.1	785.0	774.9	760.7	758.7	765.0	709.5
37.5°	823.6	821.3	826.1	832.4	826.3	828.4	821.8	817.0	824.8	841.3	780.0
40°	855.0	855.0	860.1	867.9	869.9	878.8	875.0	881.3	906.7	946.0	867.1
42.5°	882.9	883.1	893.8	905.9	920.6	934.3	937.3	953.8	1006.3	1067.8	976.6
45°	912.0	912.3	926.7	944.4	975.6	1001.7	1007.8	1044.8	1119.8	1194.8	1095.5
47.5°	945.7	942.9	962.9	992.6	1036.9	1074.4	1090.1	1142.6	1237.4	1329.6	1207.5
50°	983.7	977.9	1000.2	1051.4	1106.1	1157.5	1183.9	1244.0	1363.6	1454.0	1312.9
52.5°	1026.5	1023.2	1046.6	1108.9	1192.5	1251.8	1287.5	1366.4	1486.2	1577.9	1396.5
55°	1079.8	1071.9	1105.6	1184.9	1293.9	1369.4	1411.7	1487.5	1620.3	1690.5	1460.4
57.5°	1138.0	1129.4	1174.5	1279.9	1425.6	1508.5	1561.5	1623.8	1746.5	1776.6	1497.9
60°	1200.9	1198.1	1251.6	1391.4	1582.8	1679.1	1717.3	1773.8	1856.2	1826.5	1488.5
62.5°	1258.4	1257.4	1335.2	1512.3	1749.2	1855.2	1885.6	1900.5	1935.2	1823.2	1414.0
65°	1319.0	1327.6	1432.7	1652.4	1940.1	2044.0	2056.6	2018.6	1961.8	1736.8	1261.4
67.5°	1326.6	1343.3	1494.1	1783.7	2121.0	2219.1	2208.9	2063.5	1883.3	1496.3	988.8
70°	1186.4	1215.6	1396.3	1803.7	2248.4	2320.7	2247.4	1966.9	1598.2	1084.1	621.9
72.5°	991.3	1016.4	1176.0	1538.2	2084.0	2176.0	2076.9	1664.9	1129.4	621.9	316.8
75°	771.6	800.8	948.0	1222.7	1560.2	1596.9	1547.3	1161.1	620.8	256.4	143.9
77.5°	470.8	491.9	606.4	828.4	1091.7	1036.7	878.5	651.0	272.4	122.9	88.9
80°	208.3	221.2	298.8	445.0	630.7	596.3	470.1	278.0	149.0	78.0	62.1
82.5°	111.8	120.1	147.2	176.1	277.0	289.6	234.9	160.2	80.1	44.6	35.5
85°	49.2	54.0	66.9	63.9	91.0	89.5	90.2	110.0	38.3	20.5	23.1
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	2.8	14.7	3.8	6.1	5.3
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°	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5	576.5
2.5°	570.4	565.9	564.6	563.1	560.3	555.5	551.9	547.9	546.1	544.1	544.3
5°	556.2	550.6	545.3	538.5	529.9	520.2	513.6	506.0	502.0	498.2	499.2
7.5°	544.1	535.4	524.5	510.1	494.6	477.4	463.5	452.6	445.2	440.2	442.7
10°	536.5	526.3	507.3	483.7	457.6	431.3	411.3	392.5	380.9	371.7	371.2
12.5°	534.9	521.8	494.1	459.9	422.2	386.9	357.6	332.2	316.8	305.4	309.7
15°	536.5	519.7	482.7	437.9	390.2	342.6	306.1	277.0	258.5	248.1	247.3
17.5°	538.2	517.7	469.8	414.1	356.8	302.3	260.0	229.1	210.1	199.7	199.9
20°	539.7	514.7	454.6	388.0	322.8	264.8	221.0	191.6	174.6	167.0	168.3
22.5°	542.3	511.6	438.4	360.1	288.1	228.6	190.1	166.2	156.1	151.0	151.3
25°	547.1	509.8	421.7	329.7	253.9	199.7	168.8	152.8	146.5	143.4	143.2
27.5°	557.0	511.4	404.2	300.3	223.0	177.6	155.1	144.7	140.4	138.4	138.1
30°	573.5	517.4	389.0	270.4	196.4	160.4	145.7	139.4	136.8	135.1	134.8
32.5°	598.5	528.9	372.5	242.5	174.8	147.7	138.4	135.1	133.3	132.3	132.3
35°	636.5	549.6	356.3	218.2	158.1	137.9	132.5	131.3	129.7	129.2	129.7
37.5°	691.3	582.8	341.6	196.9	146.2	130.2	126.2	126.7	125.4	126.2	127.0
40°	760.7	627.2	329.2	179.4	137.3	124.7	120.6	122.4	121.6	122.4	123.7
42.5°	848.6	682.2	319.8	165.7	131.0	120.1	116.3	118.1	117.6	118.6	119.9
45°	946.7	754.6	315.5	156.1	126.4	116.8	112.8	114.0	113.5	114.3	115.6
47.5°	1040.7	820.5	319.3	150.5	122.6	114.0	109.7	110.2	110.0	109.7	110.5
50°	1121.8	873.0	330.2	148.7	120.1	111.2	107.2	107.4	106.7	105.2	105.7
52.5°	1188.0	915.0	336.8	148.7	118.8	108.2	104.4	104.7	103.1	101.1	101.4
55°	1231.5	932.0	331.5	148.5	118.3	105.7	101.6	101.9	100.3	97.8	98.1
57.5°	1244.0	915.5	309.2	145.7	117.8	103.6	98.8	99.3	98.3	95.5	95.5
60°	1209.2	855.2	268.4	139.4	116.6	102.4	96.8	97.6	97.1	94.3	94.3
62.5°	1118.3	748.0	219.7	129.7	113.0	100.9	95.0	96.5	97.8	96.3	96.0
65°	948.0	599.3	178.6	119.1	108.5	98.3	92.5	96.3	99.1	101.1	101.1
67.5°	711.3	429.0	145.7	107.9	101.6	93.3	89.2	92.7	94.8	96.0	96.8
70°	433.6	252.4	114.8	95.0	91.7	85.7	82.6	79.1	76.3	75.8	76.0
72.5°	212.1	144.4	93.3	80.8	78.3	72.7	65.9	64.4	63.1	62.3	62.1
75°	116.8	100.6	77.0	67.2	62.6	55.7	54.2	51.7	51.2	50.2	50.4
77.5°	82.6	79.3	63.6	54.5	47.6	44.1	44.9	43.1	43.1	42.3	42.1
80°	62.1	62.3	48.9	39.8	35.2	34.0	34.7	34.7	34.2	34.0	33.7
82.5°	39.3	44.3	32.9	25.6	25.1	25.3	25.1	24.8	25.3	24.6	24.3
85°	27.1	31.9	20.0	15.2	15.2	15.0	15.5	15.2	15.7	15.0	15.0
87.5°	6.1	14.2	7.3	4.6	4.8	4.6	4.8	5.1	5.6	5.8	5.8
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)