

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: P629115

Luminaire Tested: GWS-SA1B-722-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2395 lumens
Efficiency: N/A
Efficacy: 95.8 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

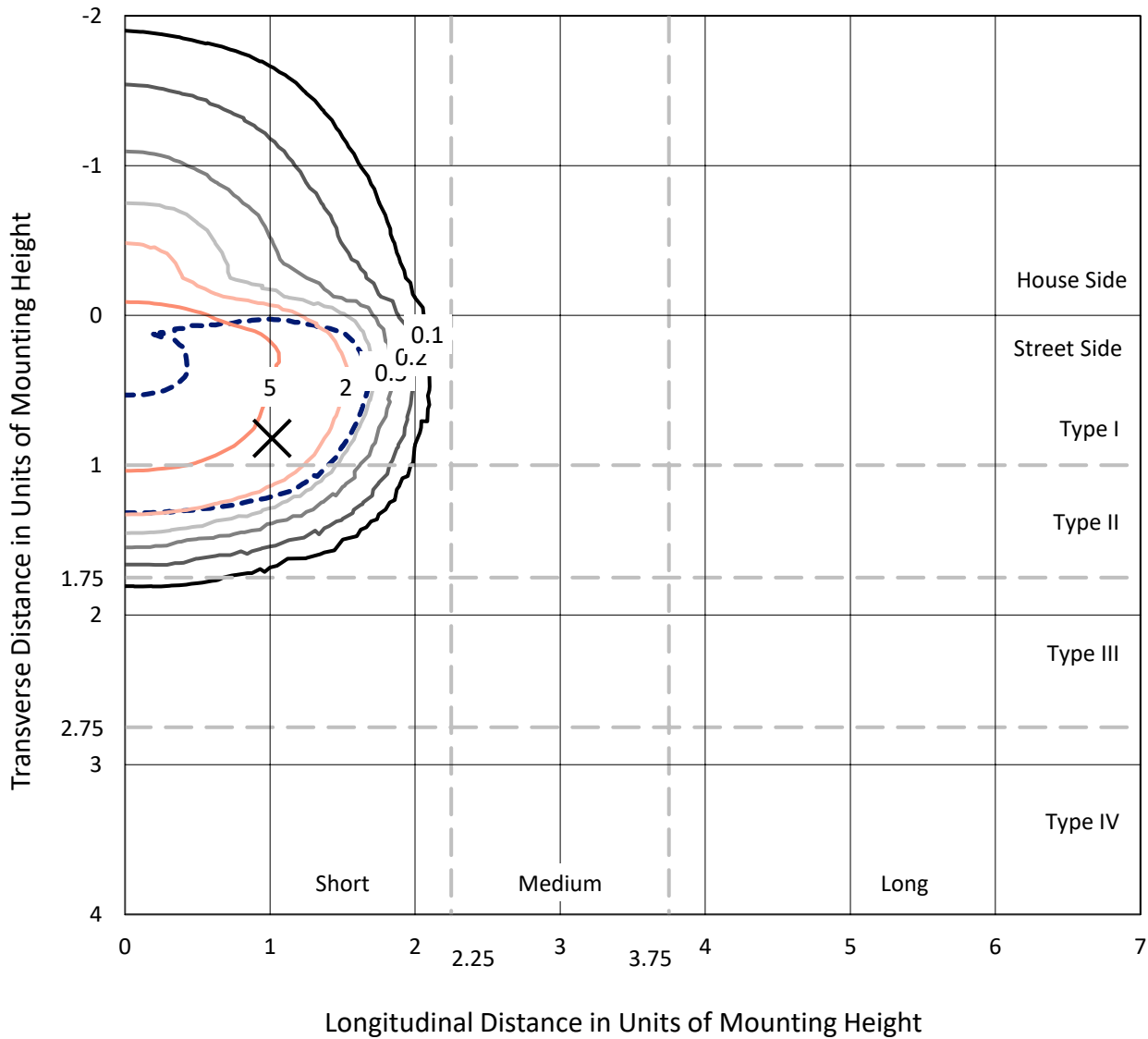
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

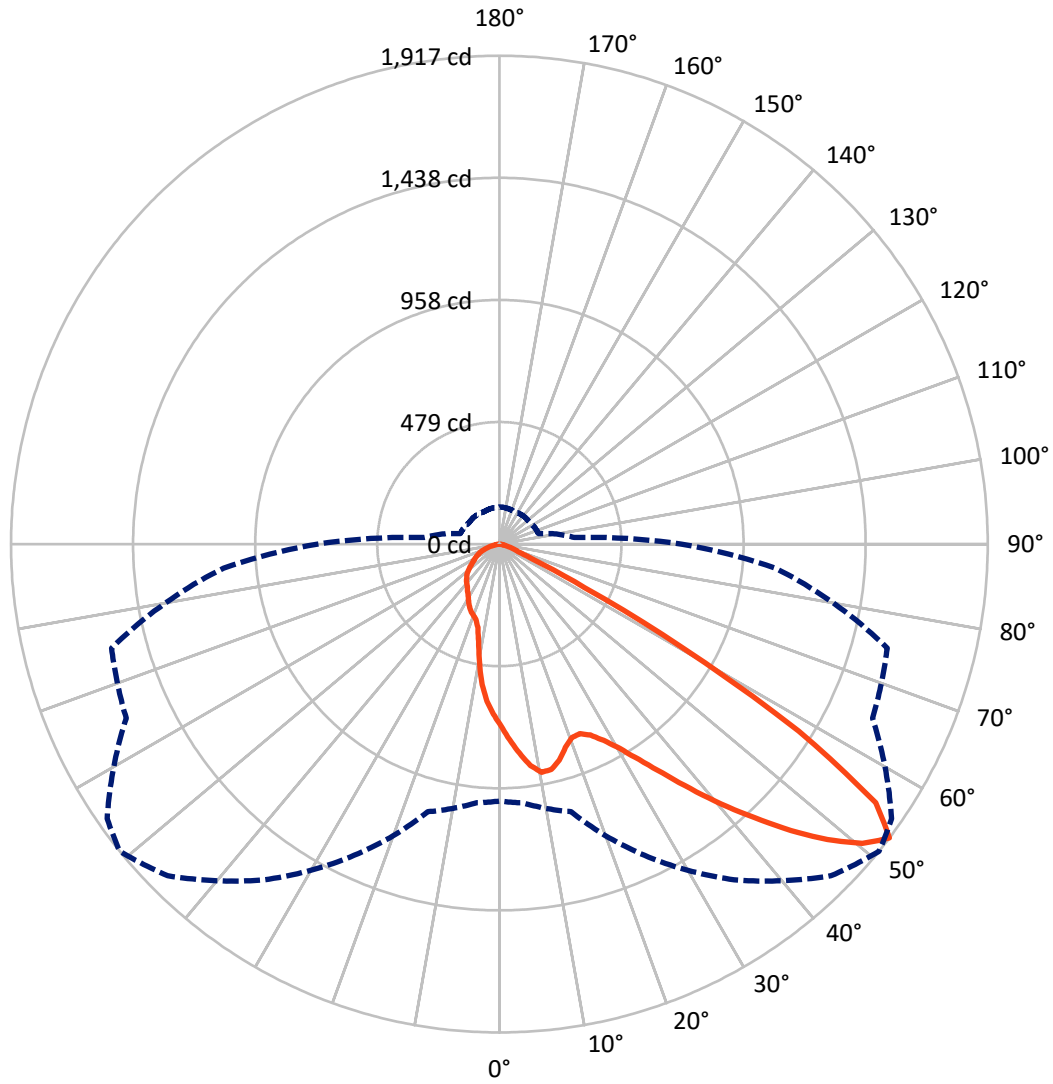
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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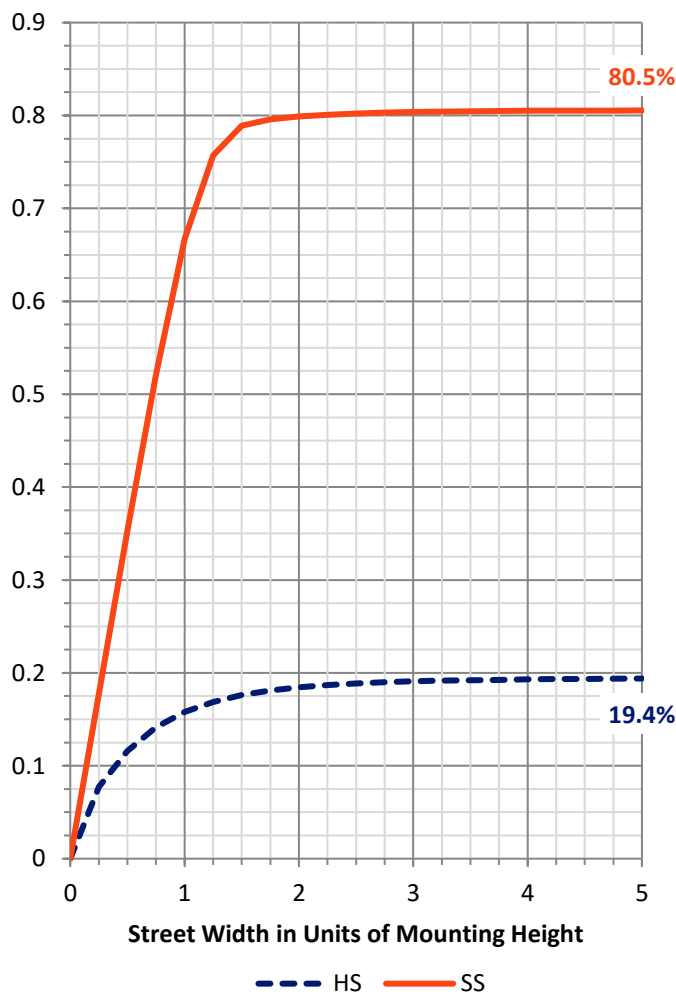
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.7	0.0	466.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	1928.4	0.0	1928.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	2395.0	0.0	2395.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	2.8
10°-20°	172.9	7.2
20°-30°	281.1	11.7
30°-40°	445.5	18.6
40°-50°	672.0	28.1
50°-60°	581.3	24.3
60°-70°	131.8	5.5
70°-80°	38.9	1.6
80°-90°	5.0	0.2
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°	2395.0	100.0
0°-180°	2395.0	100.0

Coefficient of Utilization



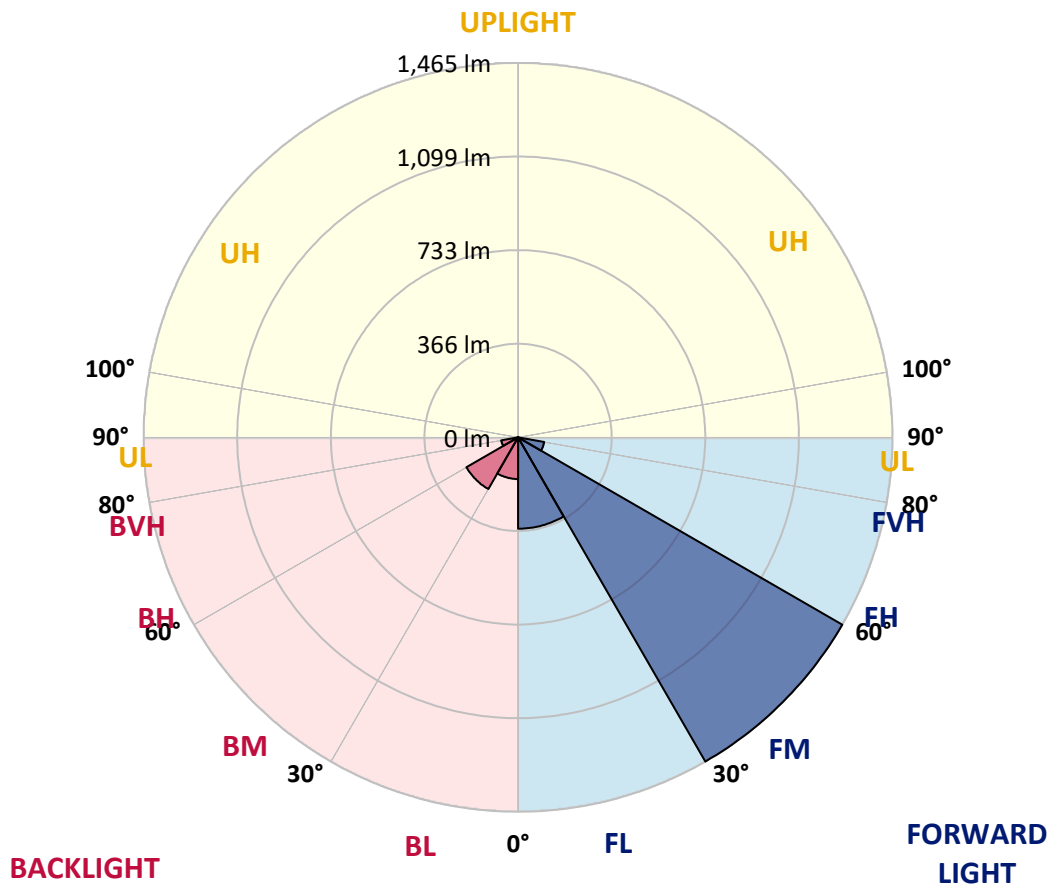
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.5	14.9			
FM (30°-60°)	1465.3	61.2			
FH (60°-80°)	103.7	4.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	163.1	6.8	B1/500		
BM (30°-60°)	233.5	9.7	B1/1000		
BH (60°-80°)	66.9	2.8	B0/110		G0/110
BVH (80°-90°)	3.1	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	794.7	799.2	792.2	789.6	785.2	777.6	768.9	766.5	747.7	735.4	721.6
5°	874.5	877.0	871.3	865.7	854.9	841.4	824.6	821.0	786.9	758.7	729.4
7.5°	892.3	891.4	896.3	899.5	898.2	892.9	878.0	870.9	830.3	785.6	742.3
10°	821.9	816.6	834.8	856.4	882.3	912.2	910.5	909.9	874.5	821.7	758.7
12.5°	728.6	726.0	740.7	767.8	816.8	883.1	907.9	927.2	914.5	856.2	777.1
15°	675.3	674.3	684.3	703.8	742.8	826.5	879.5	917.7	948.7	893.1	796.6
17.5°	665.6	666.2	669.6	680.7	708.8	777.6	839.0	892.3	975.4	933.6	821.0
20°	693.8	697.6	691.7	693.4	708.6	760.0	811.3	866.8	992.5	974.3	847.3
22.5°	756.5	755.1	742.3	734.7	734.9	770.8	808.3	854.9	1003.6	1013.8	871.1
25°	827.4	825.9	810.6	793.7	783.1	800.2	830.1	867.5	1013.6	1050.0	890.3
27.5°	911.3	906.5	889.5	867.9	844.5	851.8	872.1	901.8	1029.2	1085.6	902.9
30°	992.5	997.9	973.5	948.0	923.2	918.6	930.4	957.2	1060.8	1127.2	918.1
32.5°	1100.1	1098.2	1071.2	1037.9	1002.5	999.1	1008.3	1033.0	1117.5	1184.7	941.2
35°	1230.5	1230.9	1192.5	1147.5	1097.1	1088.0	1103.5	1127.4	1202.1	1262.7	977.7
37.5°	1366.0	1365.5	1332.0	1280.9	1212.2	1199.3	1217.1	1234.9	1307.9	1368.9	1034.5
40°	1461.0	1464.8	1449.1	1422.2	1357.1	1325.7	1341.4	1353.7	1423.0	1493.8	1109.2
42.5°	1515.0	1520.7	1524.1	1540.2	1505.9	1472.4	1466.7	1473.2	1525.8	1609.8	1179.4
45°	1526.5	1534.1	1558.9	1618.5	1631.8	1622.3	1603.7	1588.2	1602.4	1692.1	1225.4
47.5°	1475.6	1488.9	1541.9	1646.1	1723.5	1753.3	1732.6	1709.0	1646.7	1713.3	1220.7
50°	1273.9	1289.4	1408.8	1589.7	1736.6	1844.9	1846.7	1811.7	1641.4	1652.2	1161.3
52.5°	1008.5	1019.1	1087.5	1347.7	1608.5	1841.1	1916.8	1879.3	1615.9	1575.7	1086.9
55°	602.8	619.8	683.6	889.1	1253.1	1631.8	1793.0	1811.2	1603.4	1511.6	1036.2
57.5°	203.4	211.8	272.7	392.7	738.5	1194.8	1385.3	1459.2	1455.6	1413.5	937.2
60°	96.9	98.8	111.1	148.9	295.6	624.4	820.0	905.2	982.8	990.6	583.1
62.5°	73.8	74.9	81.2	89.3	118.9	263.1	375.9	441.0	471.1	404.2	212.3
65°	61.7	62.6	67.4	72.5	80.8	113.9	144.2	166.4	149.9	116.8	101.3
67.5°	51.5	52.2	55.8	61.3	67.0	76.3	80.1	82.3	86.3	96.9	93.1
70°	40.3	41.1	44.9	49.6	55.1	57.3	60.9	63.2	71.2	84.8	84.4
72.5°	31.0	32.0	34.1	37.1	41.6	43.9	47.9	50.5	55.1	66.0	70.6
75°	22.7	23.3	25.2	26.1	26.7	26.1	30.1	33.1	39.2	43.3	44.5
77.5°	9.3	10.4	10.0	10.0	11.9	14.4	16.5	18.4	22.5	25.0	25.2
80°	3.8	4.2	4.9	5.5	6.6	8.5	9.8	10.6	12.5	14.0	15.1
82.5°	2.3	2.5	2.8	3.0	3.8	4.9	5.7	6.2	7.8	9.3	9.8
85°	1.1	1.1	1.3	1.5	1.9	2.3	2.6	3.0	4.0	4.9	5.5
87.5°	0.2	0.2	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.9
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°	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1	713.1
2.5°	713.5	703.3	691.3	681.9	670.9	662.8	651.2	644.0	637.2	631.5	627.4
5°	714.2	697.0	672.2	650.3	627.6	606.0	583.9	565.9	549.8	536.3	535.2
7.5°	718.6	693.8	655.0	616.6	572.3	529.5	486.8	451.9	425.4	411.6	408.8
10°	726.0	693.4	637.4	576.1	500.6	431.7	381.0	354.5	339.1	333.7	331.8
12.5°	733.7	692.5	614.9	518.9	414.1	353.7	325.9	322.7	325.5	325.9	325.7
15°	743.2	691.9	586.5	451.9	350.9	317.6	319.5	326.3	332.9	334.4	334.4
17.5°	754.7	690.6	547.9	386.5	311.3	310.6	320.6	329.7	335.9	337.1	337.1
20°	766.9	687.2	500.4	333.1	295.2	306.2	317.0	324.0	328.4	329.9	330.1
22.5°	775.2	678.1	445.7	293.5	285.2	297.9	305.6	312.8	312.8	309.1	307.9
25°	776.9	658.6	386.5	266.5	273.3	285.0	293.0	288.8	281.0	278.0	277.8
27.5°	770.6	630.2	328.0	247.2	258.9	270.6	269.3	263.3	259.8	256.8	258.0
30°	763.1	596.2	277.3	231.3	242.2	253.8	249.2	247.2	244.7	241.3	242.1
32.5°	758.0	558.1	238.3	219.0	231.1	233.0	236.2	236.0	233.7	227.3	226.9
35°	759.5	519.7	212.2	208.9	221.8	221.0	227.1	226.0	210.3	201.4	200.8
37.5°	771.6	482.8	196.8	201.0	207.0	211.8	217.1	203.4	198.0	192.3	192.7
40°	794.7	448.5	188.5	196.6	198.1	205.2	192.9	192.7	190.2	185.1	184.9
42.5°	820.8	419.6	182.8	194.6	192.5	193.8	180.7	182.3	182.1	178.8	177.9
45°	836.7	392.9	178.3	186.8	187.4	174.1	170.1	171.8	172.8	171.1	170.9
47.5°	820.2	362.2	173.5	174.9	179.8	165.2	160.3	160.5	162.2	162.4	161.6
50°	774.1	328.0	167.9	164.7	161.4	155.9	151.4	150.5	152.2	153.9	154.4
52.5°	714.4	295.2	158.4	153.5	145.9	145.9	143.8	140.8	143.1	145.3	146.1
55°	670.7	271.0	145.0	139.5	131.2	134.0	133.6	131.0	134.0	135.7	136.3
57.5°	581.2	217.8	127.6	125.9	118.9	122.3	123.0	119.6	118.1	118.5	119.0
60°	345.0	140.6	115.1	114.9	108.6	112.6	114.9	111.5	106.9	107.5	108.3
62.5°	154.8	107.5	99.4	98.6	98.4	103.5	106.0	102.8	96.3	96.9	97.7
65°	97.5	92.9	86.3	86.3	89.3	93.7	95.6	92.9	85.5	84.6	85.4
67.5°	90.5	86.5	79.7	78.4	79.9	83.5	83.7	78.5	74.2	73.4	73.4
70°	81.2	78.2	71.5	68.9	68.3	68.1	67.6	66.2	63.4	62.6	63.0
72.5°	67.2	65.1	60.9	58.1	56.6	56.4	54.1	53.0	50.5	50.2	50.0
75°	44.5	45.0	45.0	44.7	43.3	42.8	40.3	39.2	36.3	35.2	35.0
77.5°	26.3	26.9	27.6	27.8	27.6	27.6	25.4	24.0	21.2	19.7	19.3
80°	16.1	16.5	16.8	17.4	16.7	16.1	14.0	12.7	11.4	10.4	10.2
82.5°	10.4	10.8	11.0	11.4	11.0	10.2	8.5	7.8	6.8	6.1	5.9
85°	5.9	6.1	6.4	6.4	5.9	5.3	4.4	3.8	3.2	2.8	2.8
87.5°	2.1	2.1	2.1	2.3	1.9	1.7	1.1	0.8	0.6	0.6	0.6
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)