

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: P629639

Luminaire Tested: GWS-SA1C-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2373.4 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

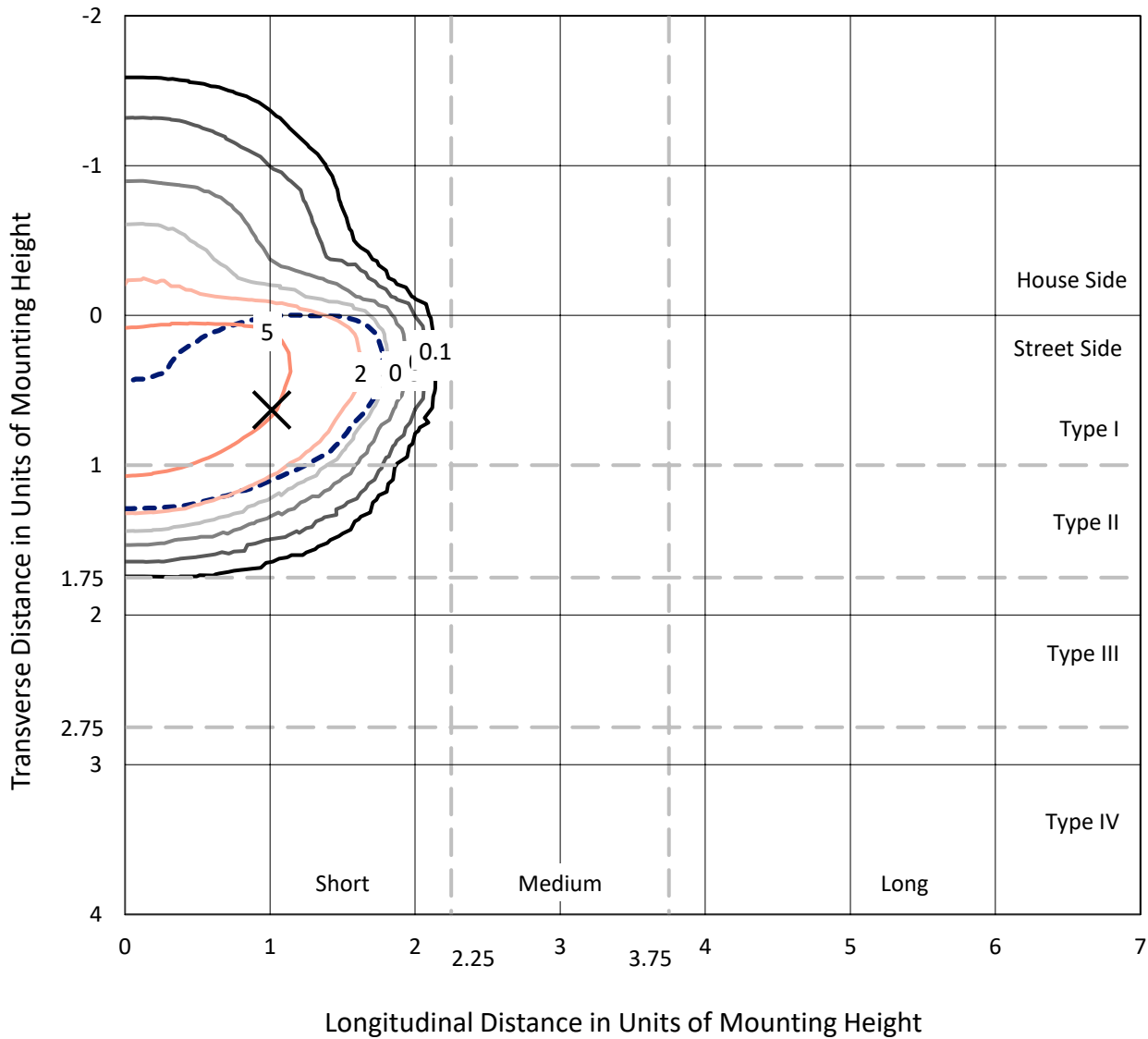
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

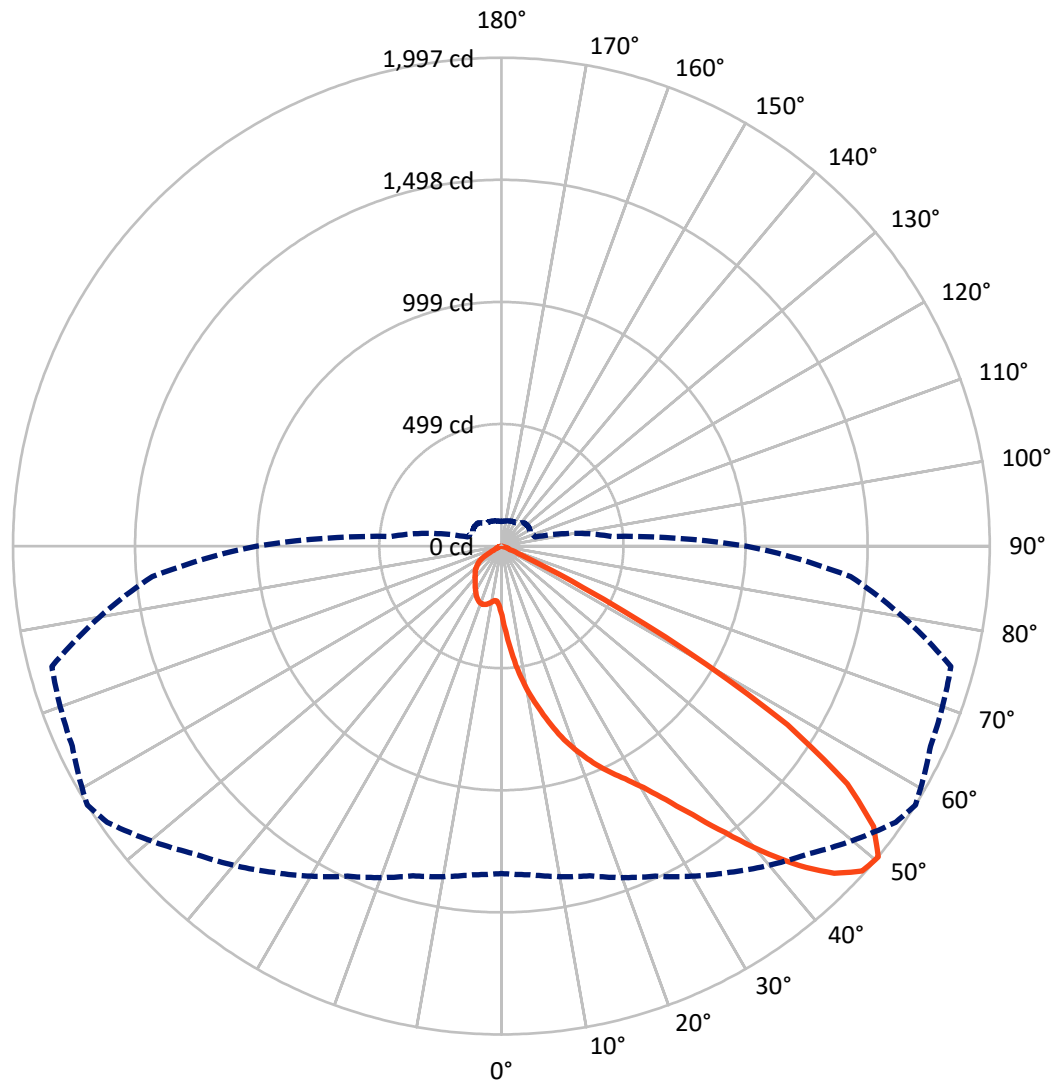
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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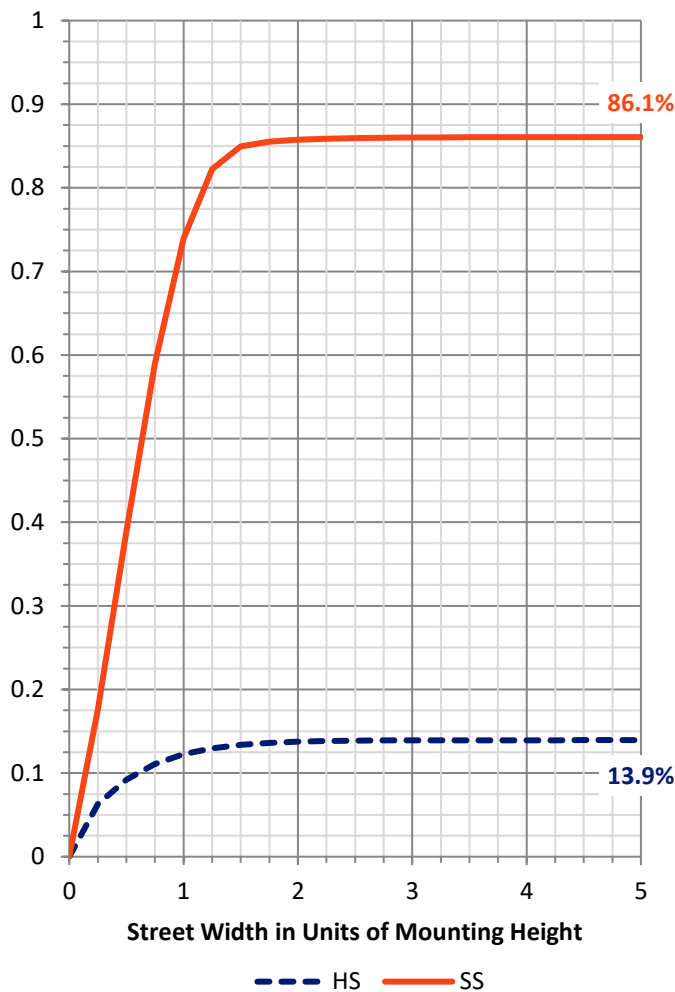
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.4	0.0	332.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2041.0	0.0	2041.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	2373.4	0.0	2373.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	1.5
10°-20°	139.0	5.9
20°-30°	281.3	11.9
30°-40°	497.7	21.0
40°-50°	725.6	30.6
50°-60°	581.6	24.5
60°-70°	104.8	4.4
70°-80°	8.3	0.3
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°	2373.4	100.0
0°-180°	2373.4	100.0

Coefficient of Utilization



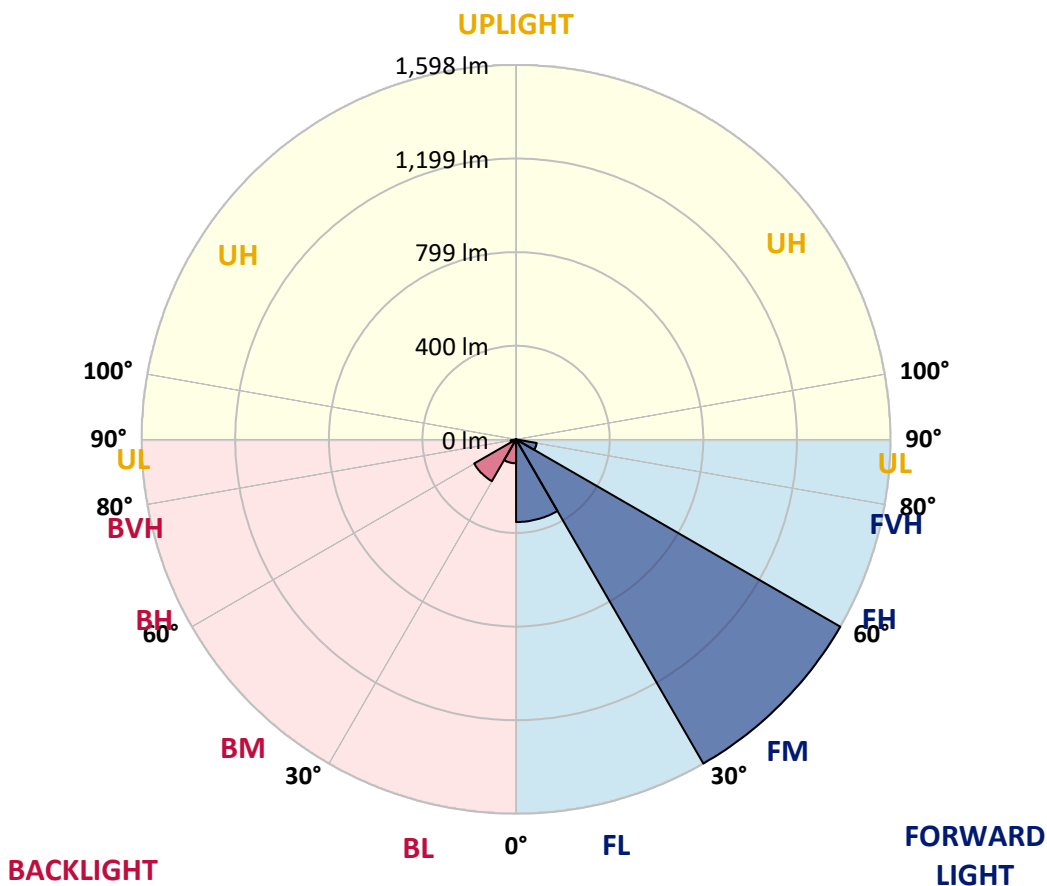
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.2	14.9			
FM (30°-60°)	1598.4	67.3			
FH (60°-80°)	89.4	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	102.3	4.3	B0/110		
BM (30°-60°)	206.5	8.7	B0/220		
BH (60°-80°)	23.6	1.0	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: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	419.5	412.9	409.1	406.1	392.6	371.3	357.4	350.0	337.8	317.3	299.5
5°	547.5	542.6	533.7	527.7	510.4	480.2	449.0	436.5	408.9	362.4	320.8
7.5°	632.2	628.7	625.4	617.3	601.0	573.6	539.1	526.1	483.5	417.5	349.2
10°	697.5	694.7	690.9	690.6	677.9	653.3	619.5	606.1	559.9	477.4	382.7
12.5°	754.8	752.5	751.8	758.9	750.8	732.5	695.9	679.2	630.2	538.6	419.8
15°	794.2	793.6	796.9	810.9	815.5	807.1	776.4	758.4	702.0	600.0	460.7
17.5°	812.2	813.7	820.0	844.2	864.5	871.6	848.0	832.7	773.3	662.2	504.3
20°	842.9	842.4	846.2	869.0	893.9	919.3	912.2	899.2	845.4	727.9	552.8
22.5°	929.4	922.1	913.9	917.5	926.4	956.1	969.3	962.7	919.8	795.4	602.8
25°	1062.4	1054.8	1028.7	1003.3	986.5	1000.0	1018.0	1021.3	993.6	864.7	655.1
27.5°	1203.5	1196.7	1167.2	1129.2	1081.2	1057.9	1071.3	1077.9	1066.2	947.2	710.6
30°	1335.8	1326.6	1294.4	1247.2	1191.6	1155.8	1140.6	1145.2	1152.0	1044.9	775.9
32.5°	1450.5	1443.6	1405.1	1355.3	1301.8	1264.4	1228.9	1236.5	1253.3	1164.5	859.4
35°	1547.7	1544.1	1503.3	1453.8	1397.2	1378.2	1347.7	1349.2	1366.0	1308.9	961.2
37.5°	1632.2	1626.1	1589.1	1543.1	1498.2	1495.2	1486.8	1487.5	1496.2	1477.1	1078.2
40°	1685.5	1679.9	1653.5	1625.1	1593.1	1593.6	1637.0	1640.3	1630.4	1642.4	1201.8
42.5°	1705.6	1701.5	1687.3	1687.5	1684.2	1699.2	1780.7	1786.8	1751.2	1772.1	1307.3
45°	1670.8	1669.0	1670.0	1706.6	1746.2	1792.4	1898.2	1908.9	1858.6	1858.1	1389.8
47.5°	1558.6	1555.1	1584.7	1646.9	1738.6	1828.4	1969.3	1985.8	1933.7	1907.3	1441.6
50°	1338.8	1349.0	1395.9	1489.3	1628.7	1778.9	1968.5	1997.2	1936.5	1903.0	1433.0
52.5°	969.8	967.8	1070.5	1199.0	1368.5	1620.5	1863.9	1905.8	1868.8	1860.6	1413.7
55°	527.7	546.2	615.5	785.5	997.2	1320.8	1625.1	1716.5	1759.4	1845.2	1448.5
57.5°	193.9	202.0	245.4	365.7	527.9	821.3	1241.4	1379.2	1511.7	1802.0	1442.6
60°	78.2	79.7	97.0	134.5	221.8	418.0	744.7	867.0	991.9	1379.4	1107.1
62.5°	56.9	58.9	65.7	78.7	112.2	182.7	321.1	373.3	408.1	683.2	545.4
65°	45.9	47.5	53.0	58.9	74.1	98.2	103.6	99.7	99.2	176.6	125.1
67.5°	38.1	39.6	43.7	47.7	53.3	49.0	35.5	37.3	30.5	30.2	24.6
70°	27.9	29.7	33.8	38.1	32.0	13.2	20.6	30.5	23.1	19.3	18.8
72.5°	21.1	22.3	26.1	24.9	9.4	5.1	13.7	22.1	17.8	14.2	14.0
75°	15.7	16.5	13.2	4.1	1.0	1.3	5.1	9.1	9.9	8.1	8.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	1.0	1.3	1.5
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	289.3	278.7	263.4	250.8	241.1	231.7	224.6	217.5	217.3	213.7	212.9
5°	301.5	282.2	254.3	234.3	222.1	214.7	209.6	207.1	205.8	204.6	204.1
7.5°	319.0	291.4	252.8	231.5	221.3	216.5	212.9	211.4	210.7	209.6	209.4
10°	340.6	304.6	258.4	236.8	227.9	223.3	219.5	217.3	216.0	214.2	213.7
12.5°	366.5	320.8	267.3	245.7	236.3	230.2	225.1	221.8	220.0	217.8	217.3
15°	394.4	338.3	277.2	253.8	242.6	234.8	228.4	223.3	220.0	217.3	216.5
17.5°	423.3	356.1	286.0	259.4	245.7	236.3	227.2	220.3	216.2	212.7	211.7
20°	455.8	374.4	291.9	260.4	244.7	232.2	221.6	212.9	208.9	204.1	203.0
22.5°	489.8	391.4	294.4	258.1	239.1	224.6	213.2	204.3	198.5	193.4	191.9
25°	522.8	406.6	293.1	251.8	230.7	214.0	202.3	193.1	186.8	181.7	180.5
27.5°	557.9	419.3	288.6	242.4	219.3	202.3	191.1	183.2	177.4	171.8	170.6
30°	597.2	431.0	281.2	231.0	205.8	190.4	181.7	176.4	170.0	164.2	162.4
32.5°	644.7	441.4	270.6	217.3	193.9	179.9	175.1	171.1	163.7	157.6	156.3
35°	699.0	450.0	257.1	203.0	182.2	173.3	172.3	167.0	157.4	150.3	148.7
37.5°	761.9	458.4	241.1	189.1	173.6	170.3	170.6	161.4	149.7	141.1	140.1
40°	829.7	466.7	223.3	176.9	165.7	168.5	166.2	153.3	134.3	125.9	124.9
42.5°	900.2	475.9	205.3	165.5	159.1	161.7	158.4	137.1	123.3	119.0	118.5
45°	963.9	486.8	185.8	154.1	152.5	151.8	146.2	124.1	118.3	115.2	115.0
47.5°	1009.9	485.0	165.0	143.1	145.4	142.9	125.9	118.0	113.2	109.1	108.1
50°	1001.5	454.1	143.4	131.0	136.3	134.0	113.2	110.9	106.6	102.3	100.8
52.5°	980.2	411.9	124.6	118.0	126.4	121.1	104.6	102.3	98.5	92.9	91.1
55°	991.6	372.3	109.9	107.6	116.2	100.3	94.9	91.4	87.3	81.2	80.5
57.5°	954.8	303.8	88.3	89.8	102.8	85.5	83.2	77.7	70.8	66.8	66.2
60°	660.9	163.2	55.3	57.1	74.4	71.8	74.6	69.5	61.2	57.4	56.6
62.5°	303.5	65.5	30.2	28.9	39.1	48.7	64.0	63.5	53.0	47.0	46.4
65°	73.6	29.9	21.6	20.3	22.1	29.2	41.6	50.0	42.9	35.8	35.0
67.5°	23.9	24.4	19.8	18.5	19.5	21.8	24.9	27.7	27.4	25.1	24.6
70°	19.0	22.1	18.3	16.8	16.8	17.5	16.8	13.5	11.7	12.7	13.2
72.5°	14.2	16.8	14.5	12.9	12.4	12.2	10.4	7.6	5.3	4.8	4.6
75°	8.4	9.4	8.9	7.6	7.1	6.3	5.1	3.3	1.8	1.3	0.8
77.5°	1.5	1.8	2.0	1.5	1.3	1.0	0.8	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.3	0.3	0.0	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)