

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: P629908

Luminaire Tested: GWS-SA1C-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629908
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2920.5 lumens
Efficiency: N/A
Efficacy: 85.6 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

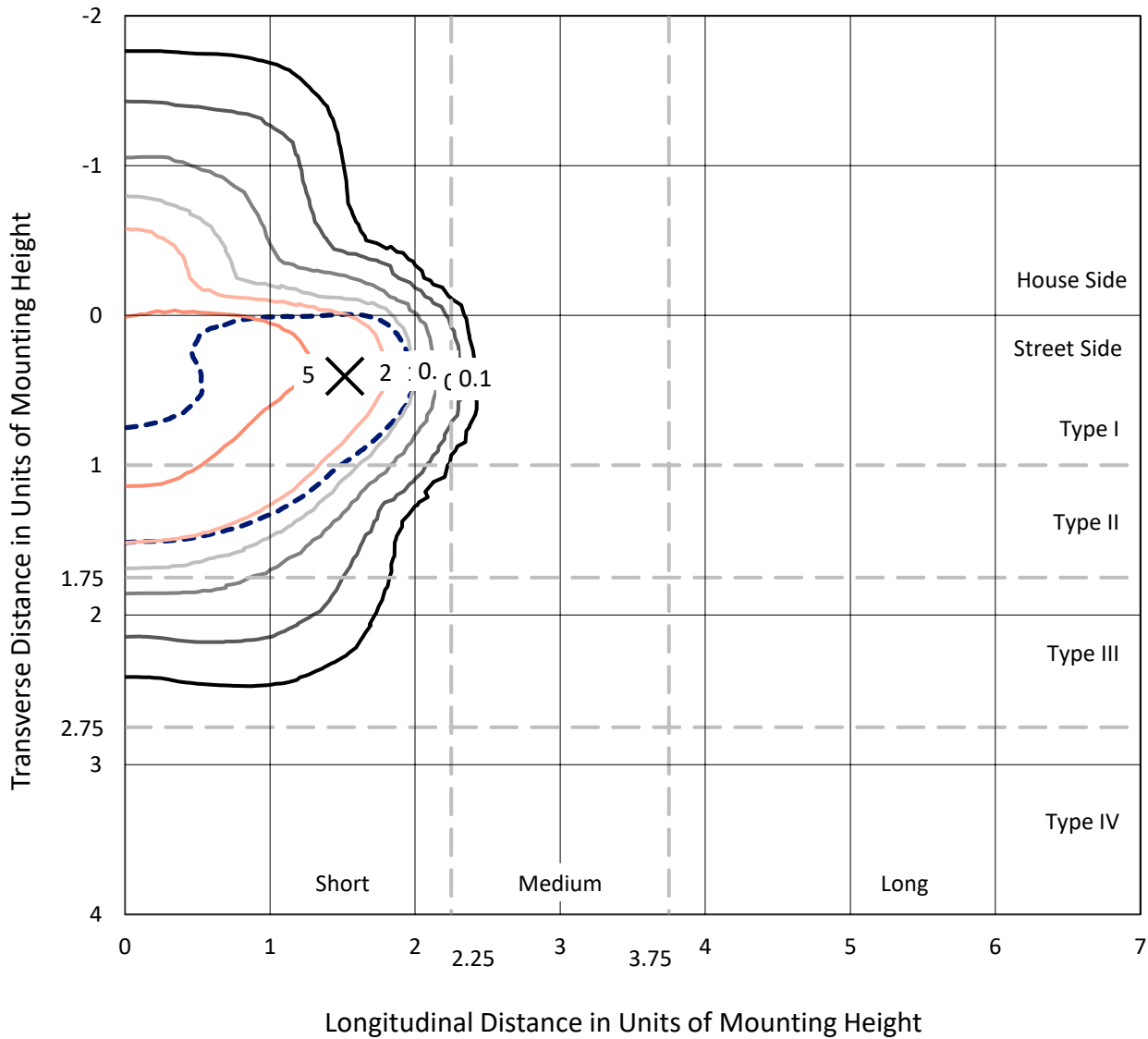
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

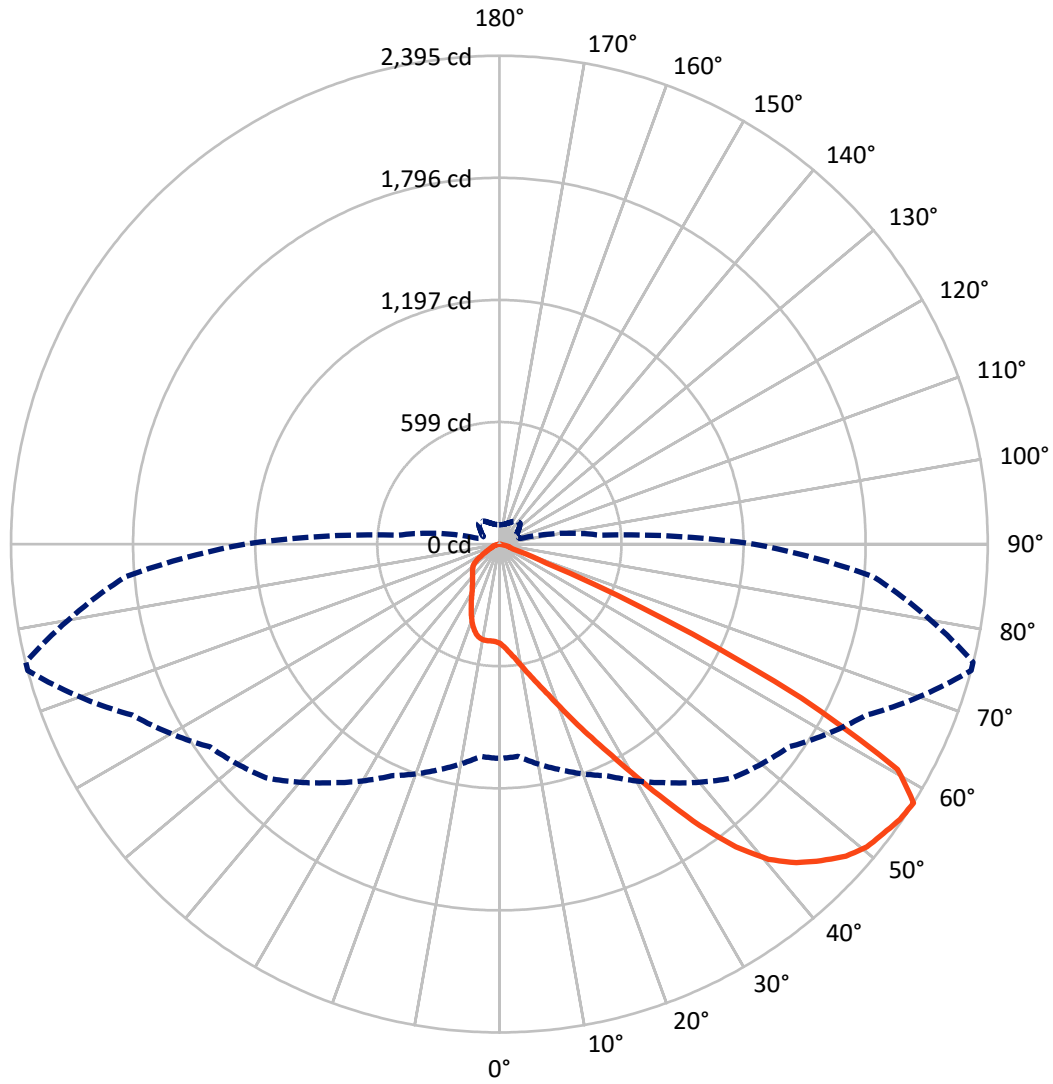
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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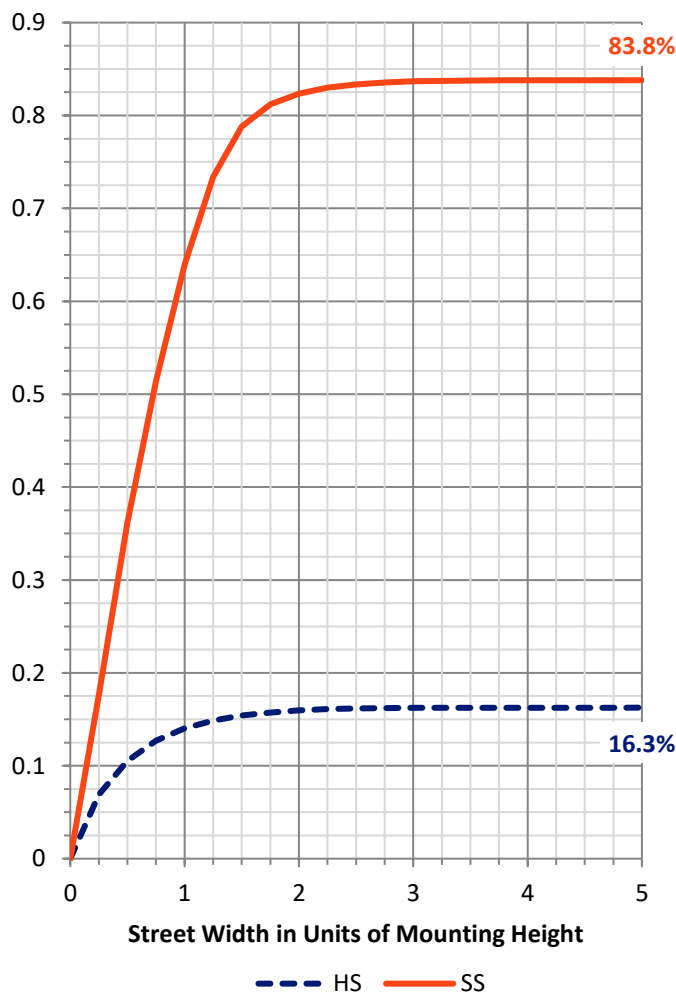
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.1	0.0	477.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2443.4	0.0	2443.4
	% Fixture	83.7	0.0	83.7
Total	Lumens	2920.5	0.0	2920.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.7
10°-20°	161.0	5.5
20°-30°	294.9	10.1
30°-40°	489.2	16.8
40°-50°	747.1	25.6
50°-60°	839.5	28.7
60°-70°	309.6	10.6
70°-80°	29.6	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°	2920.5	100.0
0°-180°	2920.5	100.0

Coefficient of Utilization



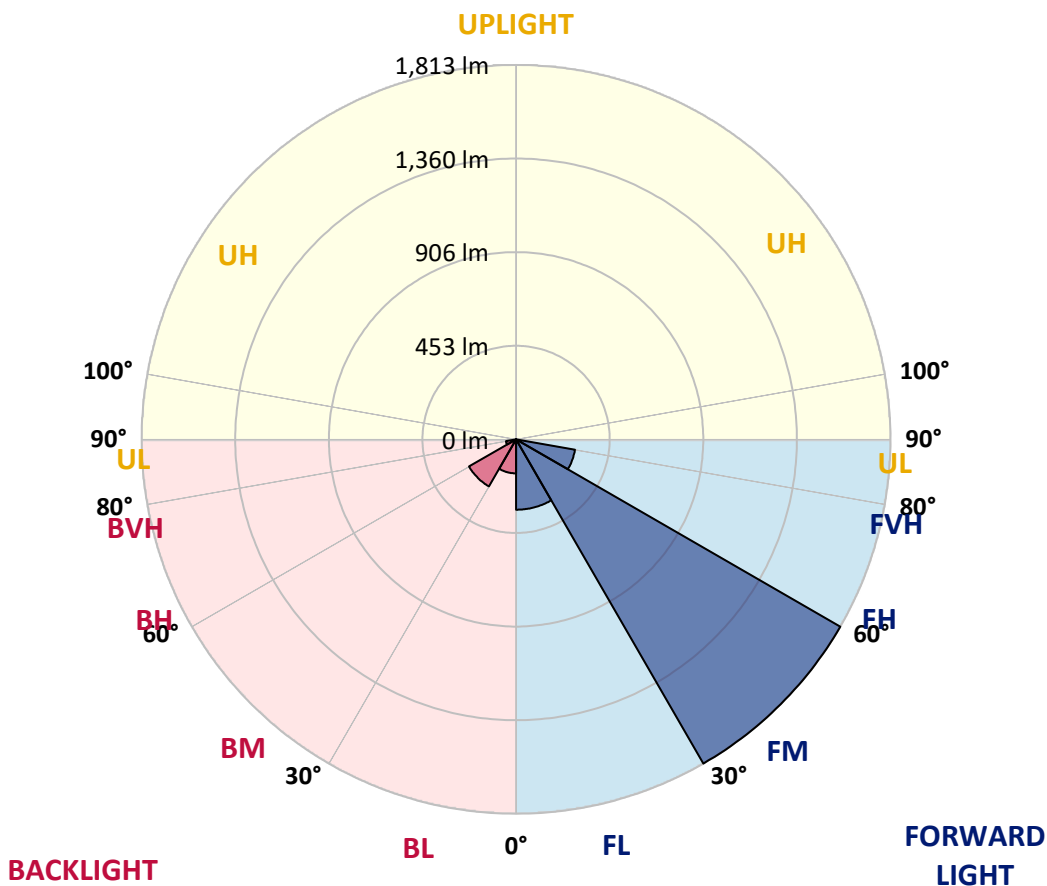
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.8	11.7			
FM (30°-60°)	1812.9	62.1			
FH (60°-80°)	289.7	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	164.6	5.6	B1/500		
BM (30°-60°)	262.9	9.0	B1/1000		
BH (60°-80°)	49.5	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°	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1
2.5°	544.2	549.8	548.1	544.5	542.4	535.0	530.5	517.1	507.5	506.5	497.7
5°	612.9	611.9	610.5	606.2	602.7	591.1	577.3	554.8	534.7	532.2	513.5
7.5°	650.6	651.3	652.0	651.3	648.9	640.1	624.9	598.5	567.8	565.7	536.1
10°	666.1	667.6	671.1	677.8	683.8	683.1	674.3	647.1	609.4	605.9	566.0
12.5°	673.5	675.3	681.0	693.6	709.9	722.5	724.0	699.6	658.0	652.4	601.6
15°	683.8	685.5	692.6	709.1	732.8	757.8	774.0	758.5	712.0	706.0	640.8
17.5°	688.4	690.8	701.0	722.9	753.6	792.0	828.6	827.2	775.8	771.2	686.2
20°	697.2	698.9	708.1	731.7	768.7	824.0	885.7	907.9	853.7	847.0	741.2
22.5°	725.0	725.7	729.9	744.7	779.3	847.3	943.9	1002.0	945.6	936.8	802.9
25°	770.5	770.1	771.9	774.4	799.7	870.9	999.9	1108.1	1051.0	1041.5	872.7
27.5°	828.3	828.3	832.5	825.5	835.7	900.2	1055.3	1230.1	1173.7	1160.3	949.2
30°	896.3	896.0	905.8	894.5	897.7	946.4	1114.8	1363.0	1321.7	1305.2	1037.3
32.5°	988.6	986.5	997.8	982.3	971.7	1016.1	1187.4	1501.8	1499.0	1473.6	1148.0
35°	1105.3	1101.8	1105.3	1090.2	1071.1	1113.8	1282.6	1640.3	1695.7	1668.9	1279.8
37.5°	1221.3	1232.6	1236.4	1210.3	1194.8	1237.5	1397.1	1764.4	1883.5	1855.7	1416.9
40°	1358.0	1354.5	1367.9	1338.6	1328.8	1376.0	1509.2	1856.8	2032.3	2005.8	1538.8
42.5°	1458.8	1465.2	1481.7	1465.5	1457.8	1502.2	1603.3	1910.7	2135.6	2109.5	1625.9
45°	1579.7	1584.3	1590.6	1577.3	1569.1	1612.9	1671.4	1934.3	2214.1	2186.0	1684.4
47.5°	1710.5	1714.0	1714.0	1686.5	1660.4	1678.4	1716.8	1947.7	2286.4	2259.3	1727.8
50°	1804.2	1806.0	1821.5	1802.1	1745.4	1717.5	1737.6	1960.7	2334.3	2309.0	1741.9
52.5°	1721.1	1718.9	1770.1	1810.2	1825.4	1770.1	1773.6	1979.8	2357.6	2335.7	1753.1
55°	1449.3	1445.8	1517.7	1615.3	1748.9	1819.7	1816.9	1991.0	2383.3	2369.9	1794.0
57.5°	1050.7	1044.7	1144.8	1253.3	1428.5	1620.6	1733.4	1984.7	2394.6	2393.6	1841.6
60°	631.6	626.7	721.1	835.3	970.7	1163.8	1351.0	1777.8	2243.8	2245.9	1717.9
62.5°	388.8	393.3	478.6	536.8	587.2	645.4	753.6	1195.9	1662.2	1675.9	1207.2
65°	261.5	265.0	344.0	417.3	417.3	341.2	292.9	571.7	886.8	863.5	571.0
67.5°	175.5	179.4	241.8	327.4	339.8	237.9	118.8	170.6	247.1	239.7	141.3
70°	103.3	107.5	161.1	224.5	247.4	165.7	79.3	72.3	70.1	68.0	55.0
72.5°	46.2	47.9	82.1	114.2	104.3	69.8	56.0	57.8	54.6	53.6	44.8
75°	14.1	14.8	21.1	24.7	25.0	25.0	33.8	45.5	43.0	43.4	34.5
77.5°	3.5	3.5	5.6	5.3	2.8	2.5	6.3	10.2	10.6	9.5	7.0
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
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°	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1	487.1
2.5°	493.8	484.6	478.6	470.2	464.2	457.8	452.2	447.6	445.2	444.5	444.8
5°	505.1	490.6	476.5	460.3	449.0	438.5	430.0	423.3	420.1	419.1	419.1
7.5°	522.3	502.3	477.2	451.9	432.8	416.3	406.4	399.0	396.2	395.5	393.3
10°	544.9	517.4	476.2	436.7	409.9	392.6	385.6	383.5	384.5	384.9	384.5
12.5°	572.0	533.3	469.5	414.5	385.6	375.0	375.7	381.4	387.7	390.9	391.6
15°	600.9	547.7	454.3	388.1	364.8	364.4	374.7	387.7	400.0	405.3	406.7
17.5°	633.4	559.4	431.1	359.9	346.8	357.0	375.4	395.5	412.0	420.8	422.6
20°	669.0	568.9	401.5	333.4	331.0	349.3	374.7	399.3	419.8	429.6	431.4
22.5°	706.0	575.6	367.3	309.1	316.5	340.5	368.0	391.9	411.3	422.6	424.0
25°	748.3	576.3	332.4	288.7	303.1	328.5	351.8	371.5	387.7	397.6	398.6
27.5°	785.3	567.8	301.4	272.1	290.8	313.7	329.2	340.1	351.4	357.0	357.4
30°	827.9	553.0	272.1	258.7	278.1	295.4	303.1	305.6	306.6	307.7	306.3
32.5°	878.7	535.0	250.2	245.7	263.6	275.3	277.4	272.5	266.5	258.0	255.9
35°	941.1	518.8	232.3	233.0	247.8	254.8	253.1	242.5	230.9	220.6	218.9
37.5°	1008.7	505.1	218.5	220.6	230.5	235.4	230.2	218.5	213.2	204.4	204.8
40°	1068.7	493.8	206.2	208.3	212.9	217.5	209.0	201.3	211.1	210.4	211.1
42.5°	1111.3	484.3	195.6	194.6	197.7	200.9	194.6	190.7	207.2	202.7	205.1
45°	1136.3	475.5	186.8	180.5	185.4	191.0	186.8	181.9	187.5	166.4	164.6
47.5°	1153.2	470.5	179.0	166.7	175.5	185.4	176.6	164.6	156.5	138.2	136.8
50°	1155.0	468.1	169.9	152.6	163.9	174.5	164.2	147.7	136.0	127.9	126.9
52.5°	1164.2	473.0	157.2	134.6	147.0	163.9	156.8	140.3	124.4	117.4	116.0
55°	1205.1	493.8	136.0	110.0	127.9	155.8	150.9	125.1	110.0	105.7	104.7
57.5°	1247.4	498.0	107.1	87.1	111.4	144.2	137.8	115.3	100.5	95.5	94.5
60°	1140.6	410.3	80.4	71.9	98.3	133.2	127.6	109.3	92.0	86.0	84.9
62.5°	749.3	221.7	63.8	61.0	82.8	112.8	116.3	98.7	82.1	75.8	75.4
65°	345.4	102.9	49.0	48.3	64.9	89.9	100.1	86.4	69.4	63.8	63.8
67.5°	94.1	51.1	38.4	35.6	44.1	60.3	73.0	64.5	49.3	42.6	42.3
70°	46.9	41.2	34.5	30.7	31.7	37.4	43.0	36.0	25.0	20.4	20.1
72.5°	38.4	33.8	29.3	26.1	24.0	22.9	22.2	18.0	11.6	8.8	8.5
75°	28.5	24.3	20.8	16.9	14.5	13.4	12.0	8.8	4.9	2.8	2.5
77.5°	6.3	6.0	5.6	4.2	3.9	3.2	2.5	1.8	0.7	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)