

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: P635854

Luminaire Tested: GWS-SA3E-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18142.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

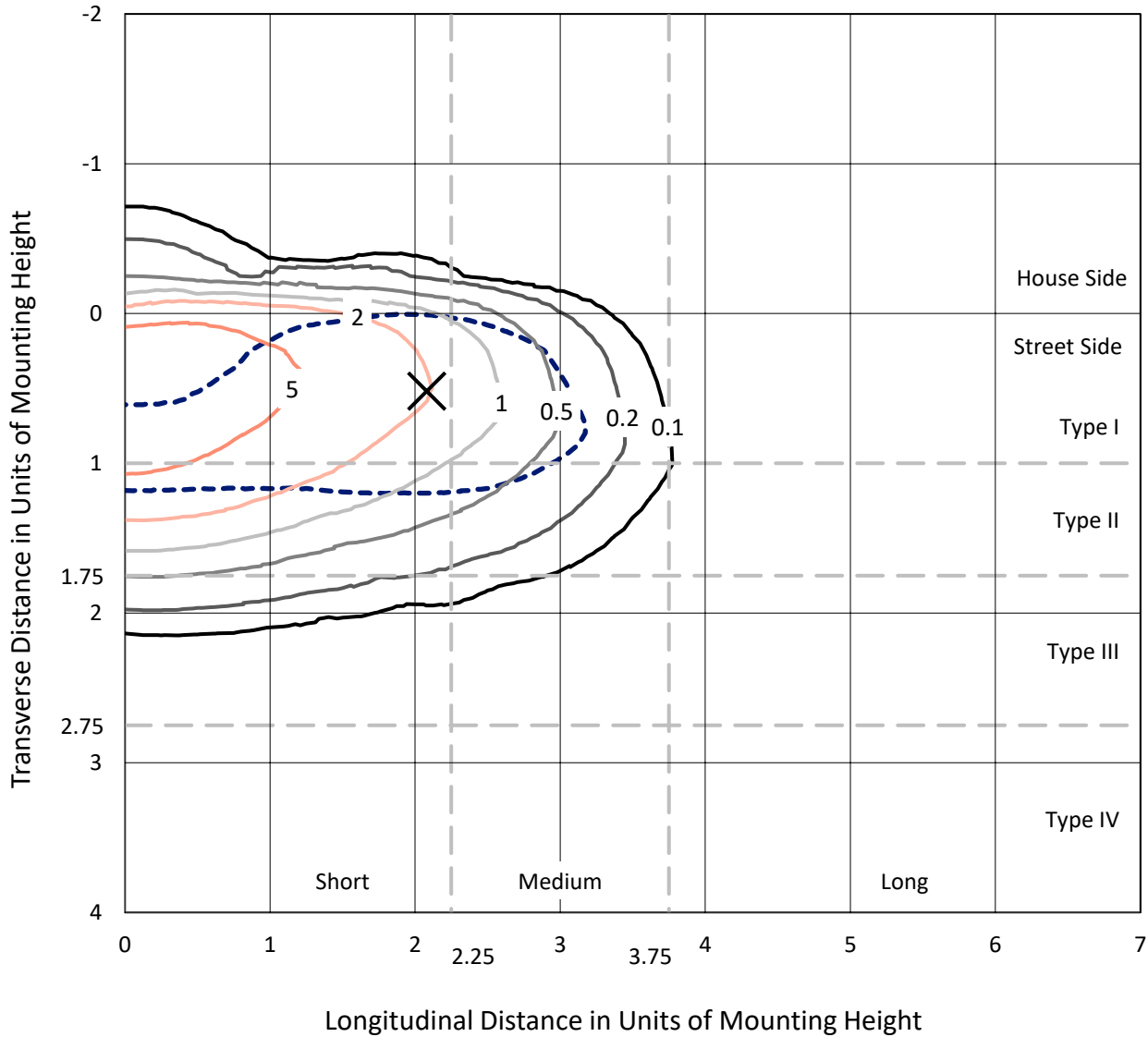
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

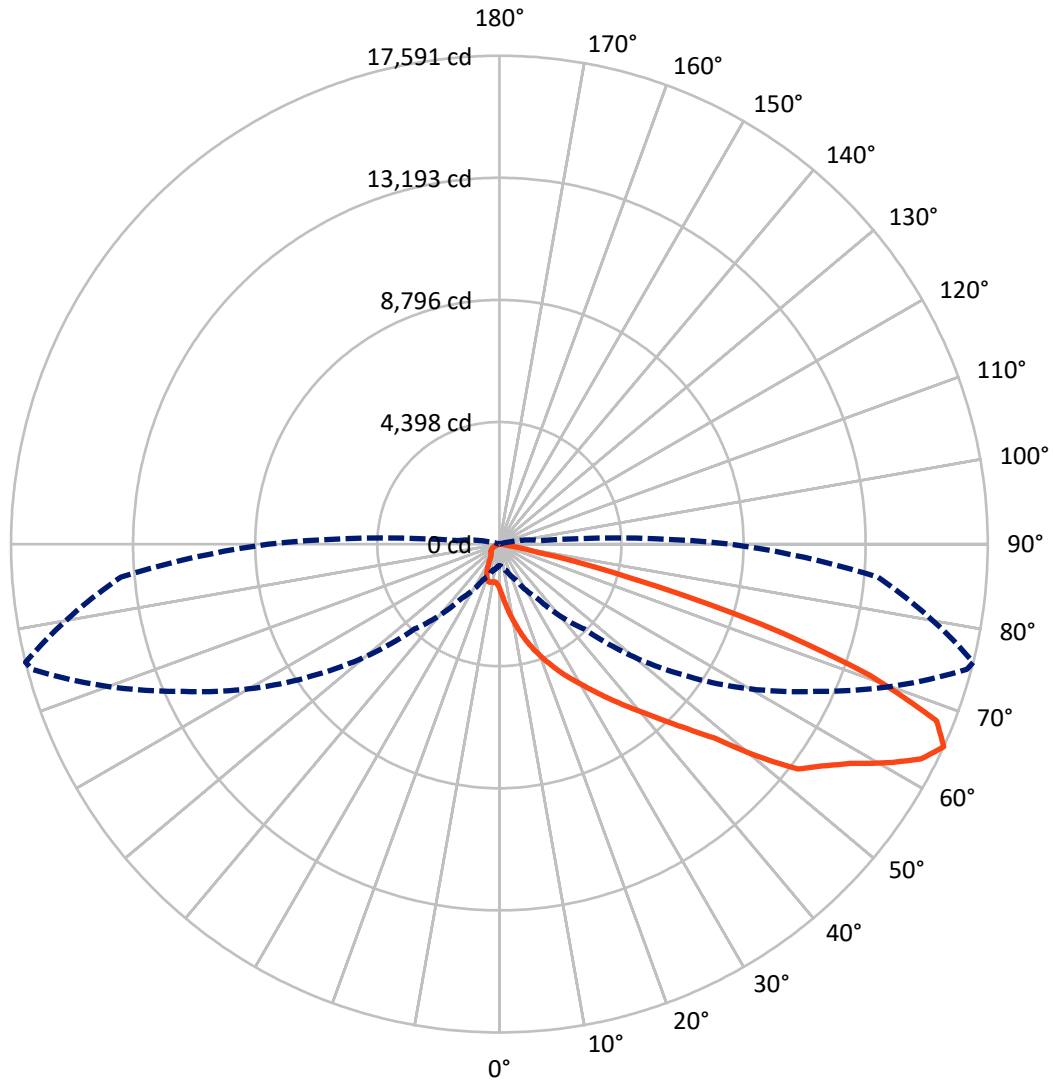
✕ Max cd
 - - - 1/2 Max cd



Based on 25 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 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1003.2	0.0	1003.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	17139.0	0.0	17139.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	18142.2	0.0	18142.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	1.1
10°-20°	741.5	4.1
20°-30°	1512.7	8.3
30°-40°	2690.4	14.8
40°-50°	3977.1	21.9
50°-60°	4553.4	25.1
60°-70°	3474.1	19.1
70°-80°	973.2	5.4
80°-90°	24.5	0.1
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°	18142.2	100.0
0°-180°	18142.2	100.0

Coefficient of Utilization



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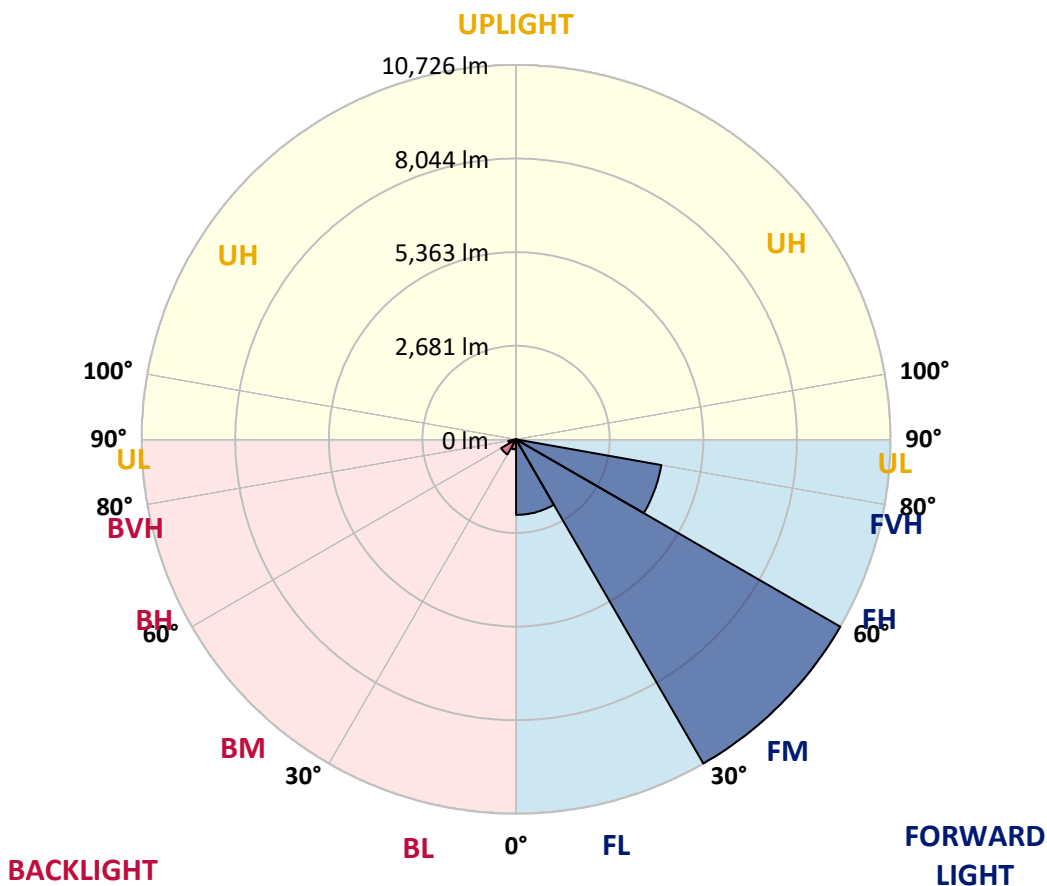
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2163.3	11.9			
FM (30°-60°)	10726.0	59.1			
FH (60°-80°)	4226.7	23.3			G2/5000
FVH (80°-90°)	23.1	0.1			G1/100
BL (0°-30°)	286.3	1.6	B1/500		
BM (30°-60°)	494.9	2.7	B1/1000		
BH (60°-80°)	220.5	1.2	B1/500		G1/500
BVH (80°-90°)	1.4	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2
2.5°	2475.5	2512.6	2483.6	2435.2	2341.6	2251.3	2135.2	1975.6	1848.2	1832.0	1712.7
5°	3343.1	3339.9	3277.0	3214.1	3115.7	2960.9	2727.1	2430.3	2144.9	2120.7	1853.0
7.5°	3859.2	3864.0	3828.5	3780.2	3683.4	3523.7	3280.2	2922.2	2504.5	2456.1	2044.9
10°	4293.0	4291.4	4265.6	4243.0	4155.9	4049.5	3788.2	3394.7	2891.6	2815.8	2259.4
12.5°	4618.8	4630.1	4643.0	4665.5	4628.4	4523.6	4276.9	3847.9	3283.5	3199.6	2504.5
15°	4876.8	4880.0	4928.4	5015.5	5046.1	4991.3	4767.1	4286.5	3670.5	3597.9	2786.7
17.5°	4954.2	4960.7	5042.9	5202.6	5363.8	5394.5	5225.1	4728.4	4051.1	3973.7	3060.9
20°	5117.1	5131.6	5192.9	5333.2	5536.4	5700.9	5634.8	5175.1	4431.7	4330.1	3341.5
22.5°	5629.9	5638.0	5617.0	5634.8	5739.6	5929.9	5970.2	5607.3	4822.0	4713.9	3644.7
25°	6512.1	6515.3	6368.5	6229.8	6150.8	6186.3	6275.0	6005.7	5209.0	5102.6	3926.9
27.5°	7428.1	7439.4	7263.6	7028.1	6745.9	6584.6	6558.8	6370.2	5599.3	5481.6	4205.9
30°	8290.9	8290.9	8105.4	7818.4	7441.0	7126.5	6941.0	6737.8	6017.0	5888.0	4491.4
32.5°	9066.6	9060.1	8823.1	8511.8	8139.3	7794.2	7403.9	7121.7	6481.4	6337.9	4820.4
35°	9706.8	9690.7	9421.4	9123.0	8724.7	8468.3	8032.8	7534.5	6984.6	6841.1	5159.0
37.5°	10190.6	10172.9	9926.2	9610.1	9240.8	9074.6	8710.2	8029.6	7515.2	7384.5	5534.8
40°	10453.5	10418.0	10247.1	10011.6	9702.0	9556.8	9405.3	8644.1	8139.3	7976.4	5978.3
42.5°	10530.9	10489.0	10376.1	10266.4	10079.4	9964.9	10127.7	9337.5	8824.7	8684.4	6484.7
45°	10301.9	10277.7	10268.0	10347.1	10380.9	10413.2	10814.7	10105.2	9581.0	9474.6	7121.7
47.5°	9750.4	9743.9	9829.4	10158.4	10516.4	10856.7	11561.4	11051.8	10561.6	10447.1	8011.9
50°	8731.1	8797.3	9035.9	9613.3	10329.3	11108.3	12259.7	12364.5	12148.4	11980.7	9173.0
52.5°	7137.8	7265.2	7800.6	8677.9	9706.8	11037.3	12582.3	13416.0	13637.0	13462.8	10005.2
55°	5600.9	5720.2	6197.6	7310.4	8682.8	10497.0	12596.8	13778.9	14261.1	14099.8	10568.0
57.5°	4172.0	4281.7	4715.5	5779.9	7289.4	9434.3	12251.7	13980.5	15001.3	14898.1	11456.6
60°	2727.1	2835.1	3227.0	4157.5	5654.1	7886.1	11401.8	13938.5	16009.2	15999.6	12548.4
62.5°	1512.7	1598.2	1882.0	2607.7	3946.3	6107.3	10066.5	13517.6	16984.9	17046.2	13448.3
65°	774.1	828.9	1001.5	1433.7	2388.4	4330.1	8310.2	12553.2	17436.5	17591.3	13685.3
67.5°	506.4	524.1	566.1	745.1	1278.9	2723.8	6254.0	11006.7	16801.1	16981.7	12890.3
70°	411.2	425.8	449.9	496.7	659.6	1446.6	4107.5	8790.8	14038.5	14161.1	10264.8
72.5°	301.6	320.9	367.7	398.3	475.7	793.4	2136.8	5770.2	9640.7	9856.8	6450.8
75°	222.6	233.8	272.5	314.5	388.7	501.5	817.6	3033.5	4978.4	4852.6	2709.3
77.5°	133.9	141.9	174.2	201.6	277.4	312.9	285.4	1120.8	1514.3	1424.0	654.8
80°	66.1	74.2	114.5	151.6	177.4	125.8	119.3	312.9	337.1	337.1	164.5
82.5°	22.6	29.0	61.3	100.0	87.1	48.4	56.4	80.6	90.3	95.1	48.4
85°	0.0	0.0	14.5	29.0	12.9	6.5	14.5	17.7	22.6	24.2	16.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.5	6.5
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°	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2	1606.2
2.5°	1648.2	1572.4	1457.9	1354.7	1275.6	1201.5	1145.0	1099.9	1091.8	1066.0	1069.2
5°	1722.4	1585.3	1374.0	1211.1	1096.6	1019.2	954.7	906.3	885.4	864.4	848.3
7.5°	1836.9	1638.5	1341.8	1143.4	1009.5	890.2	790.2	709.6	670.9	646.7	630.6
10°	1977.2	1712.7	1343.4	1103.1	904.7	722.5	585.4	496.7	454.8	441.9	440.3
12.5°	2144.9	1806.2	1356.3	1037.0	753.1	537.0	433.8	393.5	380.6	369.3	369.3
15°	2322.3	1911.0	1356.3	916.0	574.1	419.3	375.8	350.0	333.8	327.4	324.2
17.5°	2509.4	2009.4	1324.0	749.9	440.3	369.3	333.8	309.6	296.7	287.1	283.8
20°	2709.3	2103.0	1243.4	574.1	377.4	330.6	296.7	272.5	259.6	250.0	250.0
22.5°	2912.5	2190.0	1112.8	441.9	333.8	293.5	261.3	238.7	225.8	216.1	216.1
25°	3101.2	2248.1	945.0	364.5	301.6	261.3	232.2	209.7	195.1	188.7	185.5
27.5°	3277.0	2285.2	759.6	320.9	270.9	233.8	203.2	182.2	170.9	166.1	162.9
30°	3459.2	2294.9	580.6	291.9	245.1	206.4	177.4	161.3	151.6	145.1	145.1
32.5°	3636.6	2283.6	443.5	267.7	222.6	182.2	158.0	143.5	135.5	130.6	129.0
35°	3817.3	2232.0	359.6	246.7	200.0	159.7	140.3	129.0	124.2	117.7	117.7
37.5°	4014.0	2162.6	312.9	225.8	177.4	143.5	125.8	117.7	111.3	106.4	104.8
40°	4259.1	2082.0	287.1	208.0	156.4	129.0	112.9	104.8	100.0	95.1	93.5
42.5°	4549.4	2003.0	274.2	188.7	140.3	114.5	101.6	91.9	87.1	80.6	79.0
45°	4960.7	1985.2	259.6	167.7	125.8	103.2	88.7	79.0	72.6	67.7	66.1
47.5°	5621.9	2035.2	235.5	145.1	111.3	90.3	75.8	67.7	59.7	54.8	51.6
50°	6278.2	2022.3	211.3	125.8	98.4	77.4	64.5	56.4	48.4	43.5	41.9
52.5°	6636.2	1961.0	188.7	111.3	85.5	66.1	54.8	45.2	40.3	35.5	33.9
55°	6960.4	1936.8	166.1	96.8	72.6	58.1	45.2	37.1	33.9	29.0	27.4
57.5°	7595.8	1993.3	146.8	83.9	62.9	50.0	38.7	30.6	27.4	22.6	21.0
60°	8260.2	1999.7	125.8	72.6	54.8	41.9	30.6	24.2	21.0	16.1	14.5
62.5°	8607.0	1836.9	103.2	61.3	45.2	35.5	25.8	19.4	16.1	9.7	9.7
65°	8316.7	1485.3	87.1	50.0	35.5	27.4	19.4	14.5	9.7	4.8	1.6
67.5°	7360.4	1056.3	72.6	40.3	25.8	19.4	14.5	9.7	1.6	0.0	0.0
70°	5389.6	603.1	56.4	29.0	19.4	12.9	9.7	4.8	0.0	0.0	0.0
72.5°	3312.5	322.5	41.9	19.4	14.5	9.7	8.1	3.2	0.0	0.0	0.0
75°	1256.3	154.8	25.8	12.9	11.3	8.1	4.8	1.6	0.0	0.0	0.0
77.5°	340.3	75.8	14.5	9.7	8.1	4.8	3.2	0.0	0.0	0.0	0.0
80°	88.7	35.5	9.7	6.5	4.8	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	30.6	16.1	4.8	4.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0
85°	12.9	6.5	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	1.6	1.6	1.6	1.6	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)