

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: P635300

Luminaire Tested: GWS-SA3D-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13182.1 lumens
Efficiency: N/A
Efficacy: 109.1 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

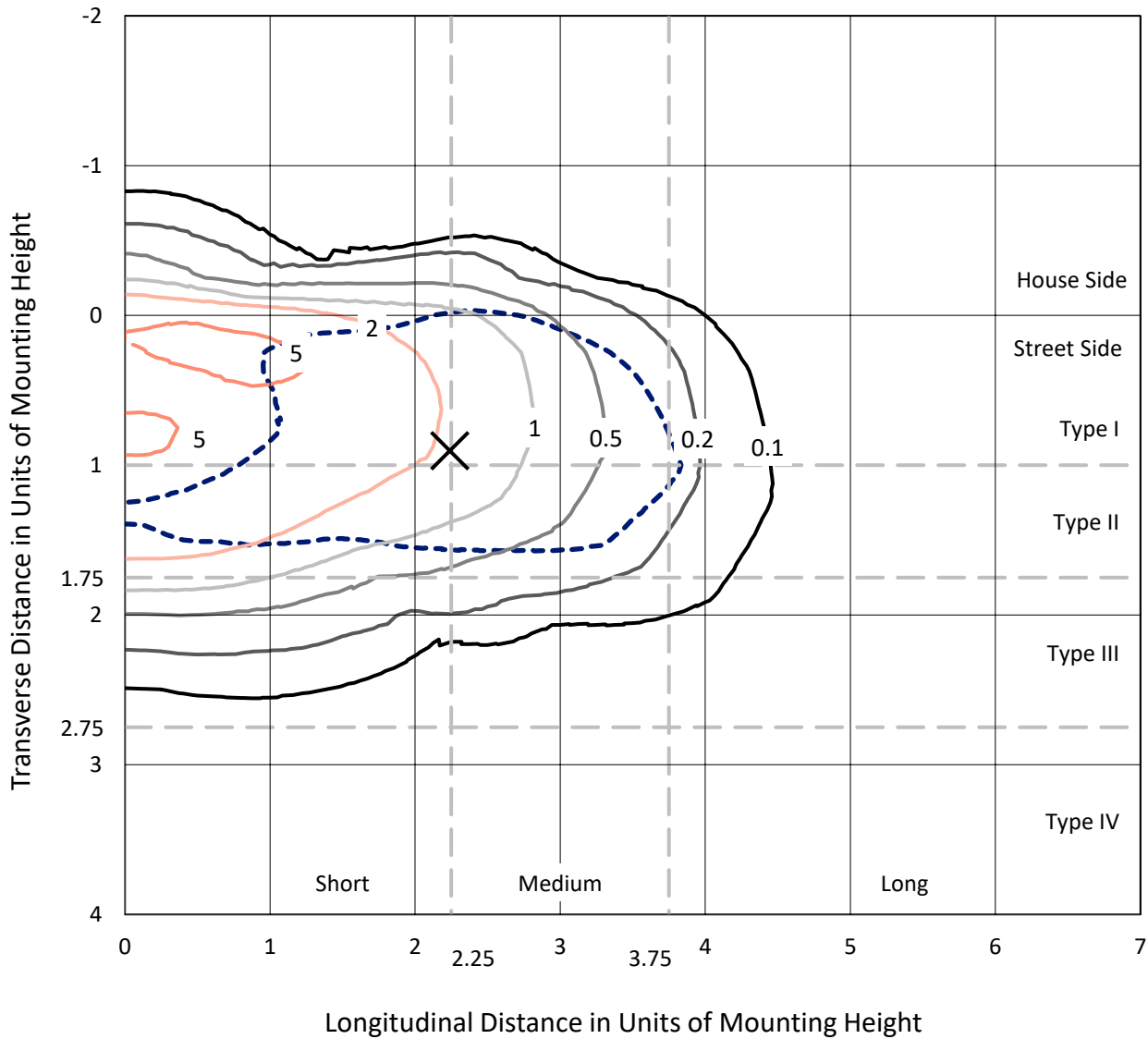
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

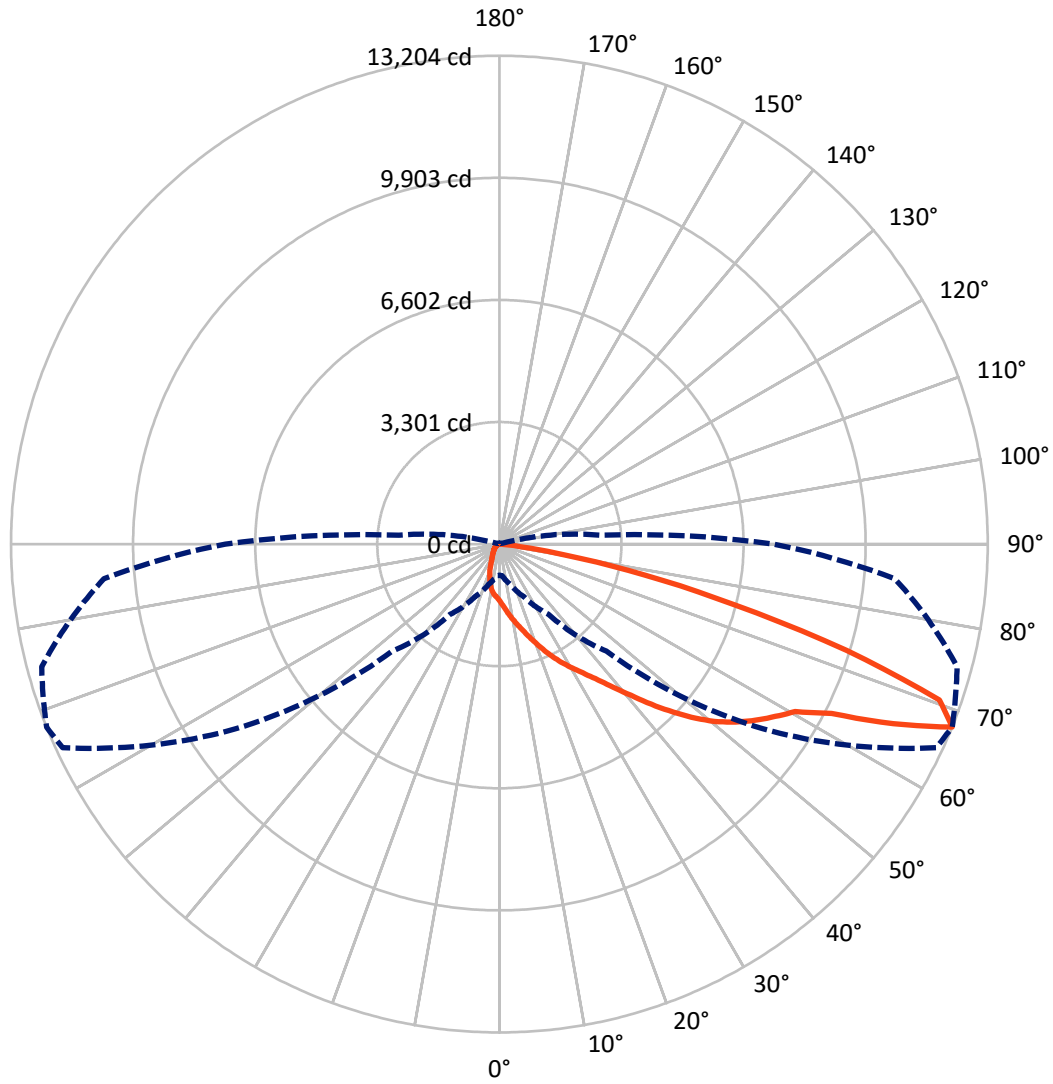
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	951.9	0.0	951.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	12230.2	0.0	12230.2
	% Fixture	92.8	0.0	92.8
Total	Lumens	13182.1	0.0	13182.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	1.1
10°-20°	429.7	3.3
20°-30°	738.4	5.6
30°-40°	1283.7	9.7
40°-50°	2240.0	17.0
50°-60°	3378.5	25.6
60°-70°	3387.7	25.7
70°-80°	1494.7	11.3
80°-90°	79.8	0.6
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°	13182.1	100.0
0°-180°	13182.1	100.0

Coefficient of Utilization



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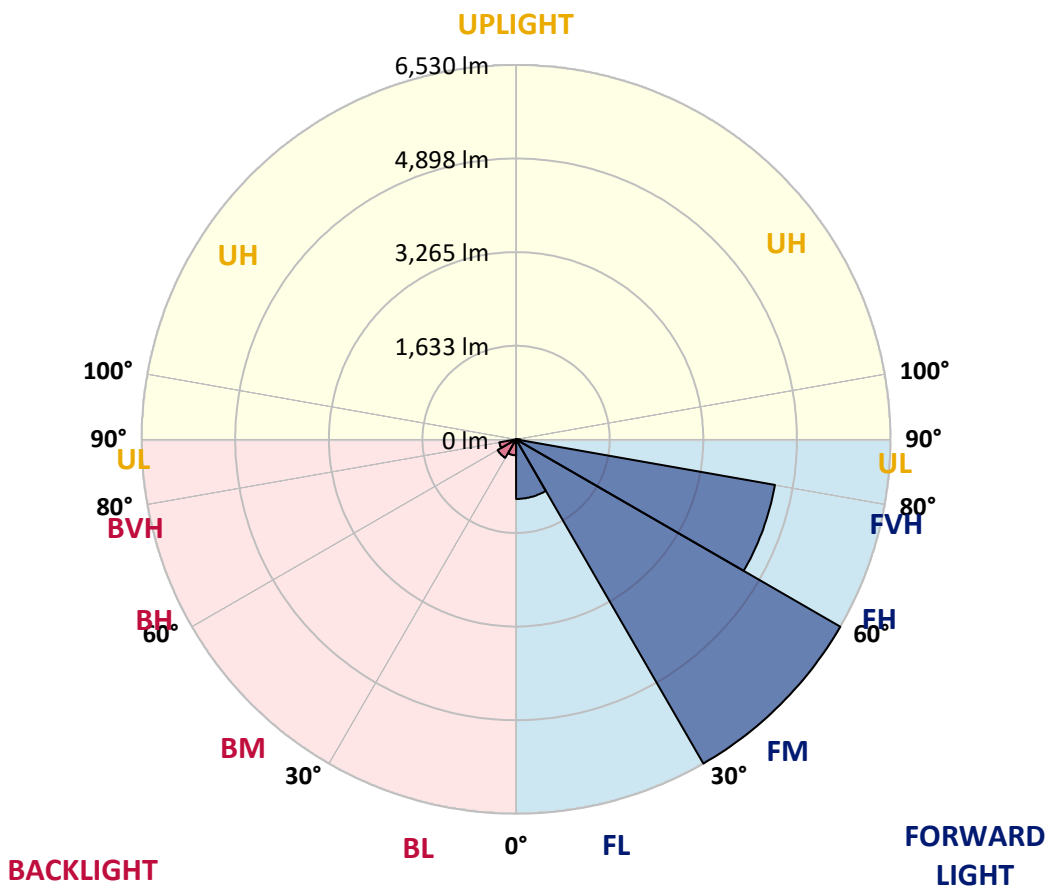
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1039.1	7.9			
FM (30°-60°)	6530.4	49.5			
FH (60°-80°)	4585.3	34.8			G2/5000
FVH (80°-90°)	75.3	0.6			G1/100
BL (0°-30°)	278.5	2.1	B1/500		
BM (30°-60°)	371.8	2.8	B1/1000		
BH (60°-80°)	297.1	2.3	B1/500		G1/500
BVH (80°-90°)	4.5	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°	68°	75°	85°
0°	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1
2.5°	1786.4	1797.7	1786.4	1788.9	1756.1	1741.0	1708.2	1662.7	1651.4	1622.4	1578.2
5°	2004.6	2014.7	2003.4	2000.8	1963.0	1935.2	1881.0	1802.8	1780.1	1723.3	1636.2
7.5°	2123.2	2129.5	2133.3	2139.6	2125.7	2103.0	2053.8	1956.7	1932.7	1840.6	1718.2
10°	2135.8	2140.9	2159.8	2197.6	2225.4	2239.3	2211.5	2121.9	2084.1	1994.5	1819.2
12.5°	2100.5	2108.1	2138.4	2201.4	2278.4	2349.0	2366.7	2288.5	2254.4	2139.6	1937.8
15°	2053.8	2060.1	2101.8	2187.6	2303.6	2433.6	2506.7	2472.7	2434.8	2315.0	2069.0
17.5°	1981.9	1990.7	2048.8	2164.8	2315.0	2500.4	2658.1	2669.5	2643.0	2513.0	2214.0
20°	1941.5	1947.9	1999.6	2119.4	2307.4	2549.6	2799.4	2906.6	2877.6	2741.4	2380.6
22.5°	1975.6	1980.7	2014.7	2108.1	2282.2	2577.4	2930.6	3143.8	3127.4	2986.1	2555.9
25°	2154.8	2171.2	2151.0	2167.4	2293.5	2592.5	3036.6	3381.0	3384.8	3242.2	2737.6
27.5°	2518.1	2496.6	2448.7	2366.7	2381.8	2632.9	3127.4	3604.3	3637.1	3492.0	2899.1
30°	2887.7	2875.1	2846.1	2718.7	2612.7	2722.5	3204.4	3832.6	3884.4	3738.0	3042.9
32.5°	3302.8	3315.4	3263.7	3111.0	2930.6	2904.1	3283.8	4049.6	4146.8	4016.8	3211.9
35°	3798.6	3802.4	3700.2	3531.1	3326.7	3204.4	3426.4	4289.3	4468.5	4372.6	3437.8
37.5°	4281.7	4304.5	4248.9	3982.8	3801.1	3577.8	3662.3	4597.1	4849.5	4811.6	3721.6
40°	4709.4	4744.7	4727.1	4469.7	4231.3	4043.3	4028.2	4957.9	5309.9	5352.8	4096.3
42.5°	5050.0	5072.7	5086.6	4903.7	4693.0	4587.0	4479.8	5376.8	5853.7	6029.0	4555.5
45°	5409.6	5417.2	5446.2	5322.5	5138.3	5147.2	5013.5	5885.2	6426.4	6778.4	5082.8
47.5°	5867.5	5892.8	5878.9	5748.9	5582.4	5682.1	5564.8	6408.7	6991.6	7578.2	5622.8
50°	6425.1	6451.6	6439.0	6287.6	6102.2	6143.8	6070.6	6917.2	7536.6	8332.6	6071.9
52.5°	6712.8	6734.2	6890.7	6958.8	6861.6	6596.7	6502.1	7476.0	7997.1	8953.3	6484.4
55°	6574.0	6589.1	6929.8	7217.4	7573.2	7308.2	6936.1	7907.5	8403.3	9437.8	6791.0
57.5°	5998.7	6080.7	6543.7	7030.7	7778.8	8010.9	7640.0	8376.8	8794.4	9774.6	7092.5
60°	4819.2	4815.4	5479.0	6353.2	7377.6	8203.9	8634.1	9011.3	9186.7	10033.2	7496.2
62.5°	2663.2	2687.1	3570.2	4722.0	6262.4	7704.4	9379.7	10107.6	10081.2	10484.9	8128.3
65°	1325.9	1373.8	1853.2	2704.8	4166.9	6367.1	9508.4	11780.5	11704.8	11548.4	9434.0
67.5°	841.5	860.4	1125.3	1571.9	2316.2	4092.5	8707.3	13028.2	13203.5	12809.9	10729.6
70°	545.0	576.5	782.2	1074.9	1397.8	2109.3	6378.5	12219.5	12621.9	12671.1	9922.2
72.5°	296.5	319.2	499.6	767.0	1009.3	1054.7	3582.8	9170.3	9817.5	10748.5	7762.4
75°	169.0	185.4	273.8	521.0	740.5	642.1	1588.3	6138.8	6551.3	7681.7	5562.2
77.5°	102.2	116.1	153.9	253.6	464.3	428.9	600.5	3736.8	3999.2	4583.3	2919.3
80°	46.7	55.5	97.1	140.0	253.6	203.1	229.6	1742.2	1799.0	1881.0	966.4
82.5°	21.4	25.2	44.2	83.3	143.8	117.3	88.3	402.4	566.4	536.2	246.0
85°	2.5	2.5	16.4	34.1	40.4	30.3	36.6	90.8	114.8	161.5	70.6
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	7.6	11.4	16.4	26.5	17.7
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°	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1	1534.1
2.5°	1558.0	1522.7	1491.2	1444.5	1413.0	1377.6	1353.7	1324.6	1313.3	1304.5	1291.8
5°	1593.4	1536.6	1459.6	1373.8	1303.2	1236.3	1174.5	1134.1	1098.8	1093.8	1076.1
7.5°	1651.4	1566.9	1436.9	1296.9	1177.0	1066.0	979.0	908.3	873.0	861.6	841.5
10°	1728.3	1612.3	1402.9	1188.4	1015.6	883.1	784.7	705.2	649.7	629.5	614.4
12.5°	1814.1	1653.9	1348.6	1054.7	857.9	706.5	581.6	497.1	461.7	449.1	437.8
15°	1912.5	1693.0	1262.8	920.9	704.0	519.8	431.5	394.9	379.7	375.9	372.2
17.5°	2007.1	1718.2	1160.6	782.2	541.2	403.7	362.1	348.2	344.4	340.6	338.1
20°	2114.4	1735.9	1040.8	651.0	420.1	341.9	321.7	311.6	304.0	296.5	295.2
22.5°	2224.1	1735.9	910.8	522.3	352.0	306.6	283.9	264.9	251.1	243.5	241.0
25°	2328.8	1711.9	782.2	417.6	310.3	272.5	243.5	222.0	203.1	194.3	191.8
27.5°	2403.3	1650.1	669.9	353.2	281.3	242.2	206.9	182.9	167.8	159.0	157.7
30°	2450.0	1558.0	566.4	315.4	256.1	210.7	175.4	155.2	143.8	137.5	135.0
32.5°	2485.3	1444.5	474.3	288.9	232.1	182.9	152.6	136.2	126.2	121.1	119.8
35°	2555.9	1337.3	406.2	264.9	206.9	160.2	133.7	121.1	113.5	107.2	106.0
37.5°	2654.3	1247.7	352.0	243.5	182.9	142.6	121.1	109.8	103.4	97.1	95.9
40°	2799.4	1190.9	311.6	222.0	161.5	128.7	111.0	100.9	92.1	85.8	84.5
42.5°	3022.7	1164.4	285.1	200.6	142.6	116.1	102.2	89.6	80.7	74.4	73.2
45°	3288.9	1178.3	262.4	179.1	129.9	107.2	90.8	78.2	69.4	63.1	61.8
47.5°	3574.0	1227.5	243.5	159.0	117.3	98.4	80.7	66.9	59.3	53.0	51.7
50°	3871.7	1308.2	227.1	140.0	107.2	88.3	69.4	58.0	50.5	45.4	44.2
52.5°	4130.4	1418.0	210.7	126.2	98.4	78.2	60.6	50.5	42.9	37.8	36.6
55°	4377.6	1521.4	198.1	113.5	88.3	68.1	53.0	42.9	36.6	31.5	30.3
57.5°	4646.3	1631.2	182.9	102.2	79.5	60.6	46.7	36.6	31.5	26.5	25.2
60°	5037.4	1793.9	160.2	93.4	69.4	53.0	40.4	32.8	27.8	21.4	20.2
62.5°	5601.3	2090.4	135.0	80.7	59.3	45.4	34.1	27.8	22.7	17.7	15.1
65°	6656.0	2595.0	111.0	66.9	47.9	37.8	29.0	22.7	17.7	12.6	11.4
67.5°	7415.5	2726.2	89.6	54.2	39.1	29.0	24.0	17.7	12.6	8.8	7.6
70°	6483.2	1957.9	69.4	44.2	32.8	22.7	18.9	13.9	8.8	6.3	5.0
72.5°	4884.8	1279.2	51.7	34.1	25.2	18.9	13.9	11.4	7.6	5.0	3.8
75°	3442.8	739.3	37.8	25.2	17.7	13.9	11.4	8.8	6.3	3.8	3.8
77.5°	1764.9	305.3	26.5	17.7	12.6	8.8	7.6	5.0	5.0	3.8	2.5
80°	536.2	100.9	15.1	11.4	8.8	6.3	3.8	3.8	3.8	2.5	1.3
82.5°	122.4	32.8	8.8	8.8	6.3	5.0	3.8	1.3	1.3	0.0	0.0
85°	31.5	10.1	7.6	6.3	6.3	5.0	2.5	1.3	0.0	0.0	0.0
87.5°	11.4	6.3	6.3	6.3	5.0	3.8	2.5	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)