

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: P635410

Luminaire Tested: GWS-SA3D-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635410
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13299.3 lumens
Efficiency: N/A
Efficacy: 110.1 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

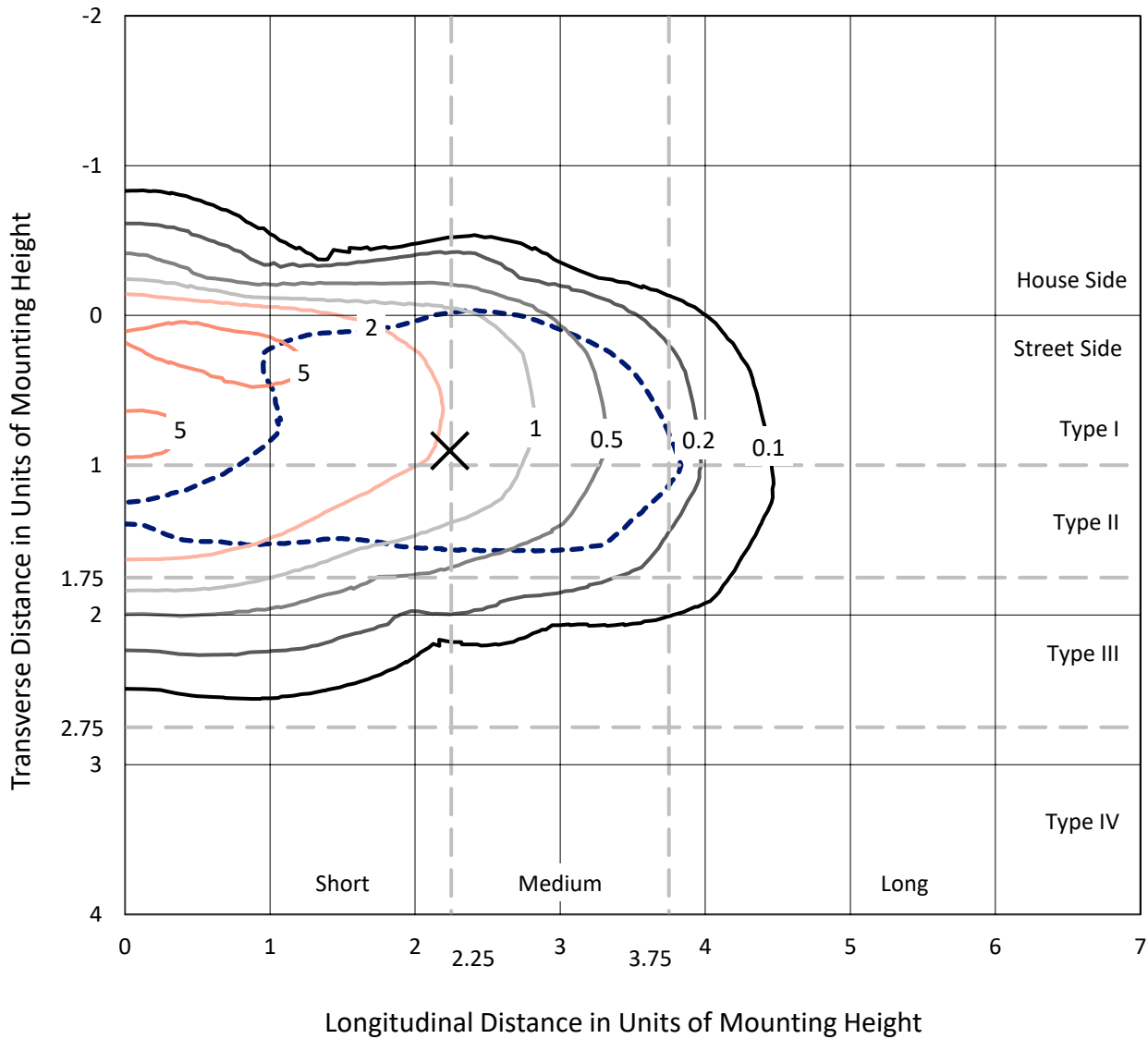
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

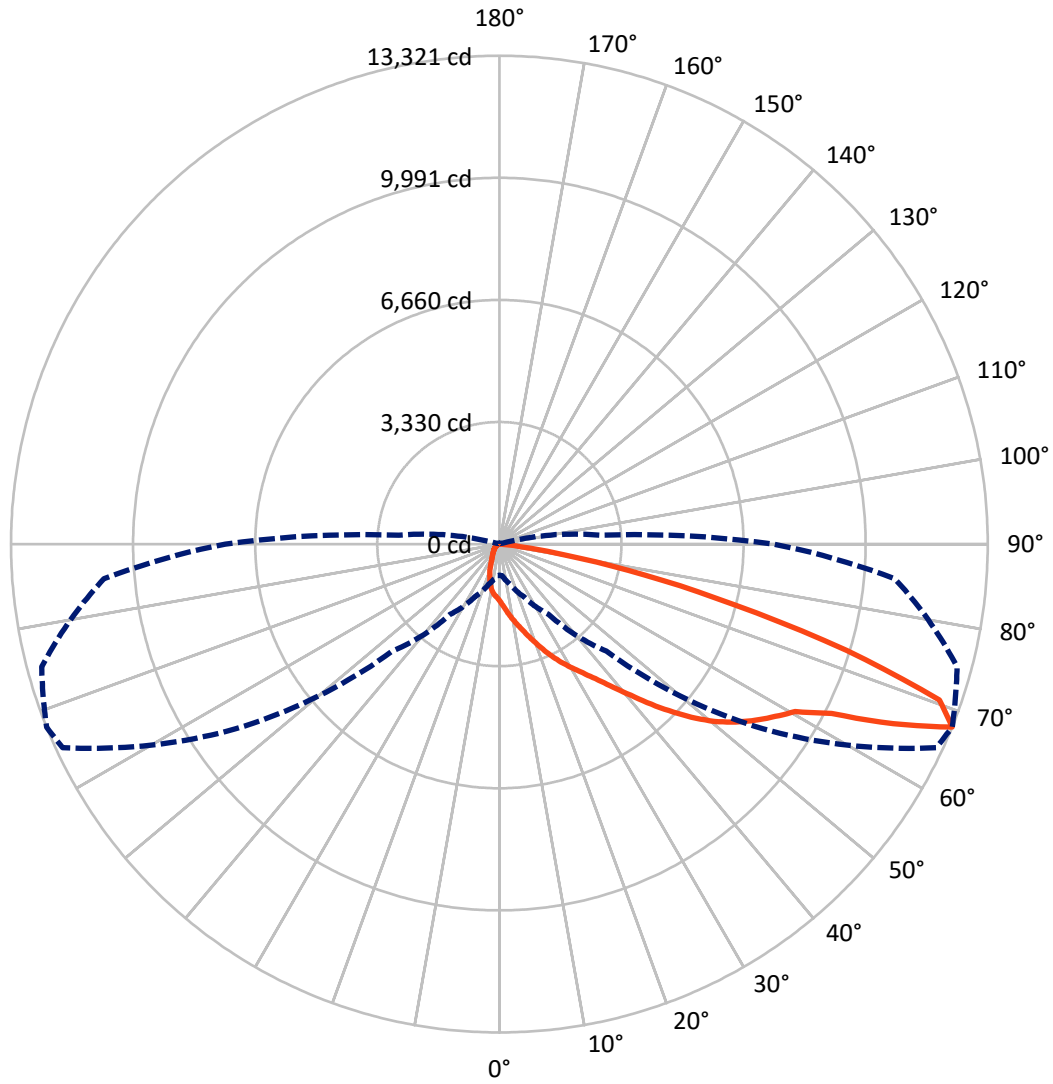
✕ Max cd
 - - - 1/2 Max cd



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	960.4	0.0	960.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	12338.9	0.0	12338.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	13299.3	0.0	13299.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	1.1
10°-20°	433.5	3.3
20°-30°	744.9	5.6
30°-40°	1295.2	9.7
40°-50°	2259.9	17.0
50°-60°	3408.5	25.6
60°-70°	3417.9	25.7
70°-80°	1507.9	11.3
80°-90°	80.6	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°	13299.3	100.0
0°-180°	13299.3	100.0

Coefficient of Utilization



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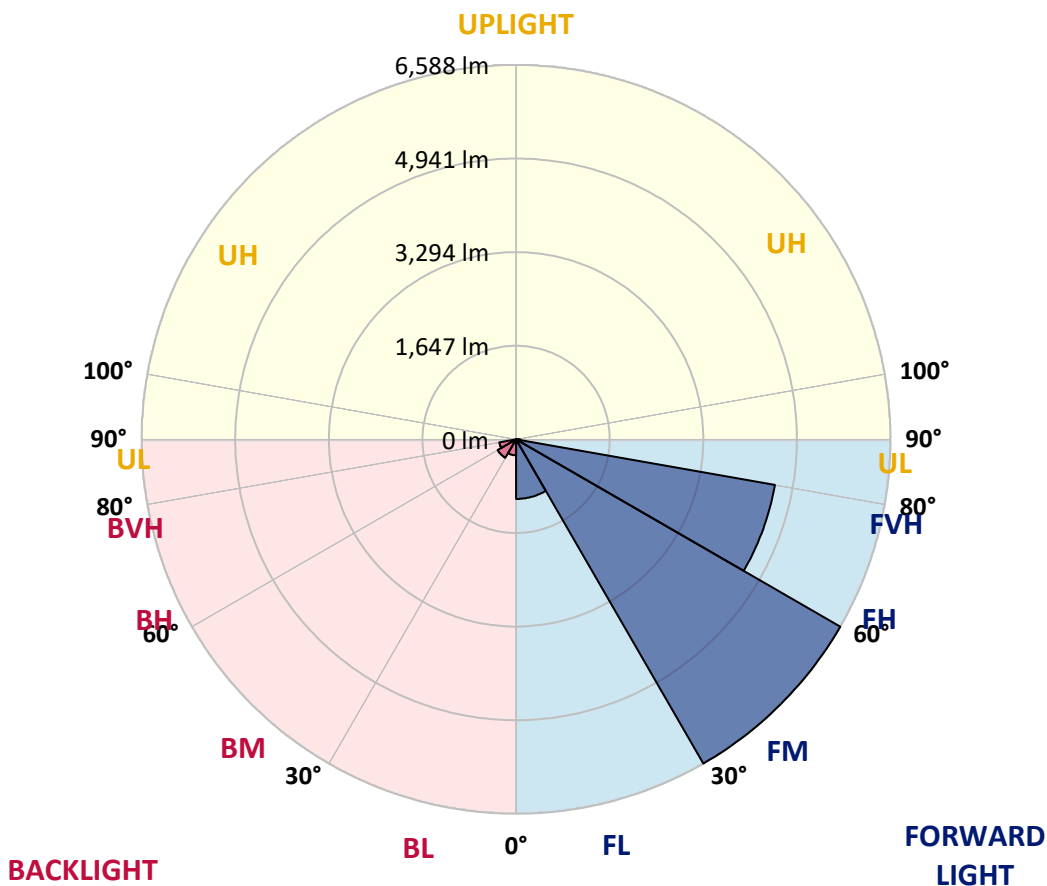
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.4	7.9			
FM (30°-60°)	6588.4	49.5			
FH (60°-80°)	4626.1	34.8			G2/5000
FVH (80°-90°)	76.0	0.6			G1/100
BL (0°-30°)	281.0	2.1	B1/500		
BM (30°-60°)	375.1	2.8	B1/1000		
BH (60°-80°)	299.7	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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°	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7
2.5°	1802.3	1813.7	1802.3	1804.8	1771.7	1756.4	1723.3	1677.5	1666.1	1636.8	1592.2
5°	2022.4	2032.6	2021.2	2018.6	1980.4	1952.4	1897.7	1818.8	1795.9	1738.6	1650.8
7.5°	2142.1	2148.5	2152.3	2158.6	2144.6	2121.7	2072.1	1974.1	1949.9	1857.0	1733.5
10°	2154.8	2159.9	2179.0	2217.2	2245.2	2259.2	2231.2	2140.8	2102.6	2012.3	1835.3
12.5°	2119.2	2126.8	2157.4	2221.0	2298.6	2369.9	2387.7	2308.8	2274.5	2158.6	1955.0
15°	2072.1	2078.4	2120.5	2207.0	2324.1	2455.2	2529.0	2494.6	2456.5	2335.6	2087.4
17.5°	1999.5	2008.4	2067.0	2184.1	2335.6	2522.6	2681.7	2693.2	2666.5	2535.4	2233.7
20°	1958.8	1965.2	2017.4	2138.3	2327.9	2572.3	2824.3	2932.5	2903.2	2765.8	2401.7
22.5°	1993.2	1998.3	2032.6	2126.8	2302.5	2600.3	2956.7	3171.8	3155.2	3012.7	2578.7
25°	2173.9	2190.5	2170.1	2186.6	2313.9	2615.6	3063.6	3411.1	3414.9	3271.0	2761.9
27.5°	2540.5	2518.8	2470.5	2387.7	2403.0	2656.3	3155.2	3636.3	3669.4	3523.1	2924.8
30°	2913.4	2900.7	2871.4	2742.8	2635.9	2746.7	3232.9	3866.7	3918.9	3771.2	3069.9
32.5°	3332.1	3344.9	3292.7	3138.7	2956.7	2929.9	3313.0	4085.6	4183.6	4052.5	3240.5
35°	3832.3	3836.2	3733.1	3562.5	3356.3	3232.9	3456.9	4327.5	4508.2	4411.5	3468.3
37.5°	4319.8	4342.7	4286.7	4018.2	3834.9	3609.6	3694.9	4638.0	4892.6	4854.4	3754.7
40°	4751.3	4786.9	4769.1	4509.5	4268.9	4079.3	4064.0	5002.0	5357.1	5400.4	4132.7
42.5°	5094.9	5117.8	5131.8	4947.3	4734.7	4627.8	4519.6	5424.6	5905.7	6082.6	4596.0
45°	5457.7	5465.3	5494.6	5369.9	5184.0	5192.9	5058.0	5937.5	6483.5	6838.6	5128.0
47.5°	5919.7	5945.2	5931.2	5800.1	5632.1	5732.6	5614.2	6465.7	7053.7	7645.6	5672.8
50°	6482.3	6509.0	6496.3	6343.5	6156.4	6198.4	6124.6	6978.7	7603.6	8406.7	6125.9
52.5°	6772.5	6794.1	6951.9	7020.7	6922.6	6655.4	6559.9	7542.5	8068.2	9032.9	6542.1
55°	6632.5	6647.7	6991.4	7281.6	7640.5	7373.2	6997.7	7977.8	8478.0	9521.7	6851.4
57.5°	6052.1	6134.8	6601.9	7093.2	7848.0	8082.2	7708.0	8451.3	8872.5	9861.5	7155.6
60°	4862.0	4858.2	5527.7	6409.7	7443.2	8276.9	8710.9	9091.5	9268.4	10122.4	7562.9
62.5°	2686.8	2711.0	3602.0	4764.0	6318.1	7772.9	9463.1	10197.5	10170.8	10578.1	8200.5
65°	1337.7	1386.1	1869.7	2728.8	4204.0	6423.7	9592.9	11885.2	11808.9	11651.0	9517.8
67.5°	848.9	868.0	1135.3	1585.9	2336.8	4128.9	8784.7	13144.0	13320.9	12923.8	10825.0
70°	549.8	581.7	789.1	1084.4	1410.2	2128.1	6435.2	12328.1	12734.2	12783.8	10010.4
72.5°	299.1	322.0	504.0	773.9	1018.2	1064.0	3614.7	9251.8	9904.8	10844.1	7831.4
75°	170.6	187.1	276.2	525.7	747.1	647.8	1602.4	6193.3	6609.5	7750.0	5611.7
77.5°	103.1	117.1	155.3	255.8	468.4	432.7	605.8	3770.0	4034.7	4624.0	2945.2
80°	47.1	56.0	98.0	141.3	255.8	204.9	231.6	1757.7	1815.0	1897.7	974.9
82.5°	21.6	25.5	44.5	84.0	145.1	118.4	89.1	406.0	571.5	540.9	248.2
85°	2.5	2.5	16.5	34.4	40.7	30.5	36.9	91.6	115.8	162.9	71.3
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	7.6	11.5	16.5	26.7	17.8
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°	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7	1547.7
2.5°	1571.9	1536.2	1504.4	1457.3	1425.5	1389.9	1365.7	1336.4	1325.0	1316.1	1303.3
5°	1607.5	1550.2	1472.6	1386.1	1314.8	1247.3	1185.0	1144.2	1108.6	1103.5	1085.7
7.5°	1666.1	1580.8	1449.7	1308.4	1187.5	1075.5	987.7	916.4	880.8	869.3	848.9
10°	1743.7	1626.6	1415.3	1199.0	1024.6	890.9	791.7	711.5	655.5	635.1	619.8
12.5°	1830.3	1668.6	1360.6	1064.0	865.5	712.8	586.8	501.5	465.8	453.1	441.7
15°	1929.5	1708.1	1274.1	929.1	710.2	524.4	435.3	398.4	383.1	379.3	375.5
17.5°	2025.0	1733.5	1171.0	789.1	546.0	407.3	365.3	351.3	347.5	343.7	341.1
20°	2133.2	1751.3	1050.0	656.8	423.8	344.9	324.6	314.4	306.7	299.1	297.8
22.5°	2243.9	1751.3	918.9	526.9	355.1	309.3	286.4	267.3	253.3	245.6	243.1
25°	2349.6	1727.2	789.1	421.3	313.1	274.9	245.6	224.0	204.9	196.0	193.5
27.5°	2424.6	1664.8	675.8	356.4	283.8	244.4	208.7	184.6	169.3	160.4	159.1
30°	2471.7	1571.9	571.5	318.2	258.4	212.6	176.9	156.6	145.1	138.7	136.2
32.5°	2507.4	1457.3	478.6	291.5	234.2	184.6	154.0	137.5	127.3	122.2	120.9
35°	2578.7	1349.1	409.8	267.3	208.7	161.6	134.9	122.2	114.6	108.2	106.9
37.5°	2677.9	1258.8	355.1	245.6	184.6	143.8	122.2	110.7	104.4	98.0	96.7
40°	2824.3	1201.5	314.4	224.0	162.9	129.8	112.0	101.8	92.9	86.5	85.3
42.5°	3049.6	1174.8	287.6	202.4	143.8	117.1	103.1	90.4	81.5	75.1	73.8
45°	3318.1	1188.8	264.7	180.7	131.1	108.2	91.6	78.9	70.0	63.6	62.4
47.5°	3605.8	1238.4	245.6	160.4	118.4	99.3	81.5	67.5	59.8	53.5	52.2
50°	3906.2	1319.9	229.1	141.3	108.2	89.1	70.0	58.5	50.9	45.8	44.5
52.5°	4167.1	1430.6	212.6	127.3	99.3	78.9	61.1	50.9	43.3	38.2	36.9
55°	4416.5	1535.0	199.8	114.6	89.1	68.7	53.5	43.3	36.9	31.8	30.5
57.5°	4687.6	1645.7	184.6	103.1	80.2	61.1	47.1	36.9	31.8	26.7	25.5
60°	5082.2	1809.9	161.6	94.2	70.0	53.5	40.7	33.1	28.0	21.6	20.4
62.5°	5651.1	2109.0	136.2	81.5	59.8	45.8	34.4	28.0	22.9	17.8	15.3
65°	6715.2	2618.1	112.0	67.5	48.4	38.2	29.3	22.9	17.8	12.7	11.5
67.5°	7481.4	2750.5	90.4	54.7	39.5	29.3	24.2	17.8	12.7	8.9	7.6
70°	6540.8	1975.4	70.0	44.5	33.1	22.9	19.1	14.0	8.9	6.4	5.1
72.5°	4928.2	1290.6	52.2	34.4	25.5	19.1	14.0	11.5	7.6	5.1	3.8
75°	3473.4	745.8	38.2	25.5	17.8	14.0	11.5	8.9	6.4	3.8	3.8
77.5°	1780.6	308.0	26.7	17.8	12.7	8.9	7.6	5.1	5.1	3.8	2.5
80°	540.9	101.8	15.3	11.5	8.9	6.4	3.8	3.8	3.8	2.5	1.3
82.5°	123.5	33.1	8.9	8.9	6.4	5.1	3.8	1.3	1.3	0.0	0.0
85°	31.8	10.2	7.6	6.4	6.4	5.1	2.5	1.3	0.0	0.0	0.0
87.5°	11.5	6.4	6.4	6.4	5.1	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)