

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: P637838

Luminaire Tested: GWS-SA4D-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18390.5 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

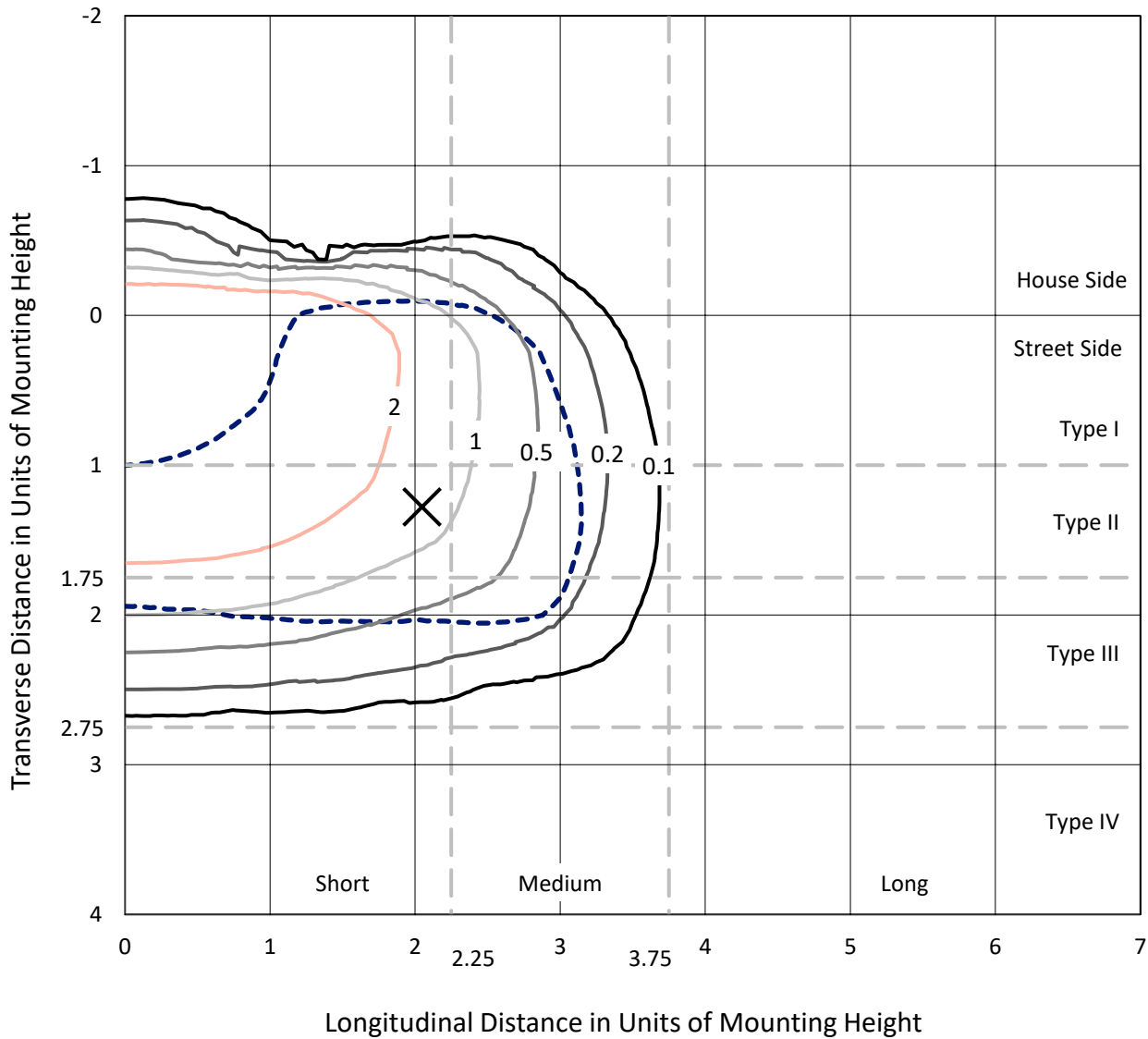
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637838
 CATALOG NUMBER: GWS-SA4D-750-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

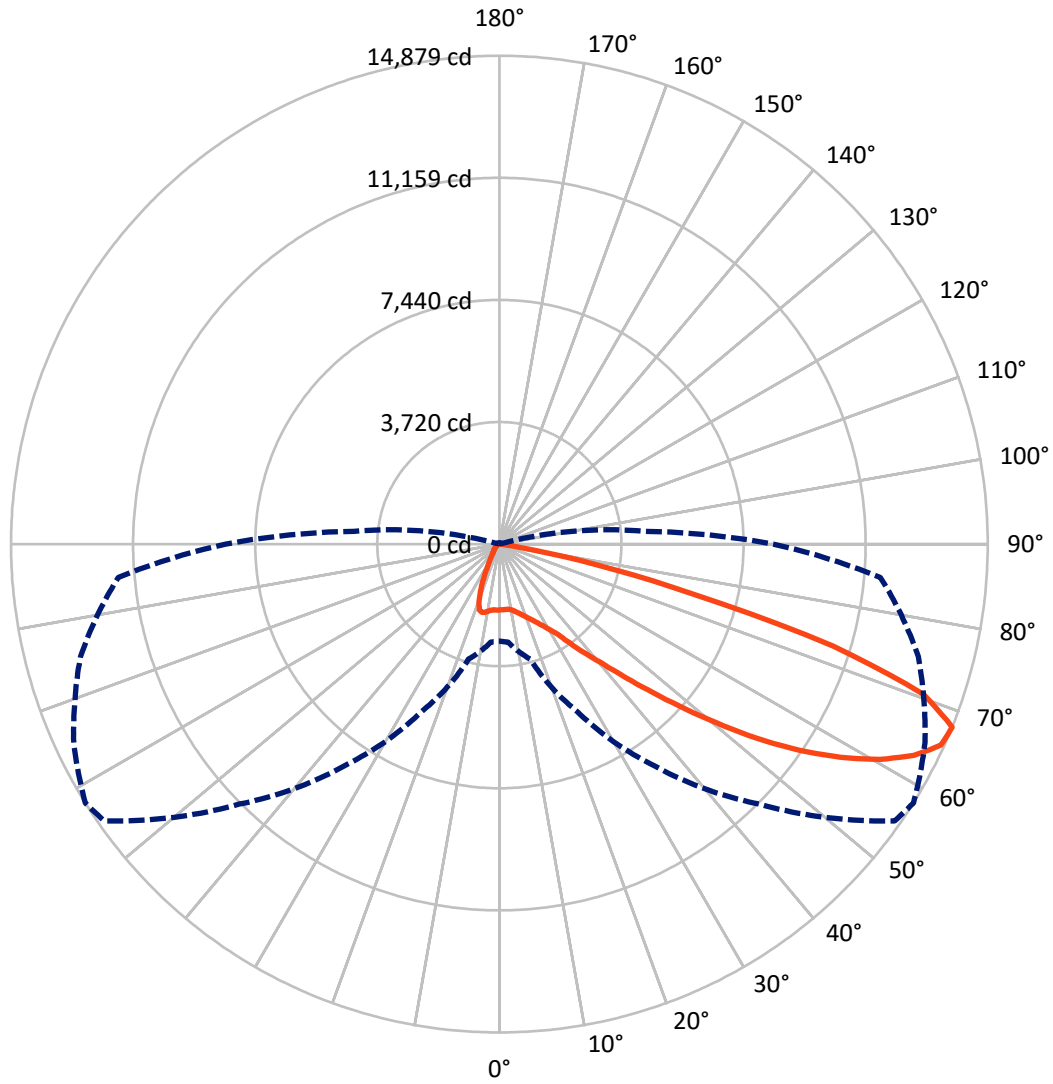
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

REPORT NUMBER: P637838
CATALOG NUMBER: GWS-SA4D-750-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P637838

CATALOG NUMBER: GWS-SA4D-750-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2006.4	0.0	2006.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	16384.1	0.0	16384.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	18390.5	0.0	18390.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	1.0
10°-20°	528.6	2.9
20°-30°	922.6	5.0
30°-40°	1647.7	9.0
40°-50°	3011.6	16.4
50°-60°	5008.7	27.2
60°-70°	5440.3	29.6
70°-80°	1597.3	8.7
80°-90°	45.5	0.2
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°	18390.5	100.0
0°-180°	18390.5	100.0

Coefficient of Utilization



REPORT NUMBER: P637838

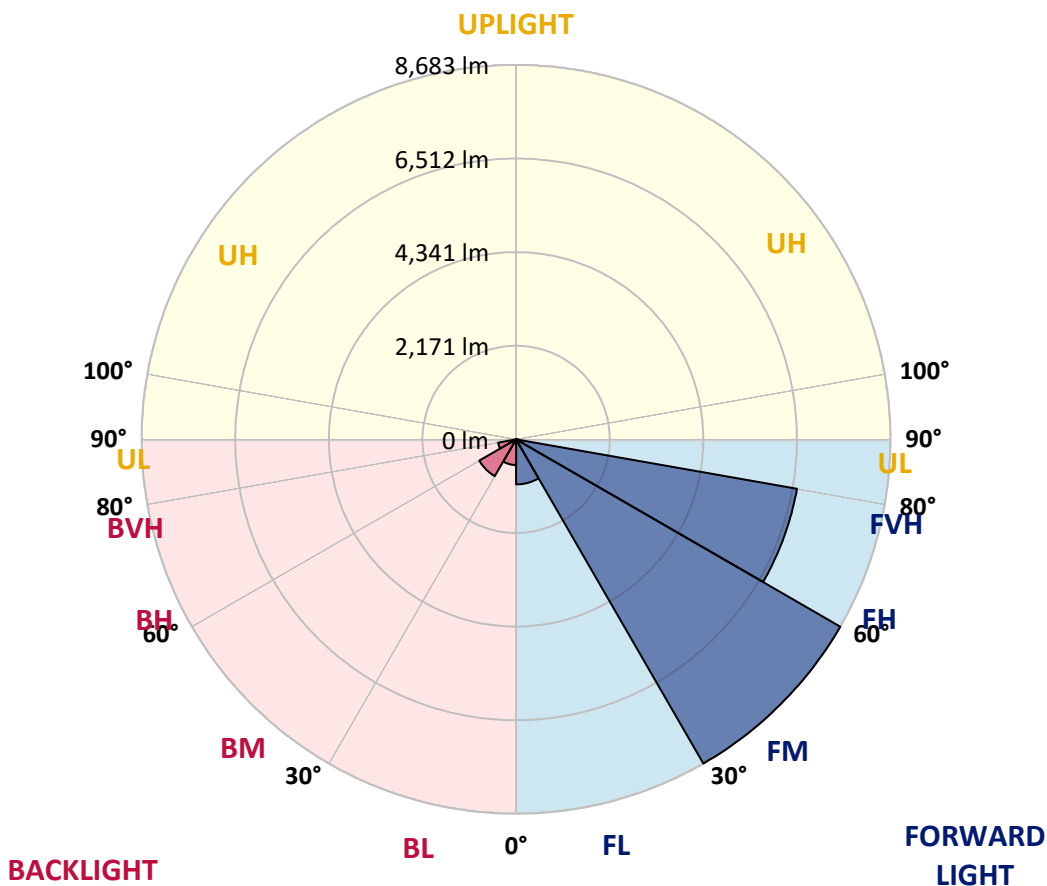
CATALOG NUMBER: GWS-SA4D-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1044.3	5.7			
FM (30°-60°)	8682.5	47.2			
FH (60°-80°)	6614.1	36.0			G3/7500
FVH (80°-90°)	43.3	0.2			G1/100
BL (0°-30°)	595.1	3.2	B2/1000		
BM (30°-60°)	985.5	5.4	B1/1000		
BH (60°-80°)	423.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





REPORT NUMBER: P637838

CATALOG NUMBER: GWS-SA4D-750-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0
2.5°	1966.3	1962.7	1962.7	1977.1	1978.9	1986.1	2002.2	2004.0	2013.0	2009.4	1996.8
5°	1863.9	1865.7	1876.5	1901.7	1923.2	1950.1	1989.6	1998.6	2018.4	2029.2	2022.0
7.5°	1768.8	1770.6	1786.7	1826.2	1867.5	1921.4	1986.1	2004.0	2043.5	2072.3	2074.0
10°	1732.9	1731.1	1747.2	1792.1	1846.0	1921.4	2014.8	2038.1	2097.4	2147.7	2156.7
12.5°	1743.6	1741.8	1758.0	1799.3	1858.6	1953.7	2065.1	2097.4	2172.8	2250.0	2266.2
15°	1786.7	1784.9	1795.7	1829.8	1894.5	1993.2	2129.7	2178.2	2273.4	2366.7	2391.9
17.5°	1916.0	1907.0	1896.3	1899.9	1937.6	2039.9	2212.3	2271.6	2390.1	2501.4	2523.0
20°	2145.9	2122.5	2093.8	2056.1	2038.1	2108.2	2307.5	2375.7	2519.4	2646.9	2650.5
22.5°	2492.4	2483.5	2417.0	2307.5	2230.3	2232.1	2418.8	2497.8	2673.8	2813.9	2794.1
25°	2975.5	2970.1	2867.8	2688.2	2487.1	2418.8	2560.7	2641.5	2857.0	3006.0	2943.2
27.5°	3575.3	3537.6	3417.2	3174.8	2874.9	2661.2	2740.3	2812.1	3050.9	3191.0	3072.5
30°	4097.8	4099.6	3986.5	3733.3	3395.7	3025.8	2959.3	3022.2	3228.7	3375.9	3232.3
32.5°	4600.6	4616.8	4492.9	4264.8	3894.9	3501.6	3273.6	3284.4	3456.7	3616.6	3442.4
35°	5067.5	5080.1	4993.9	4799.9	4455.2	3999.1	3711.7	3706.4	3799.7	3963.1	3735.1
37.5°	5590.1	5602.6	5518.2	5344.0	5020.8	4568.3	4209.1	4202.0	4239.7	4372.6	4112.2
40°	6146.7	6170.1	6076.7	5929.4	5620.6	5238.1	4787.4	4722.7	4685.0	4841.2	4600.6
42.5°	6710.6	6746.5	6714.2	6566.9	6303.0	5986.9	5538.0	5437.4	5356.6	5552.3	5297.4
45°	7410.9	7454.0	7439.6	7326.5	7121.8	6865.0	6441.2	6324.5	6286.8	6468.2	6164.7
47.5°	8084.3	8131.0	8183.1	8157.9	8012.5	7894.0	7423.5	7357.0	7346.3	7540.2	7069.7
50°	8585.3	8628.4	8827.7	8971.4	9070.1	9045.0	8637.4	8538.6	8522.5	8646.4	8025.0
52.5°	8944.4	8985.7	9260.5	9709.4	10072.2	10269.7	9858.5	9836.9	9748.9	9705.8	8919.3
55°	9222.8	9280.2	9569.4	10248.1	10979.0	11417.1	11160.4	11083.1	10856.9	10609.1	9748.9
57.5°	9278.4	9301.8	9709.4	10625.2	11682.9	12392.2	12392.2	12257.5	11821.2	11478.2	10707.8
60°	8779.2	8851.1	9402.4	10594.7	11984.6	13029.7	13414.0	13320.6	12731.6	12309.6	11630.8
62.5°	7671.3	7752.1	8423.7	9863.8	11682.9	13160.8	14187.9	14173.6	13509.1	12997.4	12395.8
65°	5882.8	5942.0	6527.4	8251.3	10407.9	12656.2	14741.0	14780.5	14123.3	13451.7	12659.8
67.5°	2955.7	2997.0	3629.1	5636.7	8249.5	11203.4	14703.3	14879.3	14310.0	13211.1	11652.4
70°	1032.5	1073.8	1371.9	2418.8	5020.8	8554.8	13431.9	13719.2	13212.9	11277.1	8596.1
72.5°	353.8	373.5	569.2	897.9	1953.7	5071.1	10214.0	10646.8	9739.9	7570.7	4940.0
75°	201.1	213.7	305.3	486.6	818.8	1668.2	5794.8	6060.5	5678.0	4126.5	2032.7
77.5°	136.5	147.2	190.3	276.5	452.5	536.9	2363.2	2975.5	2594.8	1346.8	519.0
80°	80.8	88.0	116.7	163.4	231.6	208.3	506.4	673.4	867.3	402.2	156.2
82.5°	37.7	43.1	75.4	107.7	116.7	88.0	149.0	181.4	244.2	197.5	64.6
85°	0.0	0.0	25.1	44.9	43.1	25.1	41.3	44.9	66.4	98.8	25.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4	10.8	19.8	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637838

CATALOG NUMBER: GWS-SA4D-750-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0	2004.0
2.5°	2011.2	1998.6	2013.0	2005.8	2013.0	2011.2	1996.8	1987.9	1987.9	1971.7	1966.3
5°	2036.3	2023.8	2027.4	2011.2	2007.6	1998.6	1980.7	1973.5	1973.5	1957.3	1951.9
7.5°	2092.0	2072.3	2068.7	2036.3	2022.0	1996.8	1964.5	1951.9	1950.1	1934.0	1928.6
10°	2180.0	2156.7	2140.5	2099.2	2057.9	2007.6	1939.4	1881.9	1849.6	1806.5	1802.9
12.5°	2287.7	2259.0	2233.9	2171.0	2102.8	1989.6	1788.5	1578.4	1449.1	1346.8	1354.0
15°	2408.1	2381.1	2341.6	2246.4	2106.4	1811.9	1391.7	1068.4	910.4	826.0	822.4
17.5°	2539.1	2499.6	2435.0	2305.7	1993.2	1384.5	905.0	639.3	556.7	527.9	520.8
20°	2661.2	2612.8	2532.0	2318.3	1666.4	937.4	565.6	495.6	481.3	472.3	472.3
22.5°	2790.5	2729.5	2609.2	2221.3	1239.0	599.8	481.3	465.1	454.3	441.7	439.9
25°	2921.6	2842.6	2679.2	1968.1	811.7	472.3	450.7	432.8	413.0	393.3	387.9
27.5°	3033.0	2930.6	2733.1	1591.0	520.8	425.6	411.2	380.7	353.8	332.2	328.6
30°	3165.8	3034.8	2756.4	1163.6	409.4	375.3	353.8	321.4	289.1	267.6	260.4
32.5°	3343.6	3200.0	2720.5	757.8	362.7	330.4	296.3	258.6	226.3	202.9	199.3
35°	3620.2	3449.6	2555.3	483.0	328.6	285.5	244.2	204.7	177.8	159.8	156.2
37.5°	3957.8	3799.7	2284.1	362.7	294.5	247.8	199.3	161.6	141.9	129.3	125.7
40°	4458.8	4237.9	1948.3	317.8	260.4	210.1	163.4	132.9	118.5	107.7	104.2
42.5°	5108.8	4755.0	1562.3	289.1	228.1	176.0	132.9	109.5	97.0	89.8	88.0
45°	5868.4	5259.6	1154.6	260.4	197.5	145.5	109.5	89.8	80.8	75.4	73.6
47.5°	6645.9	5701.4	797.3	229.9	168.8	120.3	91.6	77.2	70.0	62.8	61.1
50°	7475.6	6074.9	544.1	199.3	143.7	98.8	79.0	70.0	61.1	55.7	53.9
52.5°	8084.3	6213.2	378.9	172.4	122.1	84.4	70.0	62.8	55.7	48.5	46.7
55°	8646.4	6209.6	287.3	145.5	104.2	73.6	62.8	55.7	48.5	43.1	41.3
57.5°	9206.6	6161.1	226.3	123.9	89.8	66.4	55.7	48.5	44.9	37.7	35.9
60°	9569.4	5977.9	176.0	104.2	77.2	57.5	48.5	43.1	37.7	32.3	30.5
62.5°	9761.5	5722.9	134.7	82.6	62.8	50.3	43.1	37.7	32.3	26.9	25.1
65°	9501.1	5270.4	105.9	64.6	48.5	43.1	35.9	30.5	25.1	19.8	18.0
67.5°	8346.5	4444.4	82.6	52.1	37.7	32.3	30.5	25.1	18.0	14.4	12.6
70°	5898.9	3043.7	64.6	39.5	28.7	25.1	23.3	19.8	14.4	10.8	9.0
72.5°	3237.7	1535.3	46.7	28.7	21.5	19.8	18.0	16.2	12.6	9.0	9.0
75°	1246.2	422.0	34.1	19.8	14.4	14.4	12.6	12.6	10.8	7.2	7.2
77.5°	325.0	125.7	21.5	12.6	9.0	9.0	9.0	7.2	7.2	5.4	5.4
80°	104.2	41.3	12.6	9.0	7.2	5.4	5.4	3.6	5.4	3.6	3.6
82.5°	34.1	14.4	7.2	7.2	5.4	3.6	3.6	1.8	1.8	0.0	0.0
85°	12.6	7.2	5.4	3.6	3.6	3.6	1.8	0.0	0.0	0.0	0.0
87.5°	7.2	3.6	3.6	3.6	3.6	1.8	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)