

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: P634762

Luminaire Tested: GWS-SA3C-735-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-735-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

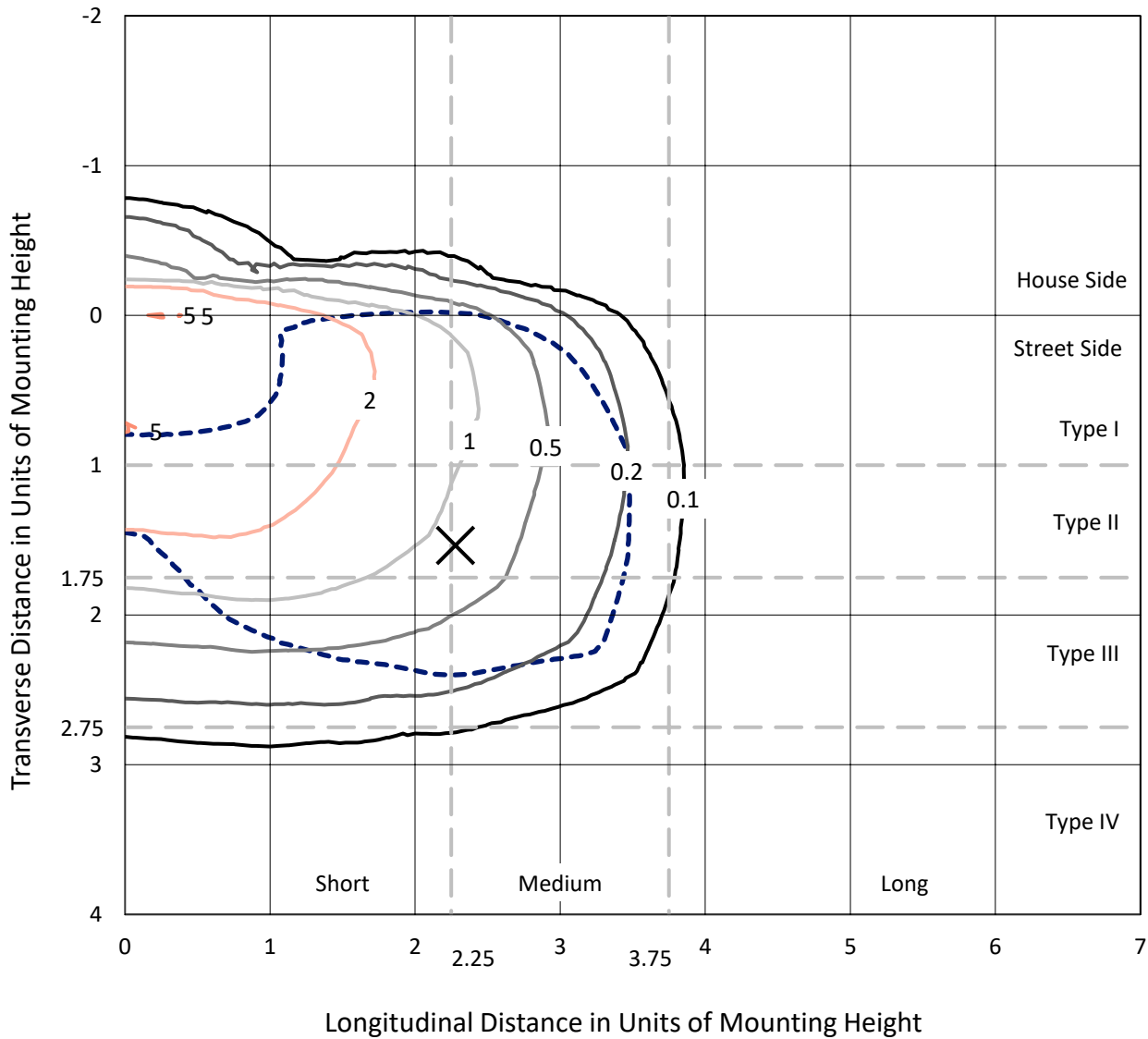
Lumens per Lamp: N/A  
Luminaire Lumens: 10770.3 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

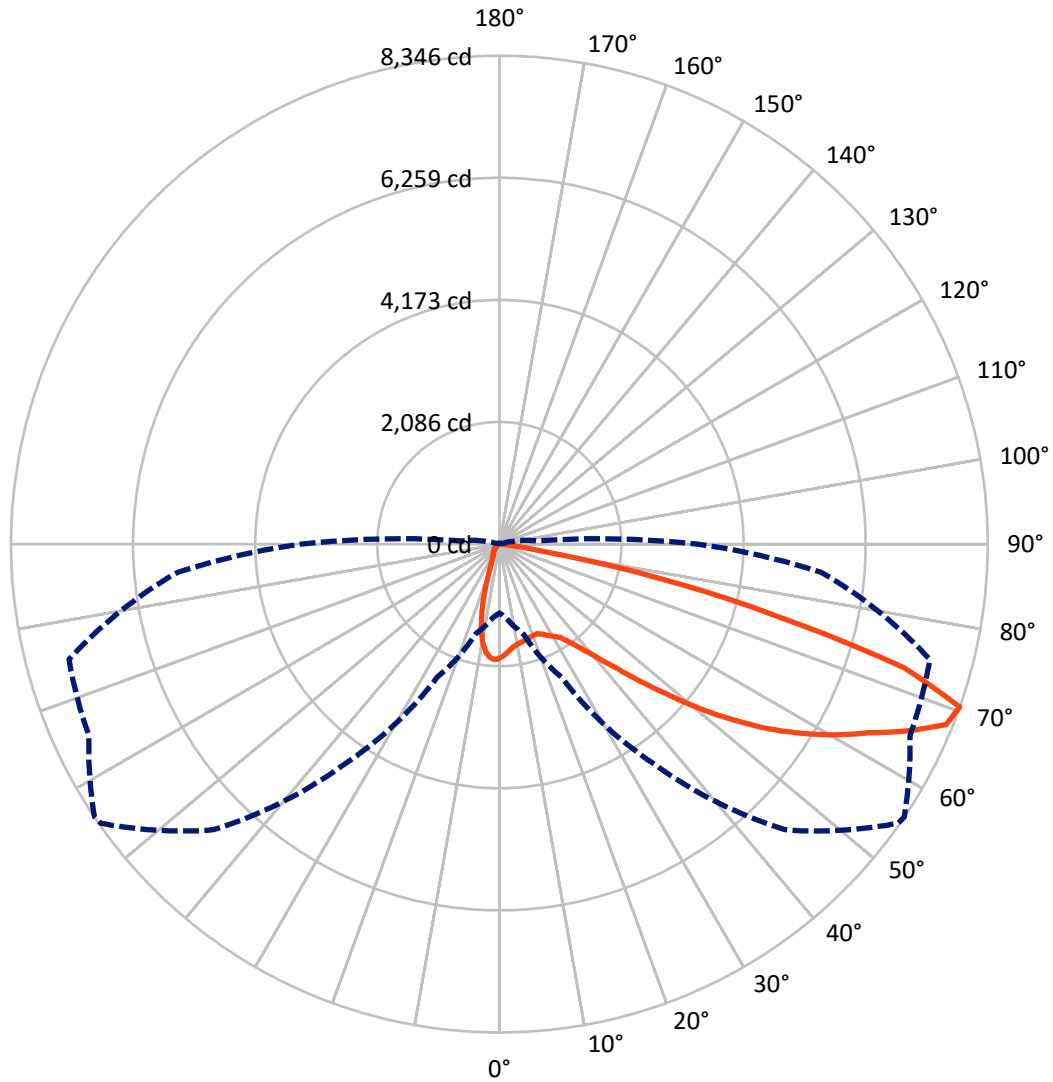
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	967.4	0.0	967.4
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	9802.9	0.0	9802.9
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	10770.3	0.0	10770.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.7	1.5
10°-20°	375.0	3.5
20°-30°	594.0	5.5
30°-40°	1024.4	9.5
40°-50°	1729.8	16.1
50°-60°	2541.7	23.6
60°-70°	3013.3	28.0
70°-80°	1285.0	11.9
80°-90°	40.4	0.4
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°	10770.3	100.0
0°-180°	10770.3	100.0

**Coefficient of Utilization**



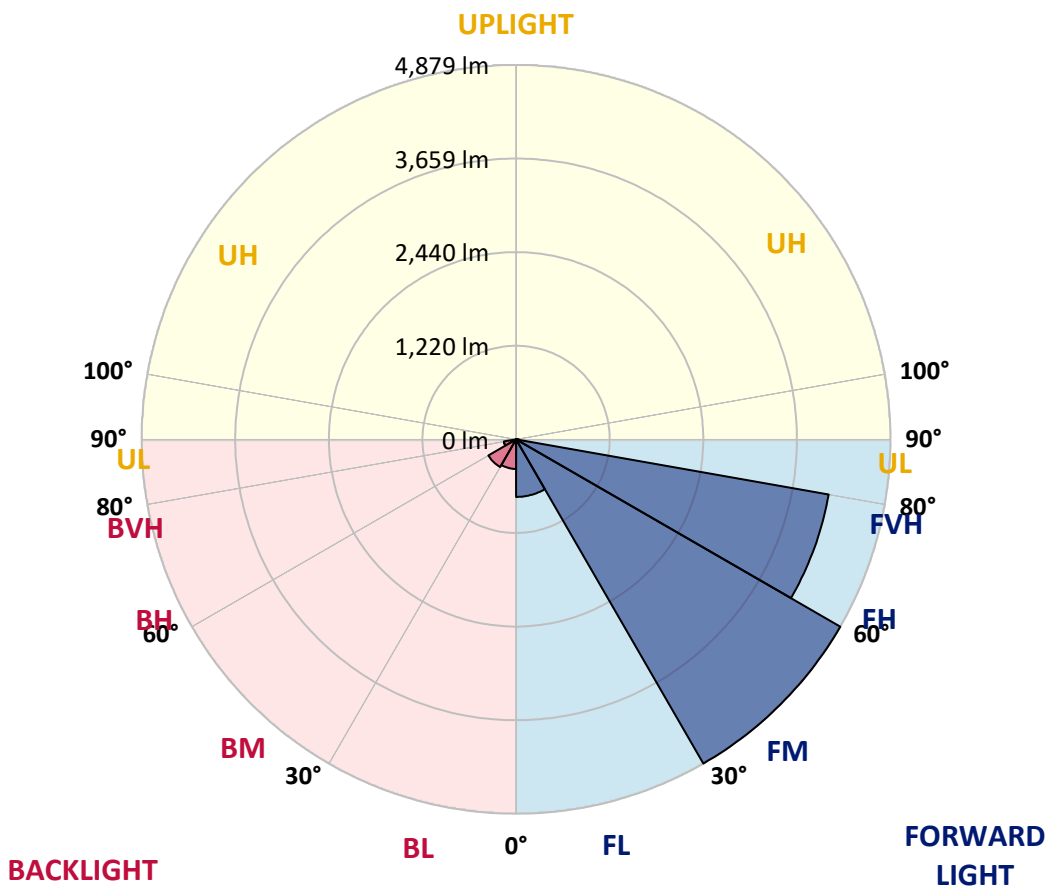
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.5	7.0			
FM (30°-60°)	4879.2	45.3			
FH (60°-80°)	4136.9	38.4			G2/5000
FVH (80°-90°)	36.3	0.3			G1/100
BL (0°-30°)	385.3	3.6	B1/500		
BM (30°-60°)	416.7	3.9	B1/1000		
BH (60°-80°)	161.3	1.5	B1/500		G1/500
BVH (80°-90°)	4.1	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0
2.5°	1807.9	1804.9	1806.9	1821.7	1849.3	1862.1	1883.8	1887.7	1905.5	1928.2	1937.1
5°	1690.5	1680.6	1685.6	1706.3	1737.8	1773.3	1813.8	1824.6	1869.0	1919.3	1956.8
7.5°	1583.0	1572.1	1584.0	1616.5	1660.9	1699.4	1759.5	1766.4	1837.4	1926.2	1994.3
10°	1414.3	1417.3	1441.0	1498.2	1566.2	1646.1	1727.0	1736.8	1824.6	1948.9	2054.4
12.5°	1285.1	1278.2	1303.9	1369.0	1464.6	1581.0	1702.3	1715.1	1825.6	1983.4	2131.4
15°	1225.0	1223.0	1233.8	1281.2	1373.9	1511.0	1679.6	1696.4	1838.4	2015.0	2204.3
17.5°	1226.9	1224.0	1223.0	1250.6	1319.6	1458.7	1655.0	1676.7	1849.3	2049.5	2281.3
20°	1312.7	1298.9	1274.3	1261.5	1302.9	1425.2	1638.2	1662.9	1865.1	2086.0	2363.1
22.5°	1492.2	1497.2	1431.1	1362.1	1342.3	1429.1	1636.2	1664.8	1899.6	2143.2	2463.7
25°	1851.3	1843.4	1721.1	1566.2	1458.7	1474.5	1670.8	1705.3	1967.6	2225.1	2558.4
27.5°	2301.0	2307.9	2140.2	1893.7	1668.8	1568.2	1733.9	1768.4	2046.5	2276.3	2621.5
30°	2791.2	2784.3	2604.8	2331.6	1966.7	1724.0	1797.0	1827.6	2086.0	2304.0	2686.6
32.5°	3254.7	3239.0	3061.4	2775.4	2346.4	1969.6	1883.8	1901.6	2138.3	2364.1	2774.4
35°	3650.2	3649.3	3494.4	3189.6	2736.9	2277.3	2032.7	2047.5	2235.9	2459.8	2903.6
37.5°	4058.6	4044.8	3871.2	3593.0	3138.4	2614.6	2260.6	2254.6	2389.8	2600.8	3062.4
40°	4393.9	4385.0	4251.9	3984.6	3555.6	2987.5	2536.7	2519.0	2572.2	2796.1	3283.3
42.5°	4642.4	4643.4	4602.0	4439.3	3997.4	3418.5	2883.9	2856.3	2855.3	3091.0	3575.3
45°	4830.8	4843.6	4905.8	4881.1	4519.2	3920.5	3328.7	3300.1	3251.8	3473.7	3909.6
47.5°	4918.6	4935.4	5122.8	5221.4	4975.8	4418.6	3858.3	3798.2	3703.5	3982.6	4283.4
50°	4909.7	4939.3	5200.7	5500.5	5390.0	4923.5	4435.3	4406.7	4251.9	4521.1	4653.3
52.5°	4708.5	4771.6	5205.6	5670.1	5708.6	5389.1	5032.0	4978.8	4903.8	5083.3	5000.5
55°	4162.1	4239.0	4997.5	5724.4	5957.2	5795.4	5615.9	5572.5	5448.2	5613.9	5303.2
57.5°	3865.2	3931.3	4559.6	5697.8	6168.2	6171.2	6135.7	6100.2	5997.6	6138.6	5658.3
60°	3686.7	3752.8	4325.8	5600.1	6359.6	6567.7	6623.9	6619.9	6472.0	6735.3	6074.5
62.5°	3425.4	3516.1	4082.2	5346.6	6495.7	6958.2	7127.9	7101.2	6936.5	7356.7	6486.8
65°	2897.7	2976.6	3583.2	4928.5	6415.8	7281.7	7674.3	7688.1	7497.7	7941.6	6812.3
67.5°	2031.7	2089.9	2692.6	4050.7	5873.3	7388.3	8233.5	8232.5	7908.0	8241.4	6668.3
70°	1177.6	1257.5	1590.9	2504.2	4569.5	6904.0	8317.3	8345.9	7741.3	7615.1	5518.3
72.5°	455.7	521.7	901.5	1330.5	2382.9	5288.5	7154.5	7238.3	6478.9	5874.3	3840.6
75°	136.1	151.9	424.1	708.2	956.7	2554.5	4843.6	4867.3	4444.2	3664.0	1968.6
77.5°	101.6	112.4	185.4	358.0	335.3	774.2	2506.1	2736.9	2359.2	1308.8	542.5
80°	69.0	81.9	132.2	174.6	124.3	206.1	704.2	773.2	720.0	293.9	136.1
82.5°	30.6	39.5	93.7	87.8	45.4	59.2	217.0	230.8	148.9	88.8	47.3
85°	3.0	3.9	35.5	38.5	16.8	13.8	45.4	45.4	32.5	30.6	19.7
87.5°	0.0	0.0	1.0	2.0	2.0	3.0	3.9	4.9	5.9	7.9	9.9
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°	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0	1942.0
2.5°	1959.7	1947.9	1962.7	1974.5	1977.5	1955.8	1943.0	1924.2	1920.3	1921.3	1916.4
5°	1986.4	1980.5	1991.3	1978.5	1945.0	1881.8	1827.6	1767.4	1734.9	1716.1	1714.2
7.5°	2035.7	2032.7	2020.9	1962.7	1858.2	1718.1	1583.0	1450.8	1369.0	1339.4	1334.4
10°	2108.7	2102.8	2054.4	1916.4	1693.4	1424.2	1197.3	1008.0	892.6	859.1	817.6
12.5°	2192.5	2180.7	2075.1	1816.7	1444.9	1072.1	789.0	577.0	477.4	447.8	447.8
15°	2273.4	2247.7	2063.3	1652.0	1139.2	697.3	440.9	333.4	302.8	294.9	294.9
17.5°	2356.2	2306.9	2017.0	1427.2	787.1	412.3	293.9	273.2	269.3	270.2	271.2
20°	2434.1	2357.2	1935.1	1156.9	502.0	288.0	263.3	258.4	256.4	258.4	257.4
22.5°	2519.0	2403.6	1810.8	862.0	326.5	259.4	250.5	246.6	244.6	247.6	247.6
25°	2602.8	2437.1	1646.1	579.9	259.4	241.6	236.7	232.8	230.8	231.8	231.8
27.5°	2646.2	2424.3	1430.1	369.9	232.8	223.9	219.0	214.0	211.1	210.1	211.1
30°	2675.8	2384.8	1165.8	263.3	211.1	200.2	195.3	191.3	183.4	178.5	180.5
32.5°	2722.1	2345.4	878.8	220.9	193.3	176.5	168.7	158.8	147.9	143.0	143.0
35°	2777.4	2291.1	616.4	199.2	174.6	156.8	142.0	125.3	112.4	108.5	108.5
37.5°	2850.4	2239.9	410.3	184.4	158.8	140.1	119.3	99.6	85.8	83.8	82.8
40°	2959.8	2196.5	289.0	173.6	145.0	122.3	97.6	76.9	67.1	64.1	64.1
42.5°	3101.9	2152.1	228.8	162.7	133.1	105.5	77.9	61.1	53.3	51.3	50.3
45°	3277.4	2099.8	199.2	152.9	121.3	87.8	62.1	51.3	45.4	43.4	43.4
47.5°	3467.8	2028.8	185.4	140.1	107.5	71.0	52.3	44.4	41.4	40.4	39.5
50°	3655.2	1933.1	173.6	128.2	91.7	58.2	45.4	40.4	38.5	37.5	37.5
52.5°	3818.9	1821.7	158.8	114.4	75.0	50.3	40.4	37.5	35.5	33.5	32.5
55°	3958.9	1700.4	140.1	98.6	61.1	44.4	37.5	34.5	32.5	30.6	29.6
57.5°	4139.4	1631.3	112.4	79.9	50.3	39.5	34.5	31.6	29.6	26.6	26.6
60°	4339.7	1581.0	83.8	63.1	43.4	36.5	31.6	28.6	26.6	23.7	23.7
62.5°	4500.4	1506.1	66.1	51.3	37.5	32.5	28.6	25.6	23.7	20.7	20.7
65°	4561.6	1351.2	54.2	40.4	30.6	28.6	25.6	23.7	20.7	17.8	17.8
67.5°	4285.4	1041.5	45.4	32.5	25.6	24.7	22.7	21.7	17.8	15.8	14.8
70°	3393.8	635.2	37.5	26.6	21.7	20.7	20.7	18.7	15.8	14.8	13.8
72.5°	2325.7	327.4	30.6	21.7	18.7	18.7	17.8	16.8	14.8	13.8	13.8
75°	1208.2	109.5	23.7	16.8	14.8	15.8	15.8	14.8	13.8	13.8	12.8
77.5°	346.2	49.3	17.8	12.8	11.8	11.8	12.8	12.8	12.8	11.8	11.8
80°	89.8	28.6	12.8	9.9	9.9	9.9	9.9	10.8	11.8	10.8	10.8
82.5°	36.5	15.8	8.9	7.9	7.9	7.9	7.9	8.9	9.9	9.9	9.9
85°	22.7	7.9	6.9	6.9	6.9	5.9	5.9	6.9	6.9	7.9	7.9
87.5°	13.8	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9
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)