

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: P634350

Luminaire Tested: GWS-SA3B-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8617.4 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

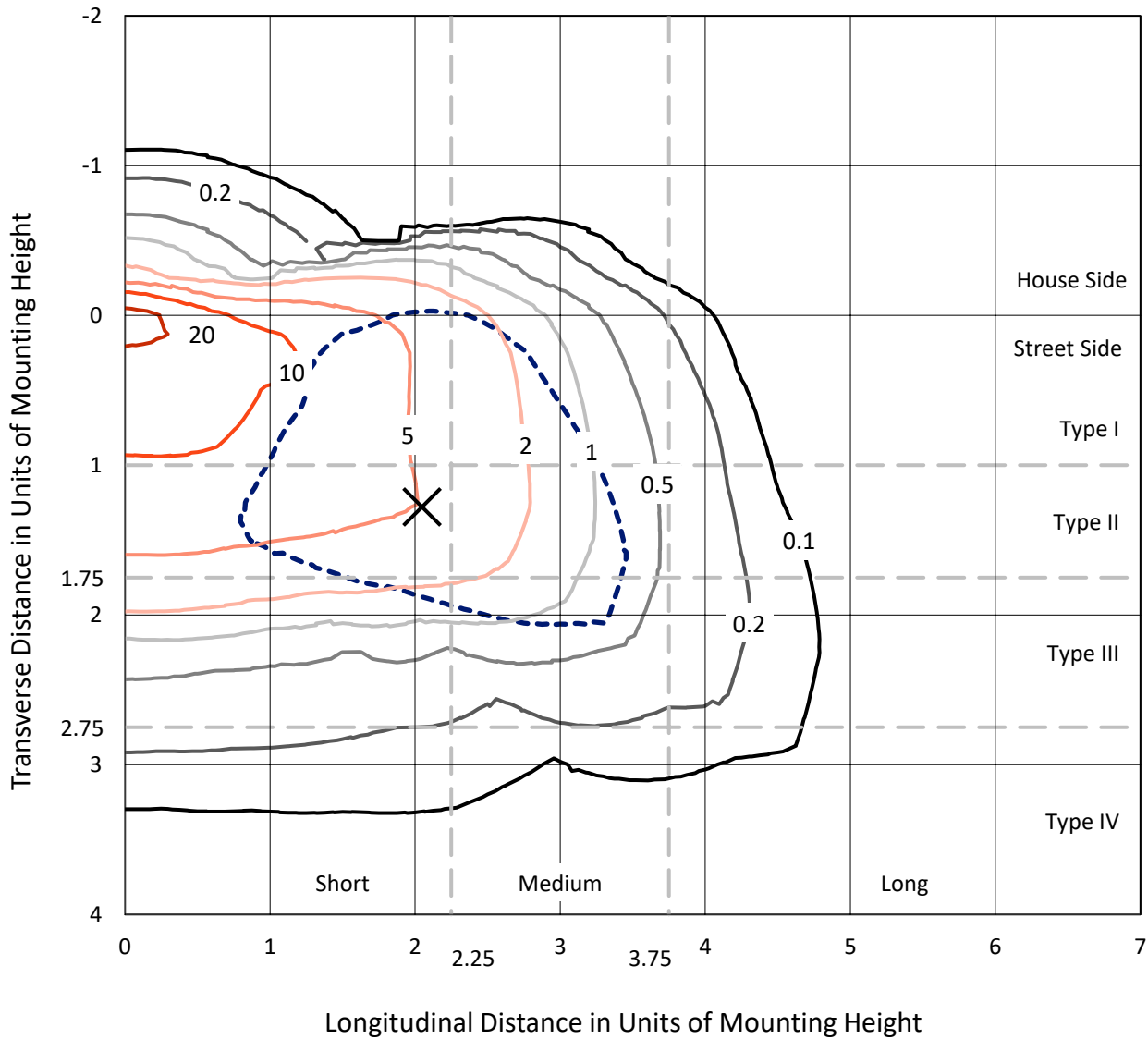
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

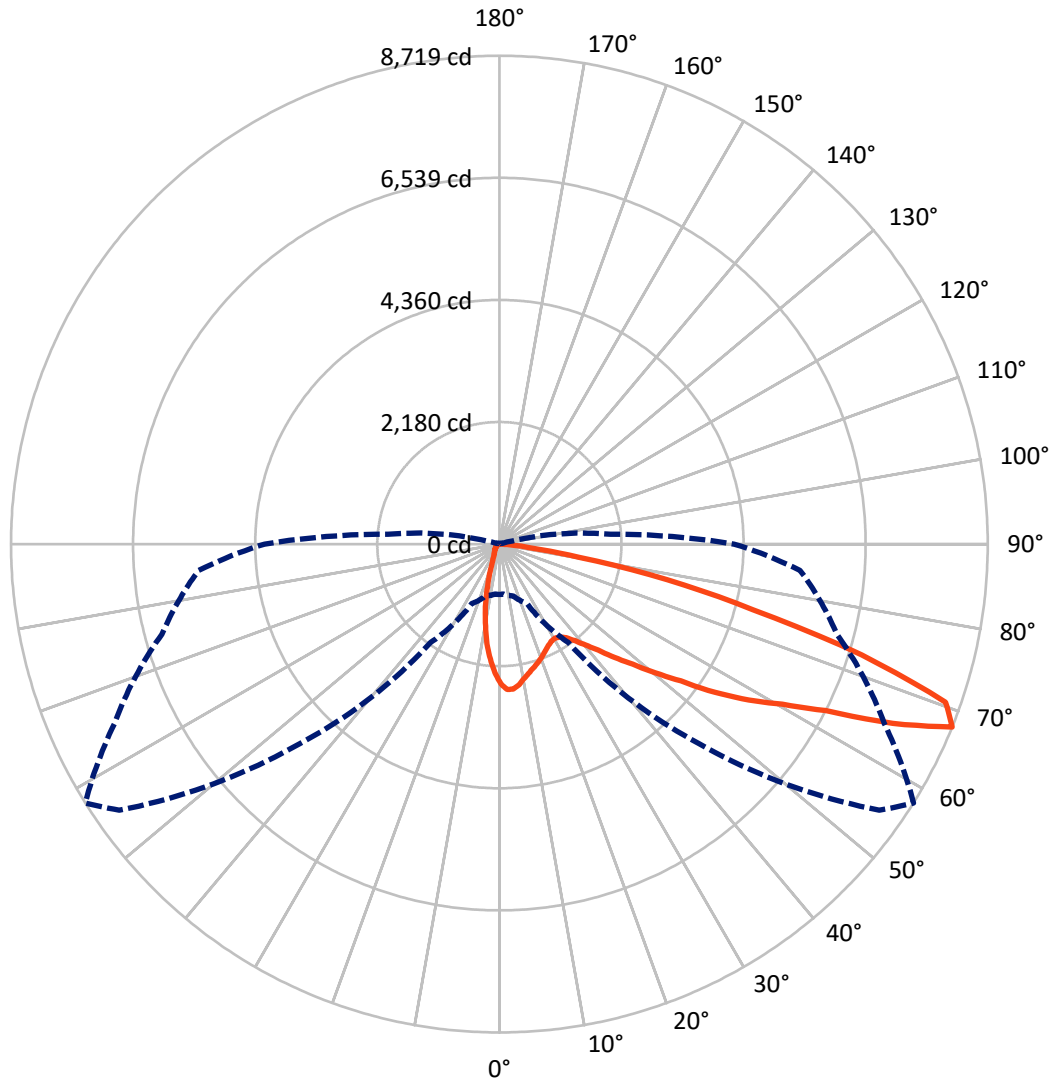
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.9	0.0	841.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7775.5	0.0	7775.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	8617.4	0.0	8617.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.0	2.3
10°-20°	420.5	4.9
20°-30°	567.0	6.6
30°-40°	796.8	9.2
40°-50°	1230.5	14.3
50°-60°	1967.8	22.8
60°-70°	2330.0	27.0
70°-80°	1030.7	12.0
80°-90°	72.1	0.8
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°	8617.4	100.0
0°-180°	8617.4	100.0

Coefficient of Utilization



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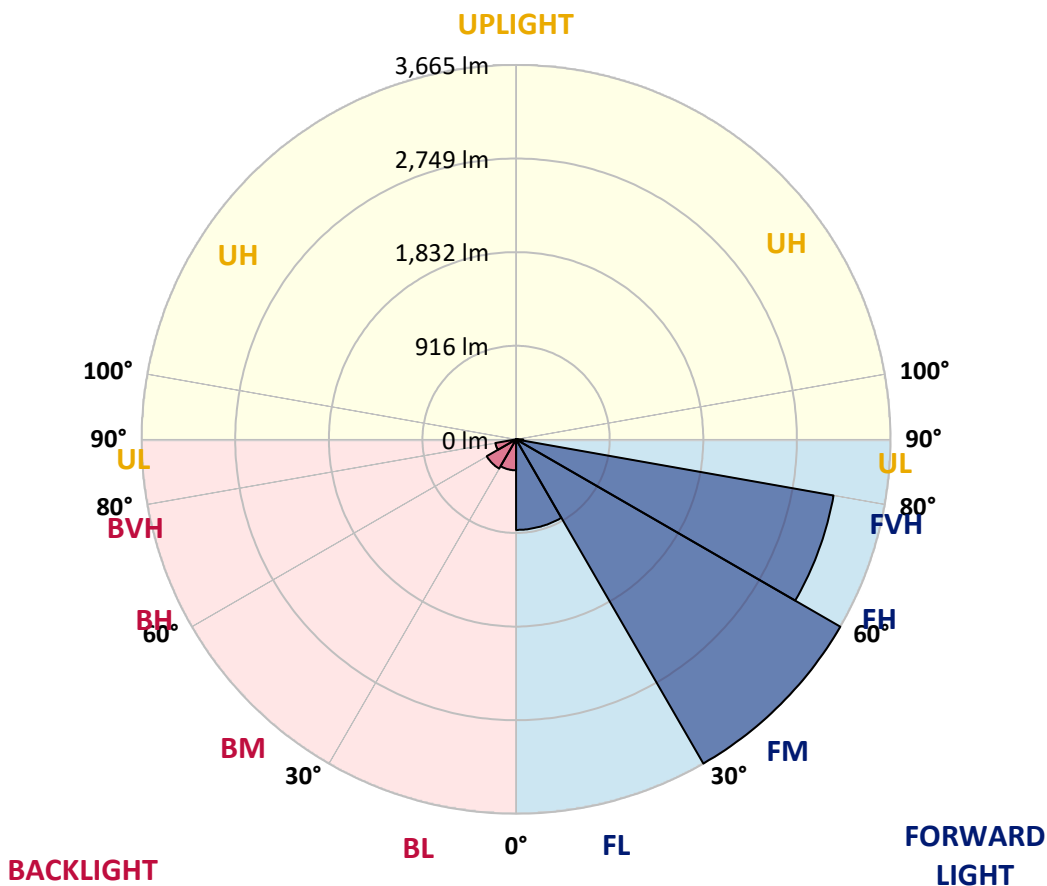
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.5	10.3			
FM (30°-60°)	3664.8	42.5			
FH (60°-80°)	3155.2	36.6			G2/5000
FVH (80°-90°)	69.0	0.8			G1/100
BL (0°-30°)	303.0	3.5	B1/500		
BM (30°-60°)	330.3	3.8	B1/1000		
BH (60°-80°)	205.5	2.4	B1/500		G1/500
BVH (80°-90°)	3.1	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7
2.5°	2614.6	2619.1	2625.2	2632.9	2631.3	2624.5	2616.1	2597.0	2584.8	2546.7	2500.2
5°	2530.7	2529.9	2545.2	2559.6	2585.6	2599.3	2618.4	2600.8	2594.7	2549.0	2473.5
7.5°	2366.7	2375.1	2392.6	2415.5	2452.9	2493.3	2539.1	2533.7	2552.0	2521.5	2427.7
10°	2205.7	2201.2	2228.6	2263.0	2320.2	2372.0	2438.4	2437.6	2485.7	2482.6	2375.8
12.5°	2064.6	2063.9	2085.2	2124.1	2191.3	2263.7	2353.7	2356.0	2415.5	2439.9	2331.6
15°	1945.7	1947.2	1967.8	2008.2	2077.6	2166.1	2270.6	2289.6	2356.8	2406.3	2288.1
17.5°	1861.0	1861.8	1874.0	1909.1	1976.9	2071.5	2197.4	2223.3	2309.5	2381.2	2253.0
20°	1822.1	1819.1	1821.3	1838.9	1891.5	1977.7	2122.6	2156.2	2266.0	2363.6	2221.0
22.5°	1827.4	1822.9	1812.2	1809.9	1833.5	1899.1	2043.3	2084.5	2218.7	2353.0	2192.0
25°	1874.7	1864.8	1849.6	1826.7	1817.5	1850.3	1973.9	2016.6	2174.5	2353.7	2169.9
27.5°	1947.2	1936.5	1917.4	1886.9	1851.1	1837.4	1926.6	1967.0	2143.2	2371.3	2159.2
30°	2039.5	2031.1	2012.8	1976.2	1928.1	1871.7	1916.7	1950.2	2128.0	2407.1	2163.8
32.5°	2148.5	2142.4	2127.2	2093.6	2038.7	1952.5	1950.2	1976.2	2140.2	2459.0	2181.3
35°	2253.8	2256.1	2256.9	2238.5	2179.8	2075.3	2042.5	2051.7	2190.5	2536.8	2221.0
37.5°	2367.4	2362.1	2389.6	2402.5	2346.1	2234.7	2185.2	2185.9	2286.6	2651.9	2295.7
40°	2453.6	2455.2	2514.6	2568.0	2544.4	2436.8	2365.9	2365.2	2434.6	2809.8	2416.3
42.5°	2534.5	2544.4	2632.1	2723.6	2756.4	2661.1	2610.0	2590.9	2642.0	3023.4	2597.0
45°	2620.7	2635.2	2757.9	2888.4	2974.6	2918.1	2877.7	2885.3	2891.4	3272.0	2840.3
47.5°	2721.3	2730.5	2882.3	3066.1	3227.0	3212.5	3214.8	3205.7	3202.6	3585.5	3162.2
50°	2843.4	2864.7	3039.4	3259.0	3478.7	3574.8	3606.8	3610.7	3561.1	3927.2	3495.5
52.5°	3102.7	3128.6	3278.1	3470.3	3753.3	3955.4	4085.8	4059.9	3983.6	4258.2	3860.8
55°	3408.5	3428.4	3572.5	3771.6	4088.9	4372.6	4682.3	4671.6	4484.7	4606.8	4161.3
57.5°	3437.5	3459.6	3683.1	3988.2	4519.8	4888.2	5213.9	5248.2	4974.4	4853.9	4429.8
60°	3111.8	3156.8	3461.9	3872.3	4684.5	5581.5	5796.6	5803.4	5333.6	5104.8	4757.8
62.5°	2494.1	2515.4	2822.8	3358.2	4430.6	5985.7	6686.7	6541.7	5795.0	5493.0	5277.2
65°	1307.3	1394.2	1661.9	2254.6	3593.1	5844.6	7757.5	7717.8	6624.9	6049.0	5681.4
67.5°	896.9	896.2	959.5	1175.3	2142.4	5032.3	8283.0	8719.3	7584.4	6239.7	5388.5
70°	682.6	684.9	741.4	881.7	1109.7	3349.8	7706.4	8452.3	7762.8	5665.4	4358.1
72.5°	453.0	457.6	551.4	712.4	886.3	1642.1	5988.8	6762.9	6531.8	4550.3	3067.6
75°	270.8	274.6	341.7	517.9	787.9	919.1	3805.1	4675.4	4496.2	3136.3	1644.4
77.5°	111.4	114.4	175.4	322.6	576.6	713.9	2104.3	3059.2	2693.1	1247.0	449.2
80°	46.5	48.1	84.7	225.8	415.7	447.7	974.7	1437.7	1103.6	268.5	137.3
82.5°	16.8	17.5	31.3	124.3	258.6	337.1	491.9	568.2	311.2	87.7	74.0
85°	0.8	0.8	7.6	41.9	98.4	95.3	281.4	272.3	103.0	36.6	44.2
87.5°	0.0	0.0	0.8	0.8	1.5	3.8	26.7	47.3	22.1	9.2	19.1
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°	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7	2485.7
2.5°	2469.6	2429.2	2385.0	2343.8	2278.2	2239.3	2191.3	2169.9	2139.4	2131.8	2136.3
5°	2419.3	2349.9	2243.9	2147.8	2023.5	1923.5	1822.9	1780.2	1725.2	1688.6	1673.4
7.5°	2348.4	2257.6	2092.1	1917.4	1746.6	1564.3	1425.5	1334.0	1250.8	1205.1	1195.9
10°	2276.7	2158.5	1921.3	1671.1	1406.4	1188.3	1000.7	861.9	749.0	697.9	658.2
12.5°	2202.7	2055.5	1747.4	1420.9	1113.6	816.1	584.2	449.2	368.4	336.4	341.7
15°	2134.8	1956.3	1575.0	1170.8	784.1	492.7	322.6	272.3	253.2	247.1	246.4
17.5°	2070.0	1862.5	1403.4	927.5	517.1	302.0	247.1	234.9	229.6	226.5	226.5
20°	2011.3	1772.5	1235.6	698.6	334.1	239.5	223.5	217.4	212.8	210.5	210.5
22.5°	1956.3	1685.6	1071.6	494.2	246.4	215.1	205.2	199.1	193.7	190.7	190.7
25°	1906.8	1607.0	915.2	340.2	212.0	196.8	186.1	179.2	170.1	164.7	164.7
27.5°	1870.9	1536.9	765.0	247.9	191.4	176.9	164.7	155.6	145.7	139.6	138.0
30°	1849.6	1477.4	613.2	203.6	172.4	157.9	144.2	132.7	121.3	115.2	114.4
32.5°	1837.4	1422.4	474.4	177.7	156.4	139.6	124.3	112.1	100.7	93.8	93.1
35°	1841.9	1379.7	355.4	160.2	141.1	123.6	106.8	94.6	84.7	78.6	77.0
37.5°	1881.6	1360.7	266.9	146.4	128.1	109.8	92.3	80.8	71.7	67.1	66.4
40°	1958.6	1364.5	209.7	135.8	117.5	96.1	79.3	68.6	61.8	58.0	57.2
42.5°	2078.4	1396.5	173.1	126.6	106.0	83.9	68.6	60.3	53.4	49.6	48.8
45°	2256.9	1462.9	151.0	115.9	93.8	72.5	59.5	51.9	45.8	41.2	40.4
47.5°	2515.4	1578.0	136.5	106.0	83.1	62.5	51.1	43.5	38.1	34.3	33.6
50°	2790.7	1716.1	124.3	96.1	74.0	54.2	43.5	35.8	31.3	27.5	26.7
52.5°	3084.4	1864.8	115.2	86.9	65.6	46.5	36.6	29.7	25.2	21.4	20.6
55°	3366.6	2014.3	104.5	80.8	55.7	39.7	30.5	24.4	19.8	16.8	16.8
57.5°	3641.2	2151.6	93.1	70.9	45.8	33.6	25.2	19.8	16.0	13.7	13.0
60°	3969.1	2341.5	80.1	60.3	38.1	28.2	20.6	16.0	13.0	10.7	10.7
62.5°	4456.5	2539.1	68.6	50.3	32.0	23.6	16.8	13.0	10.7	9.2	8.4
65°	4615.9	2432.3	58.0	41.2	25.9	19.1	13.7	11.4	9.2	8.4	7.6
67.5°	4190.3	1993.7	48.1	33.6	21.4	16.0	12.2	9.9	8.4	7.6	6.9
70°	3269.7	1414.8	37.4	25.2	17.5	13.0	10.7	9.2	7.6	6.9	6.9
72.5°	2224.1	836.7	29.7	19.1	14.5	11.4	9.2	8.4	7.6	6.9	6.1
75°	1095.2	297.5	22.9	14.5	11.4	9.9	8.4	7.6	6.9	6.1	6.1
77.5°	295.2	82.4	17.5	11.4	9.2	7.6	7.6	7.6	6.9	5.3	5.3
80°	99.9	34.3	13.0	8.4	7.6	6.1	5.3	6.9	6.1	5.3	4.6
82.5°	54.9	16.8	9.2	6.9	5.3	4.6	4.6	4.6	4.6	3.8	3.8
85°	35.1	9.2	6.1	5.3	5.3	3.8	3.1	3.1	2.3	2.3	2.3
87.5°	16.0	5.3	5.3	4.6	4.6	3.8	2.3	1.5	0.8	0.8	0.8
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)