

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: P634737

Luminaire Tested: GWS-SA3C-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10840.4 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

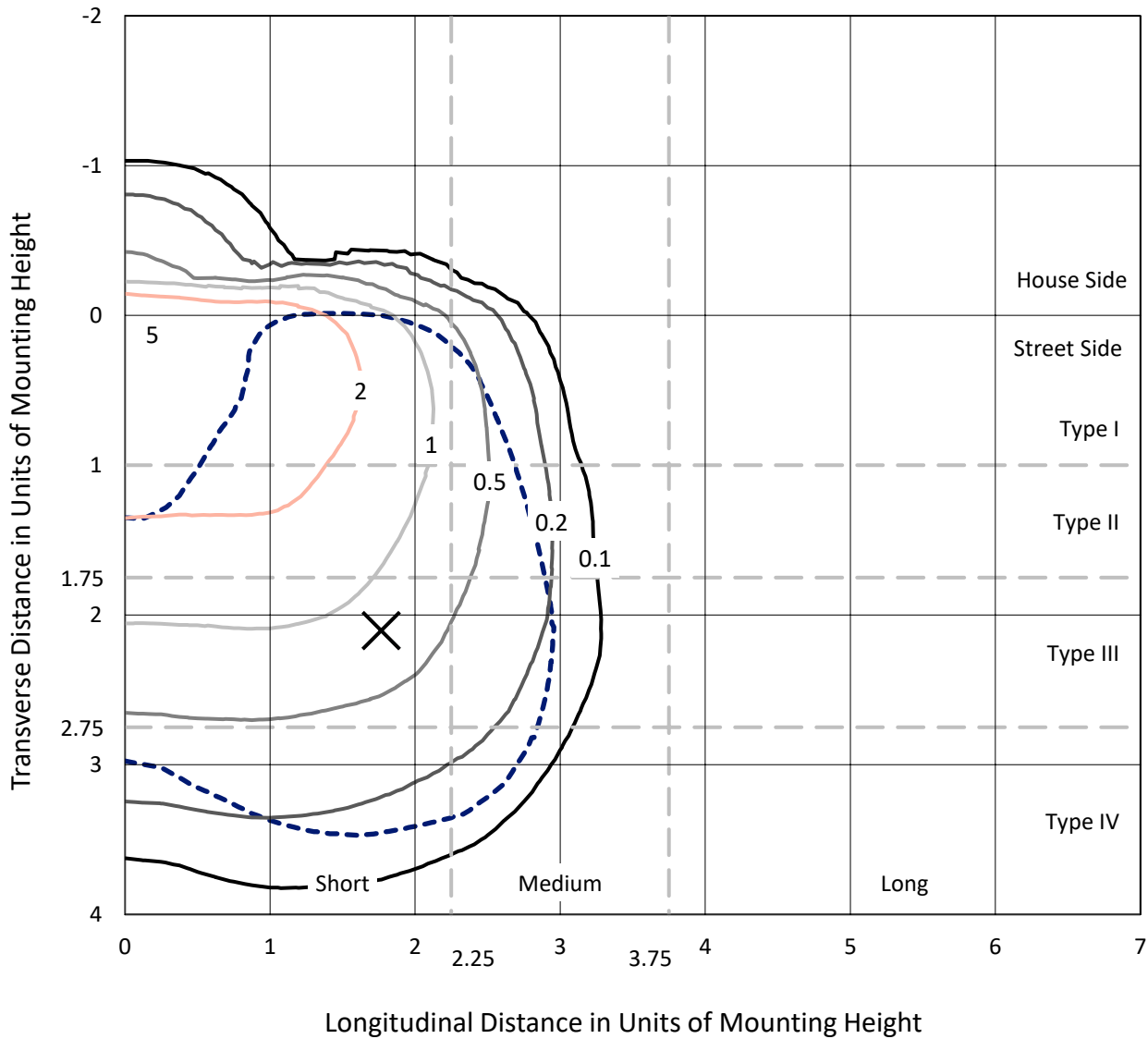
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

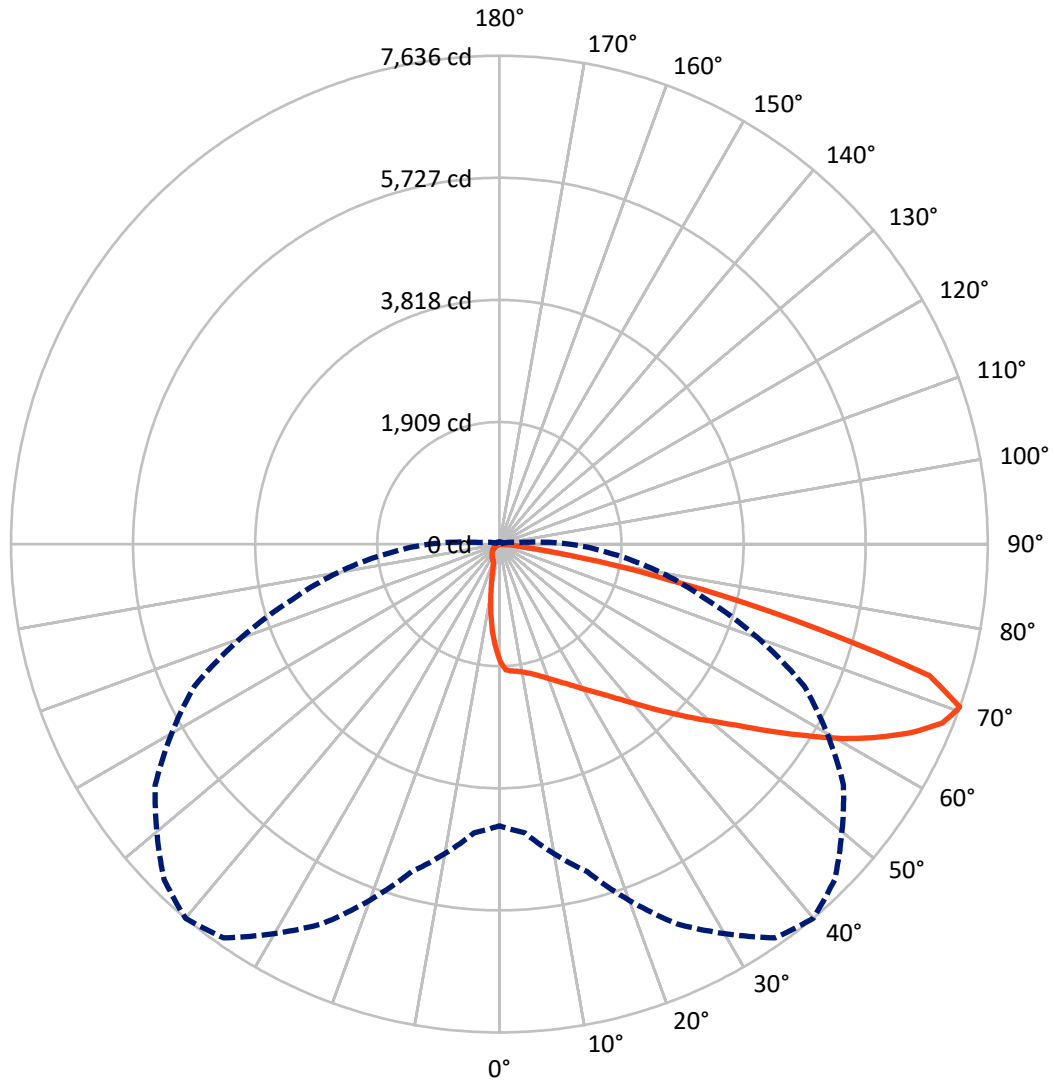
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	886.5	0.0	886.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	9953.9	0.0	9953.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	10840.4	0.0	10840.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	1.4
10°-20°	394.3	3.6
20°-30°	660.0	6.1
30°-40°	1036.5	9.6
40°-50°	1639.6	15.1
50°-60°	2391.7	22.1
60°-70°	2964.9	27.4
70°-80°	1500.0	13.8
80°-90°	97.9	0.9
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°	10840.4	100.0
0°-180°	10840.4	100.0

Coefficient of Utilization



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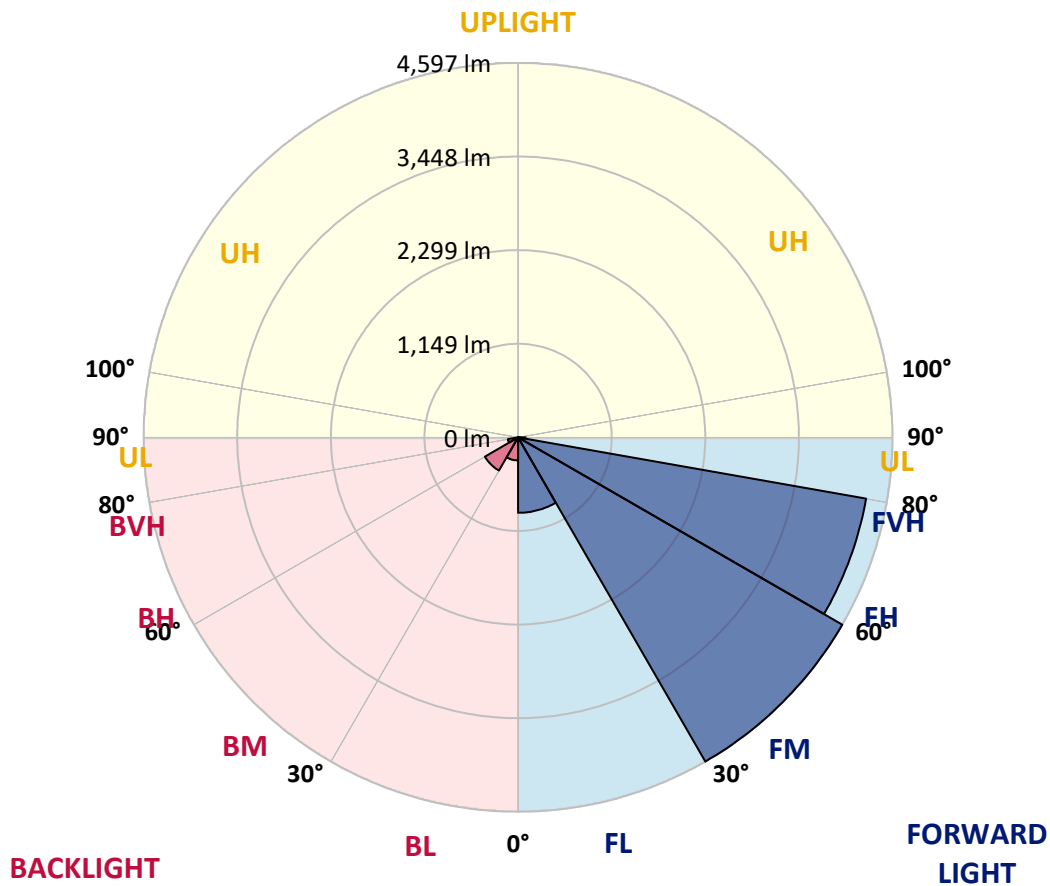
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.7	8.5			
FM (30°-60°)	4597.3	42.4			
FH (60°-80°)	4338.5	40.0			G2/5000
FVH (80°-90°)	91.5	0.8			G1/100
BL (0°-30°)	283.1	2.6	B1/500		
BM (30°-60°)	470.5	4.3	B1/1000		
BH (60°-80°)	126.4	1.2	B1/500		G1/500
BVH (80°-90°)	6.5	0.1			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5
2.5°	1977.6	1984.5	1983.5	1986.4	1979.5	1968.7	1966.7	1951.9	1925.3	1891.8	1854.3
5°	2018.0	2025.9	2020.0	2017.0	2004.2	1992.4	1989.4	1973.6	1943.0	1897.7	1832.6
7.5°	2052.5	2054.5	2050.6	2043.7	2024.9	2009.1	1998.3	1976.6	1940.1	1894.7	1819.8
10°	2058.4	2057.5	2059.4	2060.4	2048.6	2034.8	2025.9	1996.3	1950.0	1901.6	1820.7
12.5°	2051.5	2051.5	2064.4	2079.2	2079.2	2072.3	2063.4	2036.7	1982.5	1925.3	1840.5
15°	2060.4	2063.4	2088.0	2115.7	2124.5	2117.6	2113.7	2086.1	2029.8	1966.7	1876.0
17.5°	2092.0	2094.9	2134.4	2175.8	2186.7	2178.8	2170.9	2143.3	2083.1	2014.1	1916.4
20°	2138.3	2146.2	2196.5	2249.8	2259.7	2249.8	2234.0	2195.5	2135.4	2065.4	1954.9
22.5°	2223.2	2228.1	2282.3	2338.6	2343.5	2327.7	2304.0	2250.8	2187.7	2119.6	1998.3
25°	2335.6	2342.5	2396.8	2451.0	2438.2	2414.5	2382.0	2321.8	2249.8	2183.7	2053.5
27.5°	2469.7	2477.6	2530.9	2578.2	2544.7	2517.1	2480.6	2405.6	2332.6	2272.5	2124.5
30°	2614.7	2621.6	2669.0	2711.4	2667.0	2634.5	2591.1	2514.1	2440.2	2394.8	2225.1
32.5°	2754.8	2753.8	2799.2	2833.7	2788.3	2762.7	2723.2	2645.3	2586.1	2566.4	2375.1
35°	2885.0	2885.0	2922.5	2957.0	2924.4	2910.6	2874.1	2812.0	2778.5	2802.1	2575.3
37.5°	3016.2	3009.3	3044.8	3083.2	3080.3	3081.3	3060.5	3031.0	3032.9	3116.8	2850.5
40°	3124.7	3121.7	3163.1	3213.4	3252.9	3284.4	3271.6	3282.5	3344.6	3501.4	3202.6
42.5°	3211.5	3218.4	3271.6	3351.5	3451.1	3515.2	3524.1	3568.5	3728.3	3970.9	3600.1
45°	3311.1	3312.1	3386.0	3508.3	3667.1	3768.7	3804.2	3918.6	4145.5	4458.2	4036.0
47.5°	3433.4	3421.5	3504.4	3676.0	3905.8	4055.7	4118.9	4261.9	4613.0	4933.6	4391.1
50°	3568.5	3546.8	3640.5	3874.3	4173.1	4360.5	4488.7	4697.8	5076.6	5324.2	4655.4
52.5°	3725.3	3704.6	3811.1	4102.1	4493.7	4721.5	4886.2	5097.3	5474.1	5622.0	4813.2
55°	3924.6	3903.9	4016.3	4375.3	4872.4	5168.3	5340.9	5518.5	5843.9	5842.0	4927.7
57.5°	4145.5	4116.9	4272.7	4720.5	5344.9	5652.6	5828.2	5915.0	6125.0	6012.6	5004.6
60°	4399.0	4373.3	4589.3	5131.8	5890.3	6175.3	6285.8	6250.3	6355.8	6113.2	4978.0
62.5°	4627.8	4616.0	4884.3	5567.8	6410.1	6650.8	6681.3	6526.5	6525.5	6115.2	4798.4
65°	4865.5	4888.2	5286.7	6069.8	6932.8	7094.6	7042.3	6800.7	6593.5	5873.5	4267.8
67.5°	4954.3	5020.4	5552.0	6523.5	7345.1	7471.4	7379.6	6937.8	6310.5	5060.8	3249.9
70°	4405.9	4530.2	5301.5	6549.2	7515.8	7636.1	7416.1	6568.9	5261.0	3352.5	1780.3
72.5°	3350.5	3495.5	4417.7	5362.6	6759.2	7033.4	6657.7	5351.8	3391.0	1468.6	597.7
75°	1875.0	2031.8	3290.4	4038.0	4538.1	4788.6	4650.5	3433.4	1502.2	383.7	178.5
77.5°	634.2	686.5	1530.8	2498.3	2995.5	2770.6	2345.5	1705.3	552.3	146.0	94.7
80°	375.8	395.5	570.1	1243.7	1576.1	1306.9	1031.7	630.3	281.1	77.9	66.1
82.5°	112.4	133.2	314.6	461.6	617.4	384.7	325.5	360.0	146.0	42.4	55.2
85°	0.0	0.0	67.1	143.0	161.8	63.1	63.1	204.2	26.6	17.8	40.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.9	3.0	3.9	8.9
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°	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5
2.5°	1827.7	1793.1	1752.7	1714.2	1677.7	1630.4	1607.7	1580.1	1556.4	1543.6	1550.5
5°	1791.2	1736.9	1654.1	1570.2	1485.4	1405.5	1333.5	1285.2	1241.8	1219.1	1224.0
7.5°	1759.6	1686.6	1557.4	1420.3	1284.2	1147.1	1035.6	948.8	881.8	854.2	849.2
10°	1745.8	1654.1	1471.6	1274.3	1065.2	880.8	723.0	627.3	559.2	525.7	531.6
12.5°	1752.7	1637.3	1398.6	1131.3	860.1	645.1	494.1	404.4	356.1	336.3	331.4
15°	1772.4	1633.3	1333.5	985.3	663.8	450.7	341.3	304.8	294.9	292.9	292.9
17.5°	1795.1	1634.3	1266.4	837.4	504.0	334.4	292.0	285.0	282.1	280.1	281.1
20°	1817.8	1634.3	1189.5	687.5	378.7	289.0	278.1	273.2	270.3	269.3	269.3
22.5°	1845.4	1634.3	1103.7	548.4	303.8	274.2	265.3	262.4	259.4	258.4	257.4
25°	1878.9	1635.3	1009.0	429.0	276.2	261.4	254.5	251.5	248.6	246.6	246.6
27.5°	1927.3	1643.2	904.5	334.4	260.4	249.5	243.6	240.7	237.7	234.7	234.7
30°	1997.3	1662.9	787.1	276.2	245.6	236.7	230.8	228.8	225.9	222.9	221.9
32.5°	2101.8	1697.5	665.8	247.6	231.8	222.9	216.0	214.0	211.1	208.1	207.1
35°	2247.8	1760.6	547.4	229.8	214.0	205.2	201.2	200.2	196.3	193.3	193.3
37.5°	2461.9	1863.2	434.0	212.1	199.2	192.3	187.4	185.4	181.5	178.5	177.5
40°	2723.2	1996.3	337.3	198.3	185.4	178.5	173.6	170.6	165.7	161.8	159.8
42.5°	3056.6	2159.1	266.3	183.5	172.6	165.7	161.8	155.8	148.9	143.0	142.0
45°	3403.8	2326.7	219.9	169.6	160.8	154.9	149.9	142.0	132.2	125.3	123.3
47.5°	3670.1	2431.3	192.3	154.9	147.9	143.0	137.1	127.2	115.4	107.5	105.5
50°	3860.5	2447.1	171.6	141.0	137.1	132.2	123.3	111.5	98.6	90.7	88.8
52.5°	3954.2	2376.0	154.9	128.2	125.3	120.3	109.5	96.7	82.9	75.0	73.0
55°	3996.6	2241.9	139.1	117.4	113.4	107.5	95.7	81.9	68.1	61.2	59.2
57.5°	3979.8	2043.7	125.3	106.5	101.6	94.7	81.9	67.1	56.2	49.3	48.3
60°	3855.5	1765.5	111.5	95.7	89.8	81.9	69.0	55.2	45.4	40.4	39.5
62.5°	3587.2	1420.3	97.6	82.9	78.9	71.0	59.2	45.4	37.5	34.5	33.5
65°	3037.9	1004.1	83.8	70.0	68.1	60.2	49.3	37.5	32.5	30.6	29.6
67.5°	2183.7	610.5	71.0	60.2	58.2	51.3	41.4	32.5	29.6	28.6	28.6
70°	1097.8	289.0	56.2	49.3	49.3	42.4	35.5	29.6	28.6	27.6	27.6
72.5°	372.8	123.3	42.4	38.5	40.4	36.5	30.6	27.6	27.6	27.6	27.6
75°	127.2	65.1	29.6	27.6	29.6	29.6	26.6	26.6	27.6	27.6	27.6
77.5°	82.9	43.4	20.7	18.7	22.7	22.7	22.7	24.7	26.6	26.6	26.6
80°	68.1	23.7	13.8	12.8	16.8	16.8	18.7	22.7	24.7	24.7	24.7
82.5°	58.2	14.8	7.9	8.9	11.8	12.8	15.8	18.7	21.7	22.7	22.7
85°	39.5	7.9	5.9	6.9	7.9	9.9	12.8	15.8	17.8	19.7	19.7
87.5°	10.8	3.0	3.9	4.9	4.9	6.9	9.9	11.8	13.8	14.8	14.8
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)