

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: P636298

Luminaire Tested: GWS-SA3F-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636298
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-SA3F-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17950.4 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

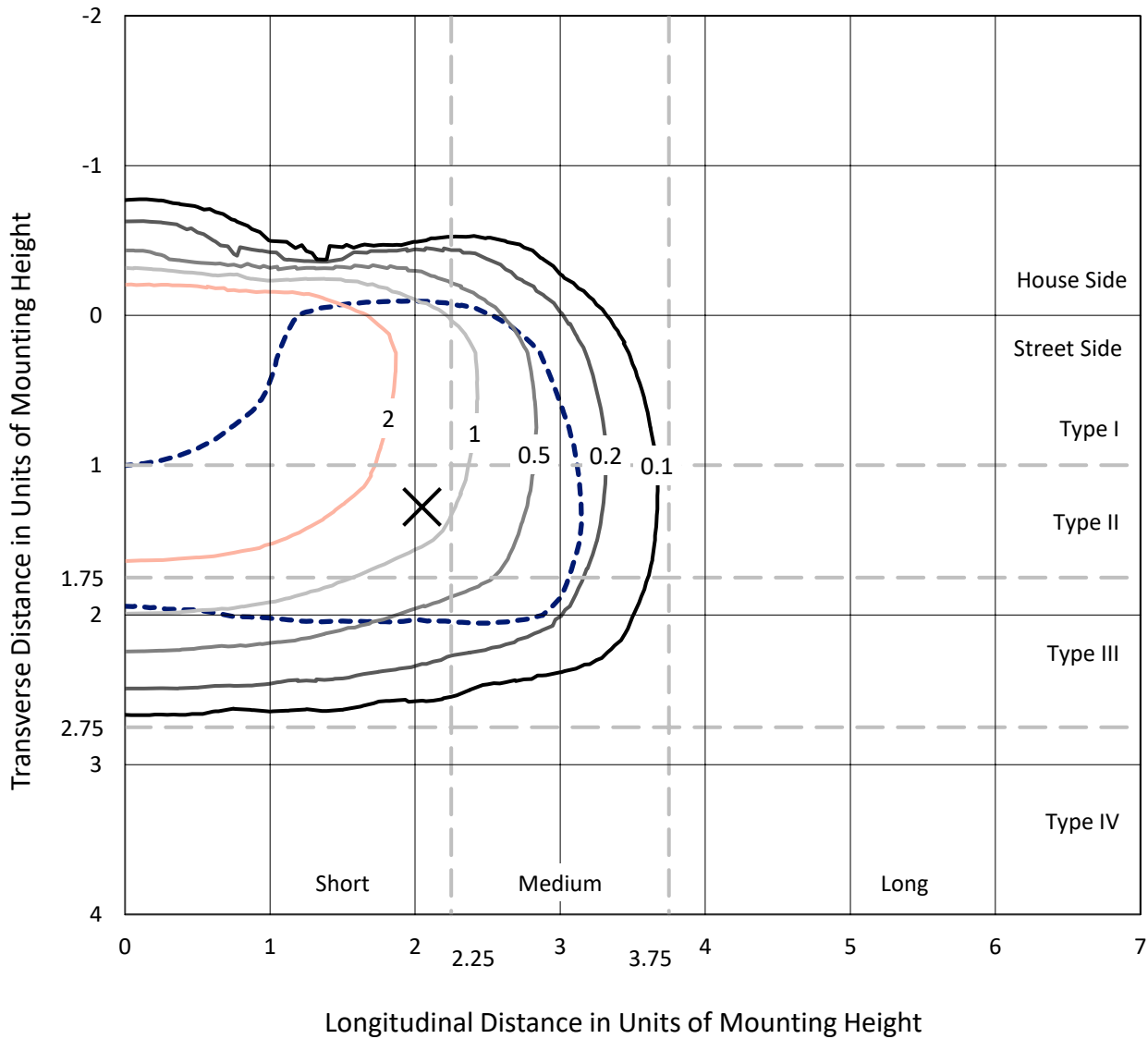
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

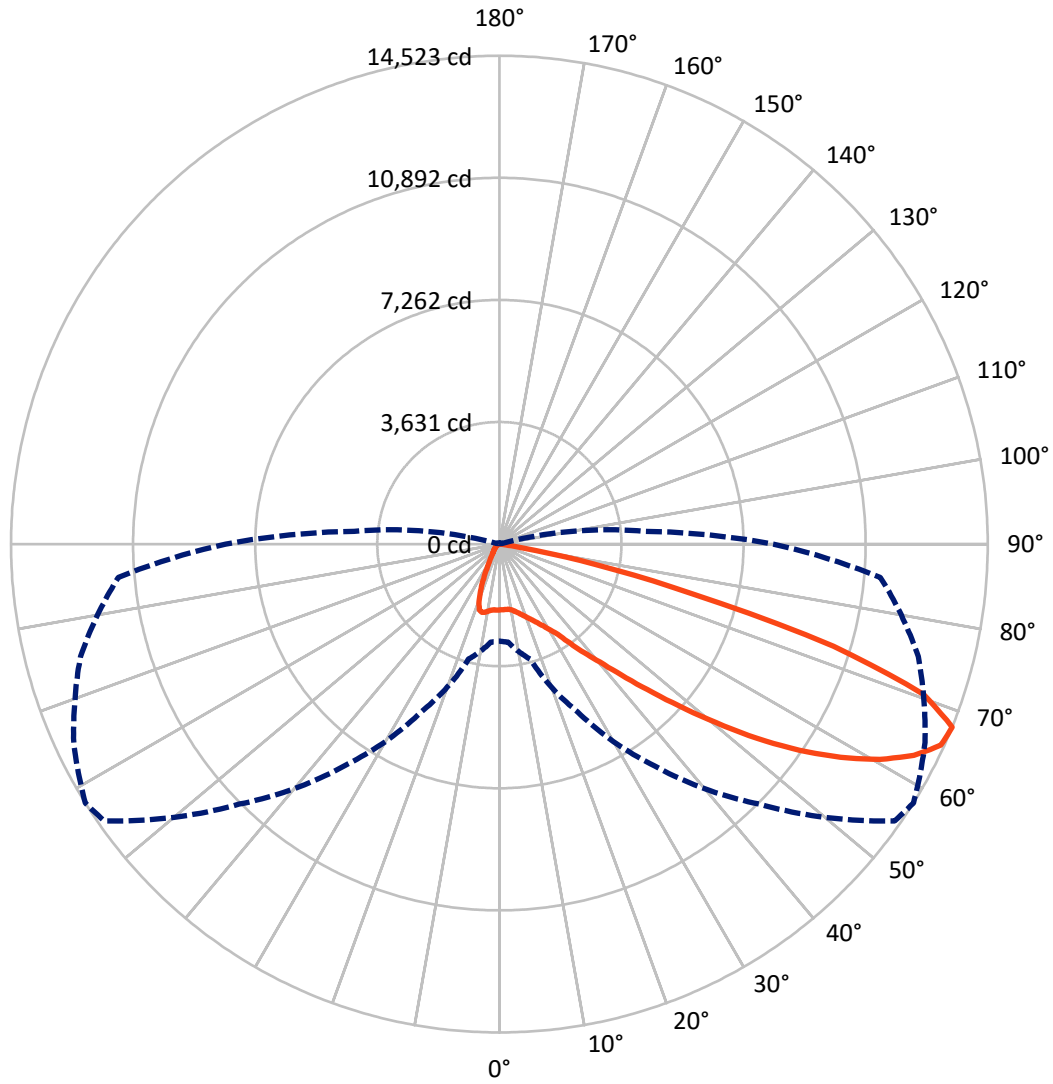
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	1958.4	0.0	1958.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	15992.1	0.0	15992.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	17950.4	0.0	17950.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	1.0
10°-20°	515.9	2.9
20°-30°	900.5	5.0
30°-40°	1608.2	9.0
40°-50°	2939.6	16.4
50°-60°	4888.8	27.2
60°-70°	5310.1	29.6
70°-80°	1559.1	8.7
80°-90°	44.4	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°	17950.4	100.0
0°-180°	17950.4	100.0

Coefficient of Utilization



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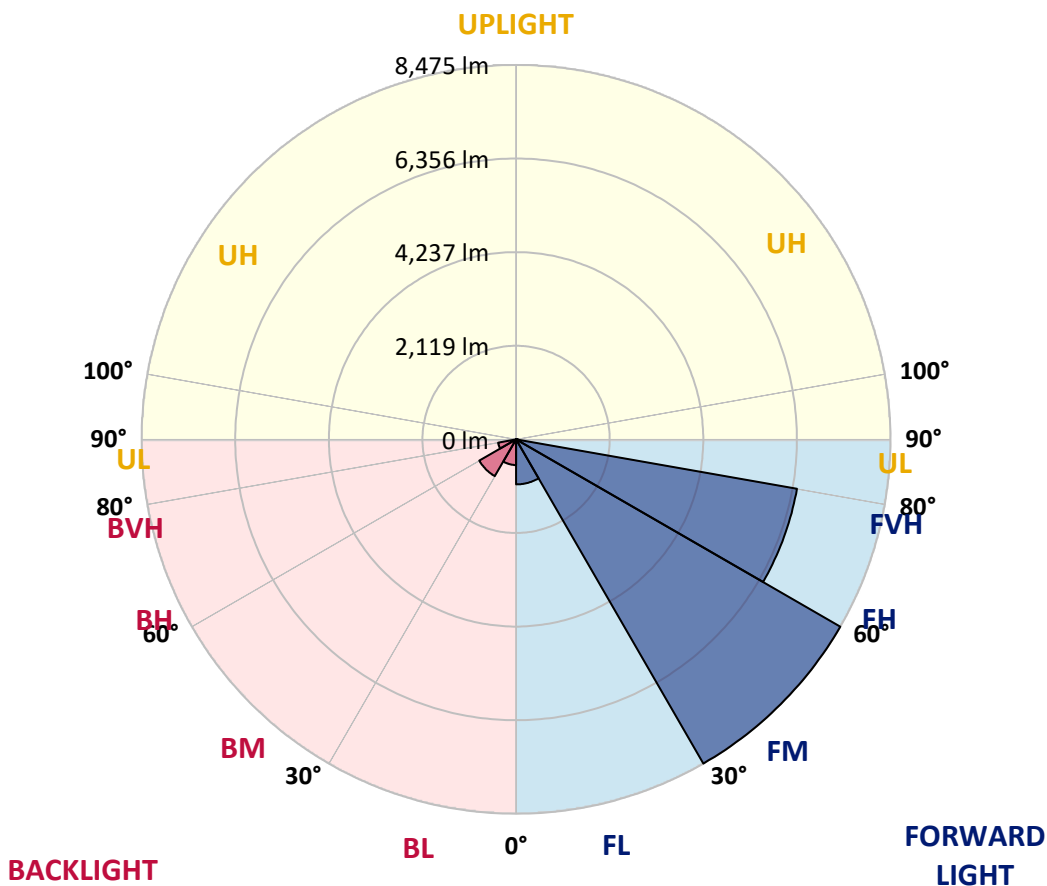
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1019.3	5.7			
FM (30°-60°)	8474.8	47.2			
FH (60°-80°)	6455.8	36.0			G3/7500
FVH (80°-90°)	42.2	0.2			G1/100
BL (0°-30°)	580.9	3.2	B2/1000		
BM (30°-60°)	961.9	5.4	B1/1000		
BH (60°-80°)	413.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1
2.5°	1919.2	1915.7	1915.7	1929.8	1931.5	1938.5	1954.3	1956.1	1964.8	1961.3	1949.0
5°	1819.3	1821.1	1831.6	1856.2	1877.2	1903.5	1942.0	1950.8	1970.1	1980.6	1973.6
7.5°	1726.4	1728.2	1744.0	1782.5	1822.8	1875.4	1938.5	1956.1	1994.6	2022.7	2024.4
10°	1691.4	1689.6	1705.4	1749.2	1801.8	1875.4	1966.6	1989.4	2047.2	2096.3	2105.0
12.5°	1701.9	1700.2	1715.9	1756.2	1814.1	1907.0	2015.7	2047.2	2120.8	2196.2	2212.0
15°	1744.0	1742.2	1752.7	1786.0	1849.1	1945.5	2078.7	2126.1	2219.0	2310.1	2334.6
17.5°	1870.2	1861.4	1850.9	1854.4	1891.2	1991.1	2159.4	2217.2	2332.9	2441.6	2462.6
20°	2094.5	2071.7	2043.7	2006.9	1989.4	2057.7	2252.3	2318.9	2459.1	2583.5	2587.0
22.5°	2432.8	2424.0	2359.2	2252.3	2176.9	2178.7	2360.9	2438.1	2609.8	2746.5	2727.3
25°	2904.3	2899.0	2799.1	2623.9	2427.5	2360.9	2499.4	2578.3	2788.6	2934.1	2872.7
27.5°	3489.7	3452.9	3335.5	3098.8	2806.1	2597.6	2674.7	2744.8	2977.9	3114.6	2998.9
30°	3999.8	4001.5	3891.1	3643.9	3314.4	2953.4	2888.5	2949.9	3151.4	3295.2	3154.9
32.5°	4490.5	4506.3	4385.4	4162.8	3801.7	3417.8	3195.2	3205.8	3374.0	3530.0	3360.0
35°	4946.2	4958.5	4874.4	4685.1	4348.5	3903.4	3622.9	3617.7	3708.8	3868.3	3645.7
37.5°	5456.3	5468.5	5386.2	5216.2	4900.7	4459.0	4108.4	4101.4	4138.2	4267.9	4013.8
40°	5999.6	6022.4	5931.3	5787.5	5486.1	5112.7	4672.8	4609.7	4572.9	4725.4	4490.5
42.5°	6550.0	6585.0	6553.5	6409.8	6152.1	5843.6	5405.4	5307.3	5228.4	5419.5	5170.6
45°	7233.6	7275.6	7261.6	7151.2	6951.4	6700.7	6287.1	6173.1	6136.3	6313.4	6017.2
47.5°	7890.8	7936.4	7987.2	7962.7	7820.7	7705.0	7245.8	7181.0	7170.5	7359.8	6900.5
50°	8379.8	8421.9	8616.5	8756.7	8853.1	8828.5	8430.7	8334.3	8318.5	8439.4	7833.0
52.5°	8730.4	8770.7	9038.9	9477.1	9831.1	10023.9	9622.5	9601.5	9515.6	9473.6	8705.9
55°	9002.1	9058.2	9340.3	10002.9	10716.2	11143.9	10893.3	10817.9	10597.1	10355.2	9515.6
57.5°	9056.4	9079.2	9477.1	10371.0	11403.3	12095.7	12095.7	11964.2	11538.3	11203.5	10451.6
60°	8569.1	8639.3	9177.3	10341.2	11697.8	12717.9	13093.0	13001.8	12426.9	12015.0	11352.5
62.5°	7487.7	7566.6	8222.1	9627.8	11403.3	12845.8	13848.4	13834.4	13185.9	12686.3	12099.2
65°	5742.0	5799.8	6371.2	8053.8	10158.9	12353.3	14388.2	14426.8	13785.3	13129.8	12356.8
67.5°	2885.0	2925.3	3542.3	5501.8	8052.1	10935.3	14351.4	14523.2	13967.6	12894.9	11373.5
70°	1007.8	1048.1	1339.1	2360.9	4900.7	8350.1	13110.5	13390.9	12896.7	11007.2	8390.4
72.5°	345.3	364.6	555.6	876.4	1907.0	4949.7	9969.6	10392.0	9506.9	7389.5	4821.8
75°	196.3	208.6	298.0	475.0	799.2	1628.3	5656.1	5915.5	5542.2	4027.8	1984.1
77.5°	133.2	143.7	185.8	269.9	441.7	524.1	2306.6	2904.3	2532.7	1314.6	506.5
80°	78.9	85.9	113.9	159.5	226.1	203.3	494.3	657.3	846.6	392.6	152.5
82.5°	36.8	42.1	73.6	105.2	113.9	85.9	145.5	177.0	238.4	192.8	63.1
85°	0.0	0.0	24.5	43.8	42.1	24.5	40.3	43.8	64.9	96.4	24.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	3.5	5.3	10.5	19.3	10.5
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°	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1
2.5°	1963.1	1950.8	1964.8	1957.8	1964.8	1963.1	1949.0	1940.3	1940.3	1924.5	1919.2
5°	1987.6	1975.3	1978.8	1963.1	1959.6	1950.8	1933.3	1926.3	1926.3	1910.5	1905.2
7.5°	2041.9	2022.7	2019.2	1987.6	1973.6	1949.0	1917.5	1905.2	1903.5	1887.7	1882.4
10°	2127.8	2105.0	2089.3	2049.0	2008.6	1959.6	1893.0	1836.9	1805.3	1763.3	1759.8
12.5°	2233.0	2204.9	2180.4	2119.1	2052.5	1942.0	1745.7	1540.7	1414.5	1314.6	1321.6
15°	2350.4	2324.1	2285.6	2192.7	2056.0	1768.5	1358.4	1042.9	888.6	806.3	802.8
17.5°	2478.4	2439.8	2376.7	2250.5	1945.5	1351.4	883.4	624.0	543.3	515.3	508.3
20°	2597.6	2550.2	2471.4	2262.8	1626.5	914.9	552.1	483.8	469.7	461.0	461.0
22.5°	2723.8	2664.2	2546.7	2168.1	1209.4	585.4	469.7	454.0	443.4	431.2	429.4
25°	2851.7	2774.6	2615.1	1921.0	792.2	461.0	439.9	422.4	403.1	383.8	378.6
27.5°	2960.4	2860.5	2667.7	1552.9	508.3	415.4	401.4	371.6	345.3	324.3	320.8
30°	3090.1	2962.1	2690.5	1135.8	399.6	366.3	345.3	313.7	282.2	261.2	254.1
32.5°	3263.6	3123.4	2655.4	739.7	354.1	322.5	289.2	252.4	220.8	198.1	194.6
35°	3533.5	3367.0	2494.1	471.5	320.8	278.7	238.4	199.8	173.5	156.0	152.5
37.5°	3863.0	3708.8	2229.5	354.1	287.4	241.9	194.6	157.7	138.5	126.2	122.7
40°	4352.1	4136.5	1901.7	310.2	254.1	205.1	159.5	129.7	115.7	105.2	101.7
42.5°	4986.5	4641.3	1524.9	282.2	222.6	171.8	129.7	106.9	94.6	87.6	85.9
45°	5728.0	5133.8	1127.0	254.1	192.8	142.0	106.9	87.6	78.9	73.6	71.9
47.5°	6486.9	5564.9	778.2	224.4	164.8	117.4	89.4	75.4	68.4	61.3	59.6
50°	7296.7	5929.5	531.1	194.6	140.2	96.4	77.1	68.4	59.6	54.3	52.6
52.5°	7890.8	6064.5	369.8	168.3	119.2	82.4	68.4	61.3	54.3	47.3	45.6
55°	8439.4	6061.0	280.4	142.0	101.7	71.9	61.3	54.3	47.3	42.1	40.3
57.5°	8986.3	6013.6	220.8	120.9	87.6	64.9	54.3	47.3	43.8	36.8	35.1
60°	9340.3	5834.9	171.8	101.7	75.4	56.1	47.3	42.1	36.8	31.5	29.8
62.5°	9527.9	5586.0	131.5	80.6	61.3	49.1	42.1	36.8	31.5	26.3	24.5
65°	9273.7	5144.3	103.4	63.1	47.3	42.1	35.1	29.8	24.5	19.3	17.5
67.5°	8146.7	4338.0	80.6	50.8	36.8	31.5	29.8	24.5	17.5	14.0	12.3
70°	5757.7	2970.9	63.1	38.6	28.0	24.5	22.8	19.3	14.0	10.5	8.8
72.5°	3160.2	1498.6	45.6	28.0	21.0	19.3	17.5	15.8	12.3	8.8	8.8
75°	1216.4	411.9	33.3	19.3	14.0	14.0	12.3	12.3	10.5	7.0	7.0
77.5°	317.2	122.7	21.0	12.3	8.8	8.8	8.8	7.0	7.0	5.3	5.3
80°	101.7	40.3	12.3	8.8	7.0	5.3	5.3	3.5	5.3	3.5	3.5
82.5°	33.3	14.0	7.0	7.0	5.3	3.5	3.5	1.8	1.8	0.0	0.0
85°	12.3	7.0	5.3	3.5	3.5	3.5	1.8	0.0	0.0	0.0	0.0
87.5°	7.0	3.5	3.5	3.5	3.5	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)