

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: P635562

Luminaire Tested: GWS-SA3E-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635562
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-SA3E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12763.3 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

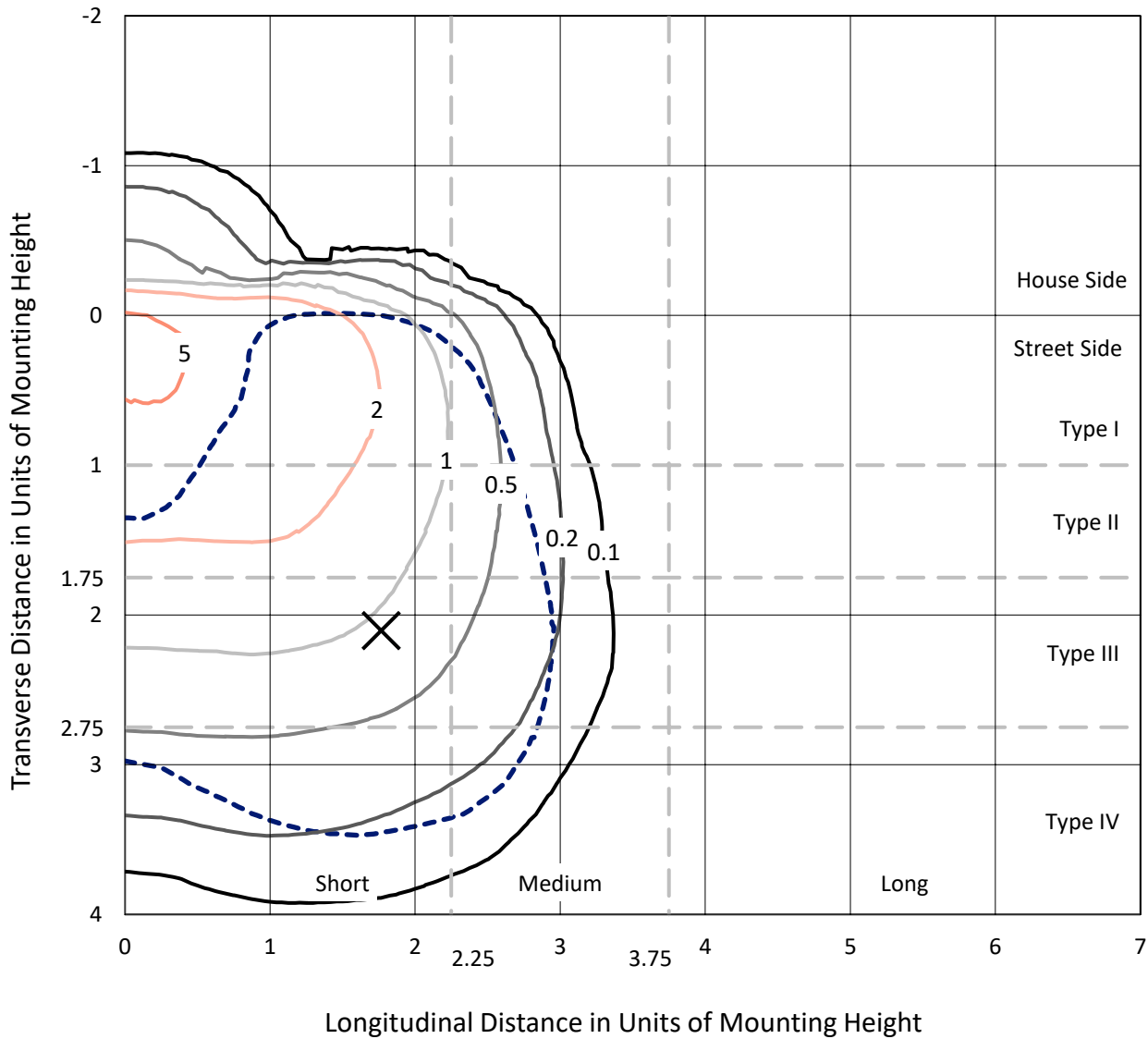
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635562
 CATALOG NUMBER: GWS-SA3E-722-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

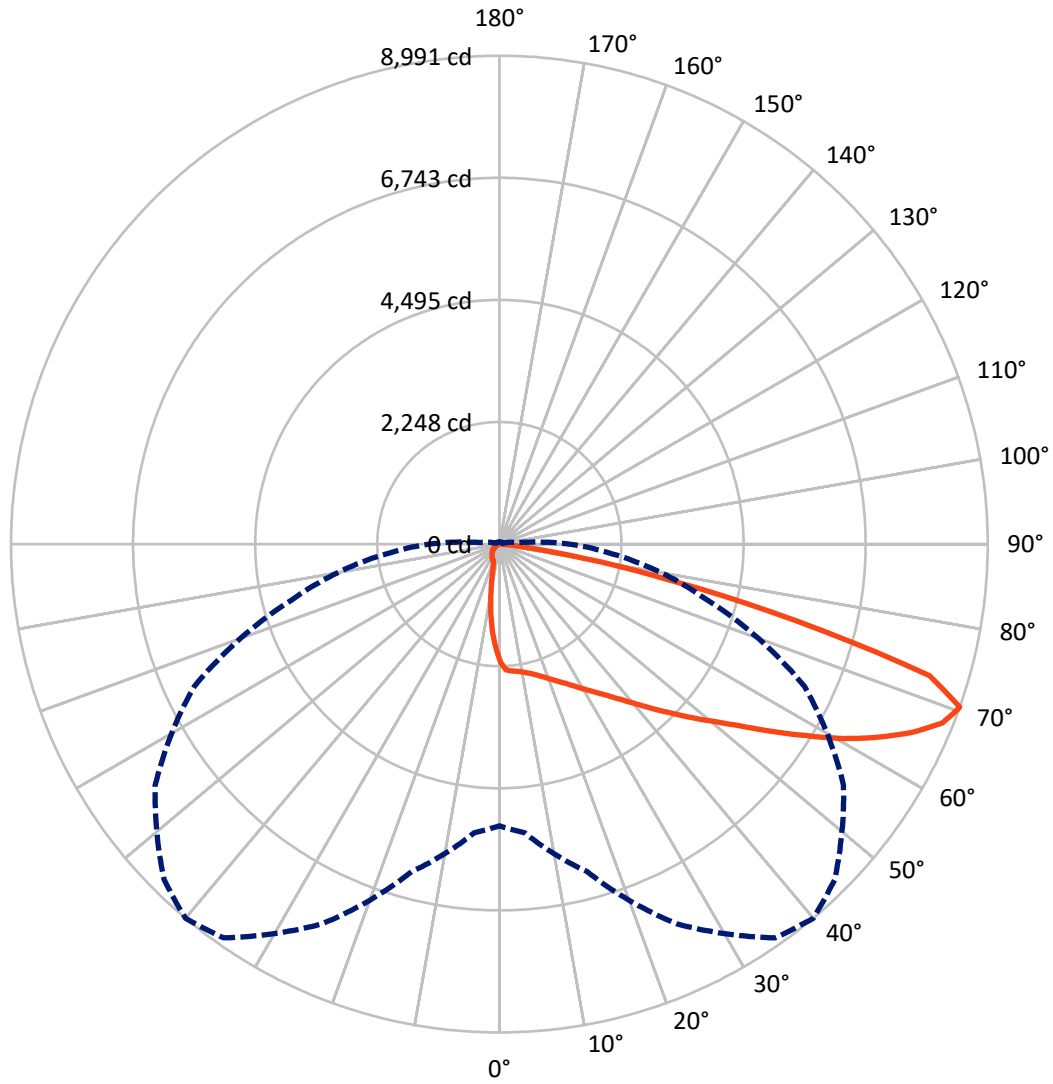
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P635562
CATALOG NUMBER: GWS-SA3E-722-U-SL4-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635562
 CATALOG NUMBER: GWS-SA3E-722-U-SL4-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1043.7	0.0	1043.7
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	11719.6	0.0	11719.6
	% Fixture	91.8	0.0	91.8
Total	Lumens	12763.3	0.0	12763.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	1.4
10°-20°	464.3	3.6
20°-30°	777.0	6.1
30°-40°	1220.4	9.6
40°-50°	1930.4	15.1
50°-60°	2816.0	22.1
60°-70°	3490.8	27.4
70°-80°	1766.1	13.8
80°-90°	115.3	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°	12763.3	100.0
0°-180°	12763.3	100.0

Coefficient of Utilization

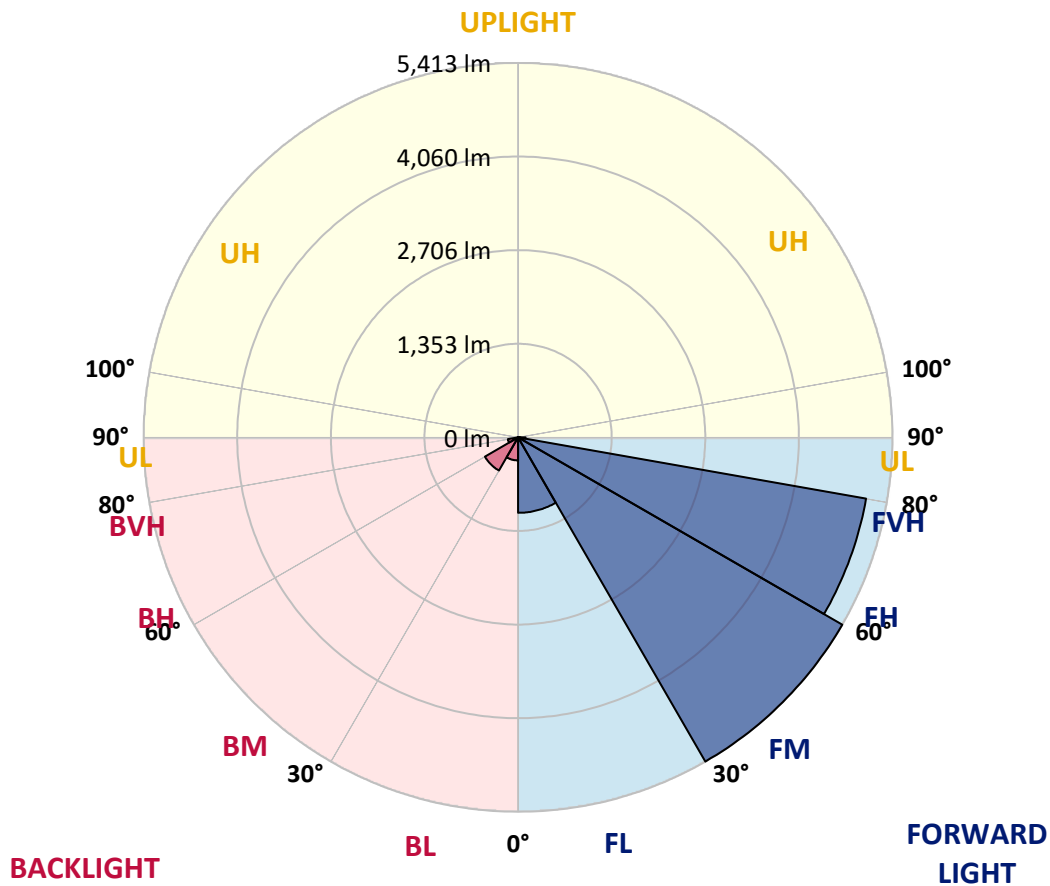


REPORT NUMBER: P635562
 CATALOG NUMBER: GWS-SA3E-722-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1091.0	8.5			
FM (30°-60°)	5412.8	42.4			
FH (60°-80°)	5108.1	40.0			G3/7500
FVH (80°-90°)	107.7	0.8			G2/225
BL (0°-30°)	333.3	2.6	B1/500		
BM (30°-60°)	554.0	4.3	B1/1000		
BH (60°-80°)	148.8	1.2	B1/500		G1/500
BVH (80°-90°)	7.6	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-G3
 Type IV Short





REPORT NUMBER: P635562

CATALOG NUMBER: GWS-SA3E-722-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8
2.5°	2328.4	2336.5	2335.3	2338.8	2330.7	2317.9	2315.6	2298.2	2266.8	2227.3	2183.2
5°	2376.0	2385.3	2378.3	2374.8	2359.7	2345.8	2342.3	2323.7	2287.7	2234.3	2157.7
7.5°	2416.6	2418.9	2414.3	2406.2	2384.1	2365.5	2352.7	2327.2	2284.2	2230.8	2142.6
10°	2423.6	2422.4	2424.7	2425.9	2412.0	2395.7	2385.3	2350.4	2295.8	2238.9	2143.7
12.5°	2415.5	2415.5	2430.5	2448.0	2448.0	2439.8	2429.4	2398.0	2334.2	2266.8	2166.9
15°	2425.9	2429.4	2458.4	2490.9	2501.4	2493.3	2488.6	2456.1	2389.9	2315.6	2208.7
17.5°	2463.1	2466.5	2513.0	2561.8	2574.5	2565.3	2556.0	2523.5	2452.6	2371.3	2256.4
20°	2517.6	2526.9	2586.2	2648.9	2660.5	2648.9	2630.3	2585.0	2514.2	2431.7	2301.6
22.5°	2617.5	2623.3	2687.2	2753.4	2759.2	2740.6	2712.7	2650.0	2575.7	2495.6	2352.7
25°	2749.9	2758.0	2821.9	2885.8	2870.7	2842.8	2804.5	2733.6	2648.9	2571.1	2417.8
27.5°	2907.8	2917.1	2979.8	3035.6	2996.1	2963.6	2920.6	2832.4	2746.4	2675.6	2501.4
30°	3078.5	3086.7	3142.4	3192.3	3140.1	3101.8	3050.7	2960.1	2873.0	2819.6	2619.8
32.5°	3243.4	3242.3	3295.7	3336.3	3282.9	3252.7	3206.3	3114.5	3044.9	3021.6	2796.4
35°	3396.7	3396.7	3440.9	3481.5	3443.2	3426.9	3384.0	3310.8	3271.3	3299.2	3032.1
37.5°	3551.2	3543.1	3584.9	3630.1	3626.7	3627.8	3603.4	3568.6	3570.9	3669.6	3356.1
40°	3678.9	3675.4	3724.2	3783.4	3829.9	3867.0	3852.0	3864.7	3937.9	4122.5	3770.7
42.5°	3781.1	3789.2	3852.0	3946.0	4063.3	4138.8	4149.2	4201.5	4389.6	4675.3	4238.7
45°	3898.4	3899.6	3986.7	4130.7	4317.6	4437.2	4479.0	4613.7	4880.8	5249.0	4751.9
47.5°	4042.4	4028.5	4126.0	4328.1	4598.7	4775.2	4849.5	5017.9	5431.3	5808.7	5170.0
50°	4201.5	4175.9	4286.3	4561.5	4913.4	5134.0	5285.0	5531.2	5977.1	6268.6	5481.2
52.5°	4386.1	4361.8	4487.2	4829.7	5290.8	5559.0	5753.0	6001.5	6445.1	6619.3	5667.0
55°	4620.7	4596.3	4728.7	5151.4	5736.7	6085.1	6288.3	6497.3	6880.6	6878.2	5801.7
57.5°	4880.8	4847.2	5030.6	5557.9	6293.0	6655.3	6862.0	6964.2	7211.5	7079.1	5892.3
60°	5179.3	5149.1	5403.4	6042.1	6935.1	7270.7	7400.8	7359.0	7483.3	7197.6	5861.0
62.5°	5448.7	5434.8	5750.6	6555.4	7547.1	7830.5	7866.5	7684.2	7683.0	7199.9	5649.6
65°	5728.6	5755.3	6224.4	7146.5	8162.6	8353.1	8291.5	8007.0	7763.1	6915.4	5024.8
67.5°	5833.1	5910.9	6536.8	7680.7	8648.0	8796.7	8688.7	8168.4	7429.8	5958.5	3826.4
70°	5187.4	5333.7	6241.9	7710.9	8848.9	8990.6	8731.6	7734.1	6194.2	3947.2	2096.1
72.5°	3944.9	4115.6	5201.4	6313.9	7958.2	8281.1	7838.6	6301.1	3992.5	1729.1	703.7
75°	2207.6	2392.2	3874.0	4754.3	5343.0	5638.0	5475.4	4042.4	1768.6	451.7	210.2
77.5°	746.7	808.2	1802.3	2941.5	3526.8	3262.0	2761.5	2007.8	650.3	171.9	111.5
80°	442.4	465.7	671.2	1464.4	1855.7	1538.7	1214.7	742.1	331.0	91.7	77.8
82.5°	132.4	156.8	370.4	543.5	727.0	452.9	383.2	423.9	171.9	49.9	65.0
85°	0.0	0.0	79.0	168.4	190.4	74.3	74.3	240.4	31.4	20.9	47.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.8	3.5	4.6	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



REPORT NUMBER: P635562
 CATALOG NUMBER: GWS-SA3E-722-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8	2165.8
2.5°	2151.8	2111.2	2063.6	2018.3	1975.3	1919.6	1892.9	1860.4	1832.5	1817.4	1825.5
5°	2108.9	2045.0	1947.5	1848.8	1748.9	1654.8	1570.0	1513.1	1462.0	1435.3	1441.1
7.5°	2071.7	1985.8	1833.7	1672.2	1512.0	1350.6	1219.3	1117.1	1038.2	1005.7	999.9
10°	2055.5	1947.5	1732.6	1500.4	1254.2	1037.0	851.2	738.6	658.4	619.0	625.9
12.5°	2063.6	1927.7	1646.7	1332.0	1012.6	759.5	581.8	476.1	419.2	396.0	390.2
15°	2086.8	1923.1	1570.0	1160.1	781.5	530.7	401.8	358.8	347.2	344.9	344.9
17.5°	2113.5	1924.2	1491.1	985.9	593.4	393.7	343.7	335.6	332.1	329.8	331.0
20°	2140.2	1924.2	1400.5	809.4	445.9	340.3	327.5	321.7	318.2	317.0	317.0
22.5°	2172.7	1924.2	1299.5	645.7	357.7	322.8	312.4	308.9	305.4	304.3	303.1
25°	2212.2	1925.4	1188.0	505.2	325.2	307.7	299.6	296.1	292.6	290.3	290.3
27.5°	2269.1	1934.7	1064.9	393.7	306.6	293.8	286.8	283.4	279.9	276.4	276.4
30°	2351.6	1957.9	926.7	325.2	289.2	278.7	271.7	269.4	265.9	262.4	261.3
32.5°	2474.7	1998.6	783.9	291.5	272.9	262.4	254.3	252.0	248.5	245.0	243.9
35°	2646.5	2072.9	644.5	270.6	252.0	241.5	236.9	235.7	231.1	227.6	227.6
37.5°	2898.5	2193.6	511.0	249.7	234.6	226.4	220.6	218.3	213.7	210.2	209.0
40°	3206.3	2350.4	397.2	233.4	218.3	210.2	204.4	200.9	195.1	190.4	188.1
42.5°	3598.8	2542.0	313.5	216.0	203.2	195.1	190.4	183.5	175.4	168.4	167.2
45°	4007.6	2739.4	259.0	199.7	189.3	182.3	176.5	167.2	155.6	147.5	145.2
47.5°	4321.1	2862.5	226.4	182.3	174.2	168.4	161.4	149.8	135.9	126.6	124.3
50°	4545.2	2881.1	202.1	166.1	161.4	155.6	145.2	131.2	116.1	106.8	104.5
52.5°	4655.6	2797.5	182.3	151.0	147.5	141.7	128.9	113.8	97.5	88.3	85.9
55°	4705.5	2639.6	163.7	138.2	133.5	126.6	112.6	96.4	80.1	72.0	69.7
57.5°	4685.7	2406.2	147.5	125.4	119.6	111.5	96.4	79.0	66.2	58.1	56.9
60°	4539.4	2078.7	131.2	112.6	105.7	96.4	81.3	65.0	53.4	47.6	46.5
62.5°	4223.6	1672.2	115.0	97.5	92.9	83.6	69.7	53.4	44.1	40.6	39.5
65°	3576.7	1182.2	98.7	82.5	80.1	70.8	58.1	44.1	38.3	36.0	34.8
67.5°	2571.1	718.8	83.6	70.8	68.5	60.4	48.8	38.3	34.8	33.7	33.7
70°	1292.5	340.3	66.2	58.1	58.1	49.9	41.8	34.8	33.7	32.5	32.5
72.5°	439.0	145.2	49.9	45.3	47.6	43.0	36.0	32.5	32.5	32.5	32.5
75°	149.8	76.6	34.8	32.5	34.8	34.8	31.4	31.4	32.5	32.5	32.5
77.5°	97.5	51.1	24.4	22.1	26.7	26.7	26.7	29.0	31.4	31.4	31.4
80°	80.1	27.9	16.3	15.1	19.7	19.7	22.1	26.7	29.0	29.0	29.0
82.5°	68.5	17.4	9.3	10.5	13.9	15.1	18.6	22.1	25.5	26.7	26.7
85°	46.5	9.3	7.0	8.1	9.3	11.6	15.1	18.6	20.9	23.2	23.2
87.5°	12.8	3.5	4.6	5.8	5.8	8.1	11.6	13.9	16.3	17.4	17.4
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)