

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: P634915

Luminaire Tested: GWS-SA3C-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10542 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

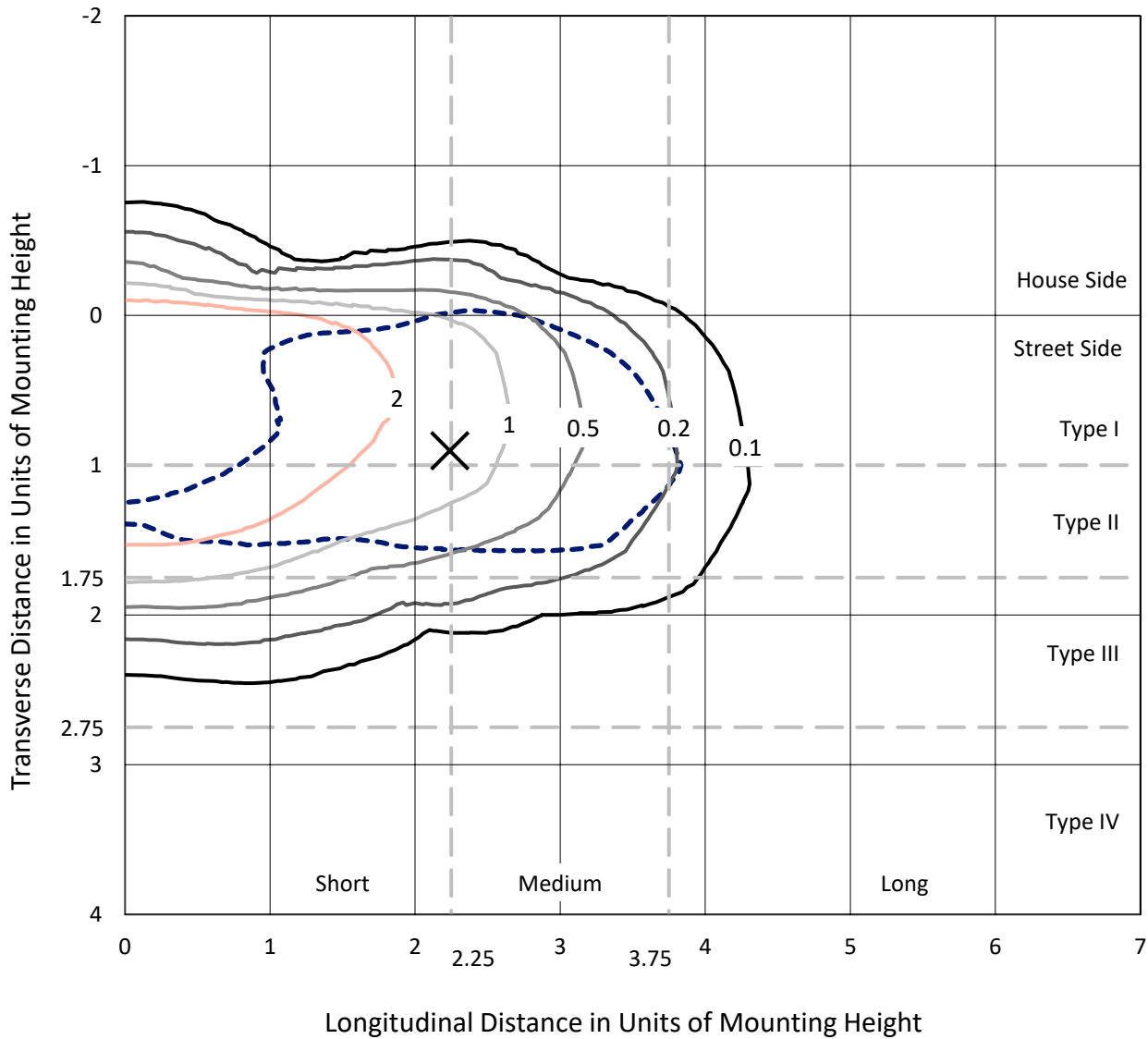
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

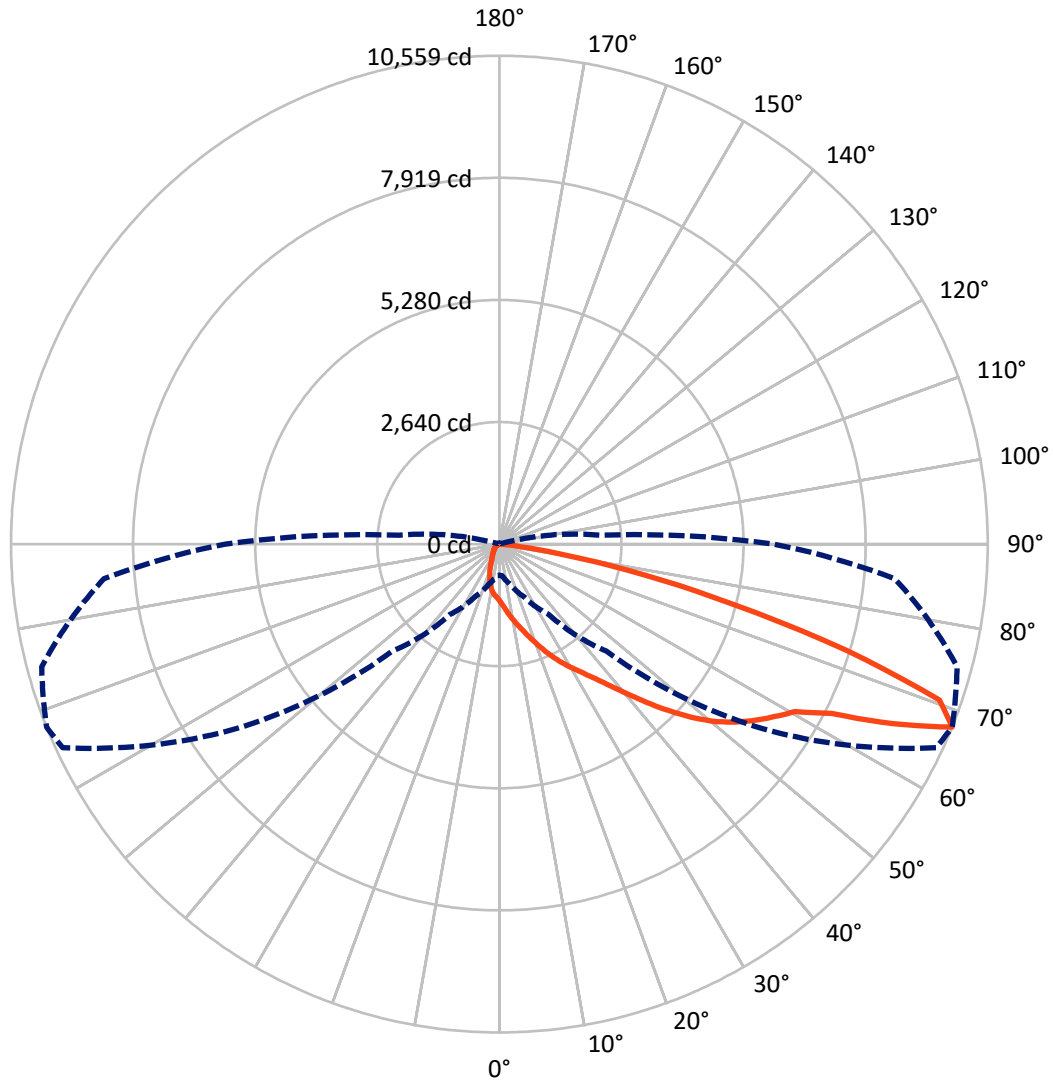
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

REPORT NUMBER: P634915
CATALOG NUMBER: GWS-SA3C-760-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.3	0.0	761.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	9780.7	0.0	9780.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	10542.0	0.0	10542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.1
10°-20°	343.6	3.3
20°-30°	590.5	5.6
30°-40°	1026.6	9.7
40°-50°	1791.4	17.0
50°-60°	2701.8	25.6
60°-70°	2709.3	25.7
70°-80°	1195.3	11.3
80°-90°	63.8	0.6
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°	10542.0	100.0
0°-180°	10542.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634915

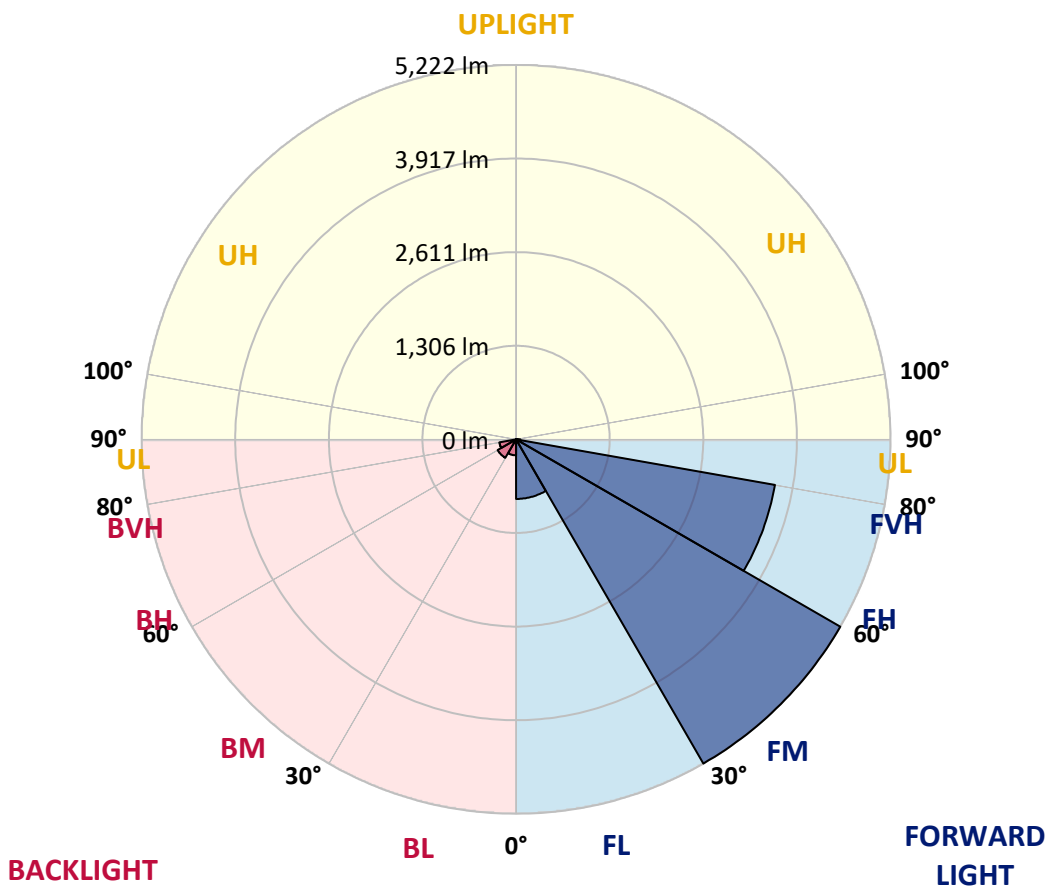
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.0	7.9			
FM (30°-60°)	5222.5	49.5			
FH (60°-80°)	3667.0	34.8			G2/5000
FVH (80°-90°)	60.2	0.6			G1/100
BL (0°-30°)	222.7	2.1	B1/500		
BM (30°-60°)	297.4	2.8	B1/1000		
BH (60°-80°)	237.6	2.3	B1/500		G1/500
BVH (80°-90°)	3.6	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 II Short





REPORT NUMBER: P634915

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8
2.5°	1428.6	1437.7	1428.6	1430.6	1404.4	1392.3	1366.0	1329.7	1320.6	1297.4	1262.1
5°	1603.1	1611.2	1602.1	1600.1	1569.8	1547.7	1504.3	1441.7	1423.6	1378.2	1308.5
7.5°	1698.0	1703.0	1706.0	1711.1	1700.0	1681.8	1642.5	1564.8	1545.6	1472.0	1374.1
10°	1708.1	1712.1	1727.2	1757.5	1779.7	1790.8	1768.6	1697.0	1666.7	1595.1	1454.8
12.5°	1679.8	1685.9	1710.1	1760.5	1822.1	1878.6	1892.7	1830.1	1802.9	1711.1	1549.7
15°	1642.5	1647.5	1680.8	1749.4	1842.2	1946.2	2004.7	1977.4	1947.2	1851.3	1654.6
17.5°	1585.0	1592.0	1638.5	1731.3	1851.3	1999.6	2125.7	2134.8	2113.6	2009.7	1770.6
20°	1552.7	1557.7	1599.1	1694.9	1845.3	2039.0	2238.7	2324.5	2301.3	2192.3	1903.8
22.5°	1579.9	1584.0	1611.2	1685.9	1825.1	2061.2	2343.7	2514.2	2501.1	2388.1	2044.0
25°	1723.2	1736.3	1720.2	1733.3	1834.2	2073.3	2428.4	2703.8	2706.9	2592.9	2189.3
27.5°	2013.8	1996.6	1958.3	1892.7	1904.8	2105.6	2501.1	2882.4	2908.7	2792.6	2318.4
30°	2309.4	2299.3	2276.1	2174.2	2089.4	2177.2	2562.6	3065.0	3106.4	2989.4	2433.5
32.5°	2641.3	2651.4	2610.0	2487.9	2343.7	2322.5	2626.2	3238.6	3316.2	3212.3	2568.7
35°	3037.8	3040.8	2959.1	2823.9	2660.5	2562.6	2740.2	3430.3	3573.5	3496.8	2749.2
37.5°	3424.2	3442.4	3398.0	3185.1	3039.8	2861.2	2928.8	3676.4	3878.2	3847.9	2976.3
40°	3766.2	3794.5	3780.3	3574.5	3383.8	3233.5	3221.4	3965.0	4246.5	4280.8	3275.9
42.5°	4038.6	4056.8	4067.9	3921.6	3753.1	3668.4	3582.6	4299.9	4681.3	4821.5	3643.1
45°	4326.2	4332.2	4355.4	4256.5	4109.2	4116.3	4009.4	4706.5	5139.3	5420.8	4064.9
47.5°	4692.4	4712.6	4701.5	4597.6	4464.4	4544.1	4450.3	5125.2	5591.3	6060.5	4496.7
50°	5138.3	5159.5	5149.4	5028.4	4880.0	4913.3	4854.8	5531.8	6027.2	6663.8	4855.8
52.5°	5368.3	5385.5	5510.6	5565.1	5487.4	5275.5	5199.9	5978.7	6395.4	7160.2	5185.7
55°	5257.4	5269.5	5541.9	5771.9	6056.4	5844.5	5546.9	6323.8	6720.3	7547.6	5430.9
57.5°	4797.3	4862.9	5233.2	5622.6	6220.9	6406.5	6109.9	6699.1	7033.0	7816.9	5672.0
60°	3854.0	3851.0	4381.6	5080.8	5900.0	6560.9	6904.9	7206.6	7346.8	8023.8	5994.9
62.5°	2129.8	2149.0	2855.2	3776.3	5008.2	6161.3	7501.2	8083.3	8062.1	8385.0	6500.3
65°	1060.4	1098.7	1482.1	2163.1	3332.4	5091.9	7604.1	9421.1	9360.6	9235.5	7544.5
67.5°	672.9	688.1	899.9	1257.1	1852.3	3272.9	6963.4	10418.9	10559.1	10244.4	8580.7
70°	435.8	461.1	625.5	859.6	1117.9	1686.9	5101.0	9772.2	10094.0	10133.4	7935.0
72.5°	237.1	255.3	399.5	613.4	807.1	843.4	2865.3	7333.7	7851.2	8595.8	6207.8
75°	135.2	148.3	218.9	416.7	592.2	513.5	1270.2	4909.3	5239.2	6143.2	4448.2
77.5°	81.7	92.8	123.1	202.8	371.3	343.0	480.2	2988.4	3198.2	3665.3	2334.6
80°	37.3	44.4	77.7	112.0	202.8	162.4	183.6	1393.3	1438.7	1504.3	772.8
82.5°	17.2	20.2	35.3	66.6	115.0	93.8	70.6	321.8	453.0	428.8	196.7
85°	2.0	2.0	13.1	27.2	32.3	24.2	29.3	72.6	91.8	129.1	56.5
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	6.1	9.1	13.1	21.2	14.1
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°	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8
2.5°	1246.0	1217.7	1192.5	1155.2	1130.0	1101.7	1082.5	1059.3	1050.3	1043.2	1033.1
5°	1274.2	1228.8	1167.3	1098.7	1042.2	988.7	939.3	907.0	878.8	874.7	860.6
7.5°	1320.6	1253.1	1149.1	1037.1	941.3	852.5	782.9	726.4	698.2	689.1	672.9
10°	1382.2	1289.4	1121.9	950.4	812.2	706.2	627.5	564.0	519.6	503.4	491.3
12.5°	1450.8	1322.7	1078.5	843.4	686.1	565.0	465.1	397.5	369.3	359.2	350.1
15°	1529.5	1353.9	1009.9	736.5	563.0	415.7	345.0	315.8	303.7	300.7	297.6
17.5°	1605.2	1374.1	928.2	625.5	432.8	322.8	289.6	278.5	275.4	272.4	270.4
20°	1690.9	1388.2	832.3	520.6	336.0	273.4	257.3	249.2	243.1	237.1	236.1
22.5°	1778.7	1388.2	728.4	417.7	281.5	245.2	227.0	211.9	200.8	194.7	192.7
25°	1862.4	1369.1	625.5	333.9	248.2	217.9	194.7	177.6	162.4	155.4	153.4
27.5°	1922.0	1319.6	535.7	282.5	225.0	193.7	165.5	146.3	134.2	127.1	126.1
30°	1959.3	1246.0	453.0	252.2	204.8	168.5	140.2	124.1	115.0	110.0	108.0
32.5°	1987.5	1155.2	379.3	231.0	185.6	146.3	122.1	109.0	100.9	96.9	95.8
35°	2044.0	1069.4	324.9	211.9	165.5	128.1	106.9	96.9	90.8	85.8	84.7
37.5°	2122.7	997.8	281.5	194.7	146.3	114.0	96.9	87.8	82.7	77.7	76.7
40°	2238.7	952.4	249.2	177.6	129.1	102.9	88.8	80.7	73.6	68.6	67.6
42.5°	2417.3	931.2	228.0	160.4	114.0	92.8	81.7	71.6	64.6	59.5	58.5
45°	2630.2	942.3	209.9	143.3	103.9	85.8	72.6	62.6	55.5	50.4	49.4
47.5°	2858.2	981.7	194.7	127.1	93.8	78.7	64.6	53.5	47.4	42.4	41.4
50°	3096.3	1046.2	181.6	112.0	85.8	70.6	55.5	46.4	40.4	36.3	35.3
52.5°	3303.1	1134.0	168.5	100.9	78.7	62.6	48.4	40.4	34.3	30.3	29.3
55°	3500.9	1216.7	158.4	90.8	70.6	54.5	42.4	34.3	29.3	25.2	24.2
57.5°	3715.8	1304.5	146.3	81.7	63.6	48.4	37.3	29.3	25.2	21.2	20.2
60°	4028.5	1434.7	128.1	74.7	55.5	42.4	32.3	26.2	22.2	17.2	16.1
62.5°	4479.5	1671.7	108.0	64.6	47.4	36.3	27.2	22.2	18.2	14.1	12.1
65°	5322.9	2075.3	88.8	53.5	38.3	30.3	23.2	18.2	14.1	10.1	9.1
67.5°	5930.3	2180.2	71.6	43.4	31.3	23.2	19.2	14.1	10.1	7.1	6.1
70°	5184.7	1565.8	55.5	35.3	26.2	18.2	15.1	11.1	7.1	5.0	4.0
72.5°	3906.5	1023.0	41.4	27.2	20.2	15.1	11.1	9.1	6.1	4.0	3.0
75°	2753.3	591.2	30.3	20.2	14.1	11.1	9.1	7.1	5.0	3.0	3.0
77.5°	1411.4	244.2	21.2	14.1	10.1	7.1	6.1	4.0	4.0	3.0	2.0
80°	428.8	80.7	12.1	9.1	7.1	5.0	3.0	3.0	3.0	2.0	1.0
82.5°	97.9	26.2	7.1	7.1	5.0	4.0	3.0	1.0	1.0	0.0	0.0
85°	25.2	8.1	6.1	5.0	5.0	4.0	2.0	1.0	0.0	0.0	0.0
87.5°	9.1	5.0	5.0	5.0	4.0	3.0	2.0	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)