

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: P632095

Luminaire Tested: GWS-SA2C-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632095
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-SA2C-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5521.6 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

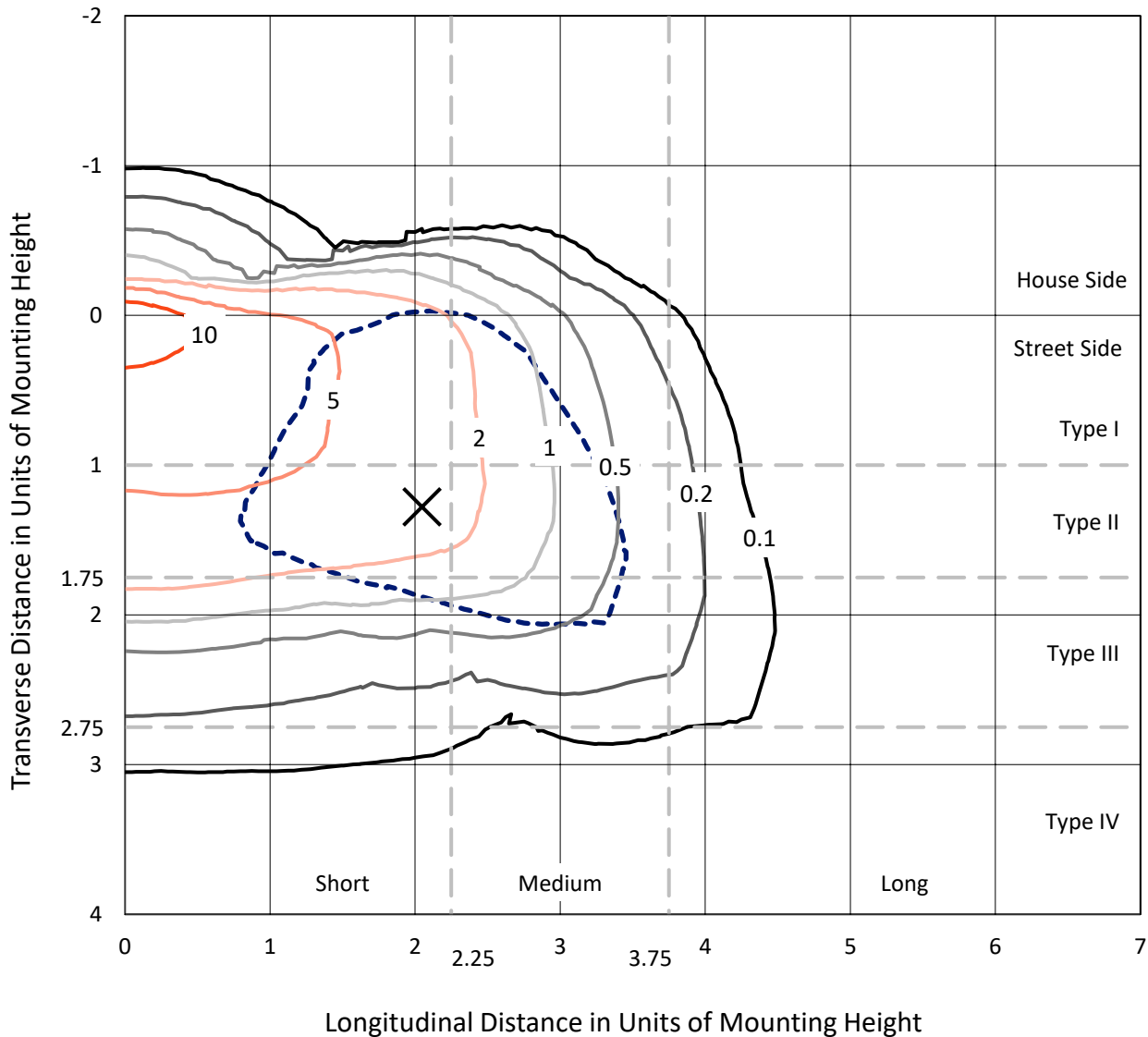
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

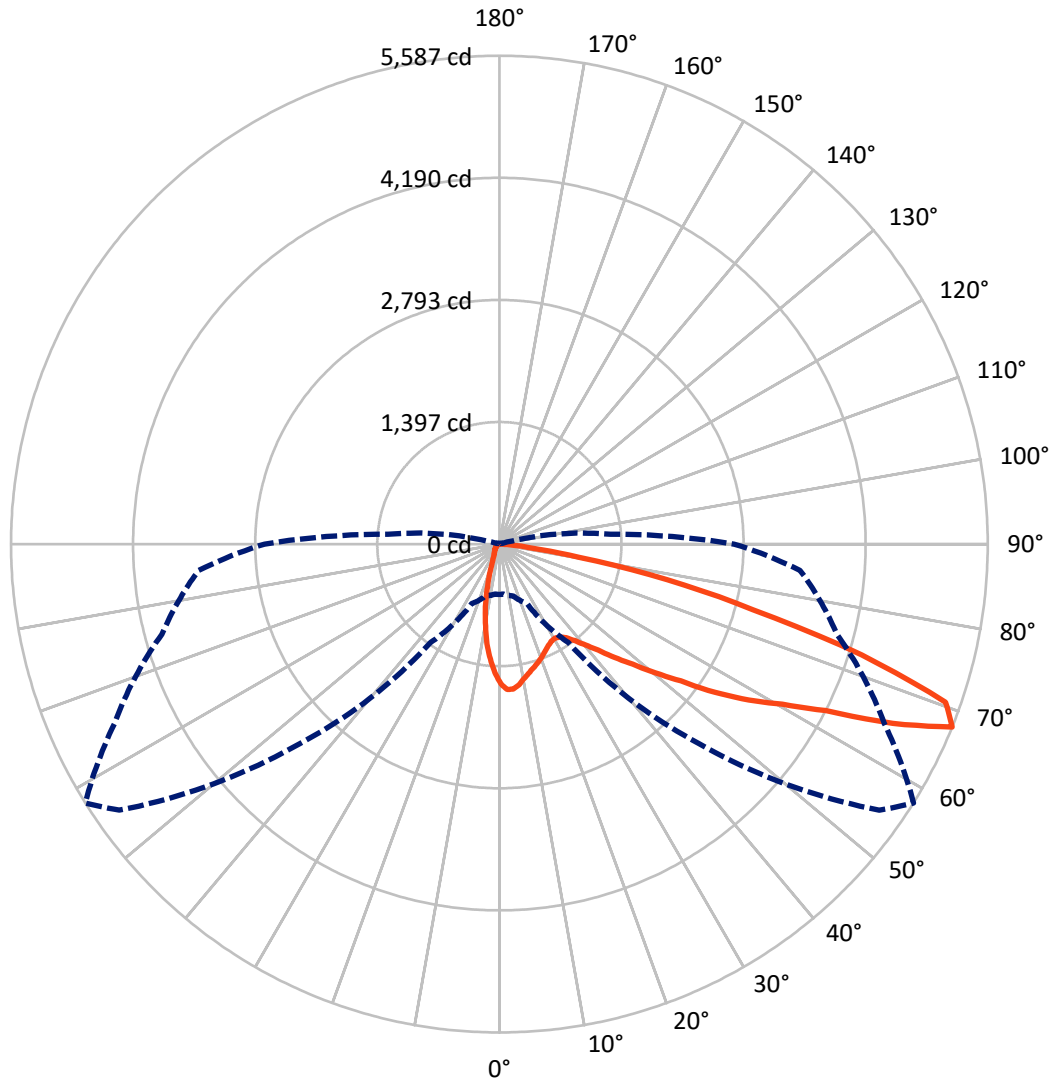
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 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	539.4	0.0	539.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4982.2	0.0	4982.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	5521.6	0.0	5521.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	2.3
10°-20°	269.4	4.9
20°-30°	363.3	6.6
30°-40°	510.5	9.2
40°-50°	788.5	14.3
50°-60°	1260.9	22.8
60°-70°	1493.0	27.0
70°-80°	660.4	12.0
80°-90°	46.2	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°	5521.6	100.0
0°-180°	5521.6	100.0

Coefficient of Utilization



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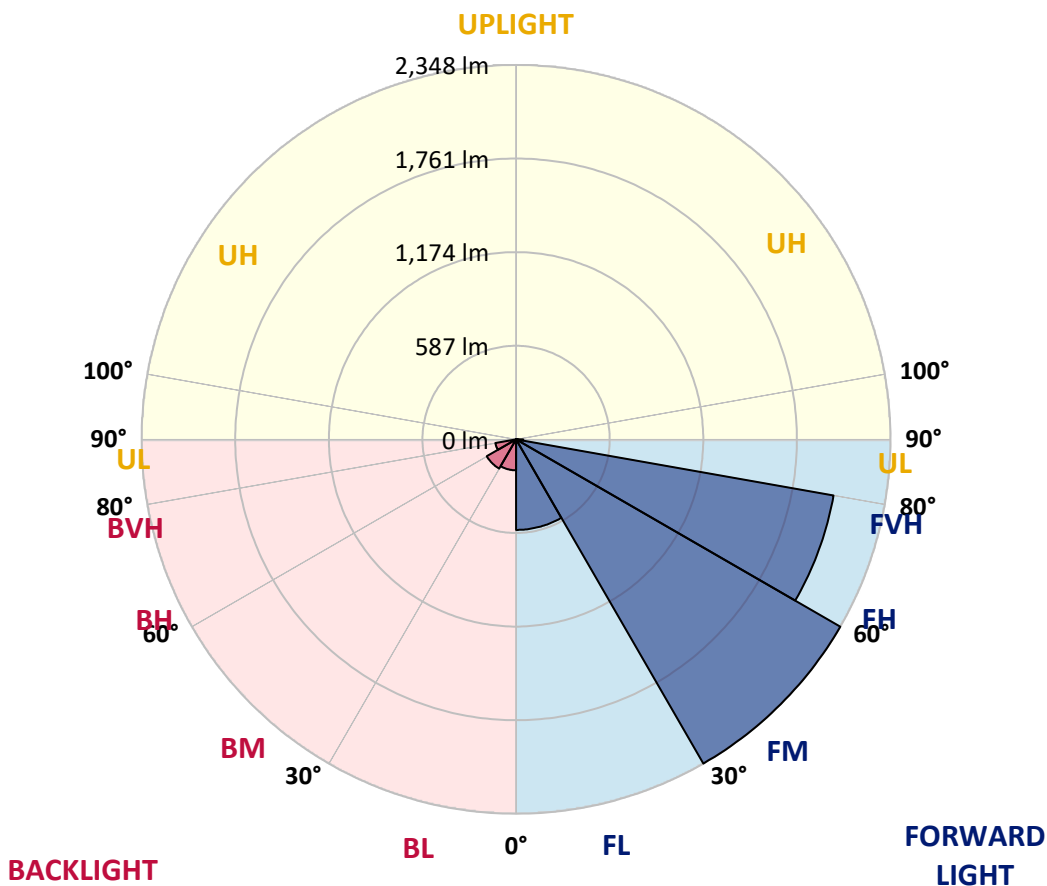
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	568.0	10.3			
FM (30°-60°)	2348.2	42.5			
FH (60°-80°)	2021.7	36.6			G2/5000
FVH (80°-90°)	44.2	0.8			G1/100
BL (0°-30°)	194.1	3.5	B1/500		
BM (30°-60°)	211.6	3.8	B0/220		
BH (60°-80°)	131.7	2.4	B1/500		G1/500
BVH (80°-90°)	2.0	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°	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7
2.5°	1675.3	1678.2	1682.1	1687.0	1686.0	1681.6	1676.3	1664.0	1656.2	1631.8	1602.0
5°	1621.5	1621.0	1630.8	1640.1	1656.7	1665.5	1677.7	1666.5	1662.6	1633.3	1584.9
7.5°	1516.5	1521.8	1533.1	1547.7	1571.7	1597.6	1626.9	1623.5	1635.2	1615.7	1555.5
10°	1413.3	1410.4	1428.0	1450.0	1486.6	1519.9	1562.4	1561.9	1592.7	1590.7	1522.3
12.5°	1322.9	1322.4	1336.1	1361.0	1404.0	1450.5	1508.1	1509.6	1547.7	1563.4	1494.0
15°	1246.7	1247.7	1260.9	1286.8	1331.2	1387.9	1454.9	1467.1	1510.1	1541.9	1466.1
17.5°	1192.4	1192.9	1200.7	1223.2	1266.7	1327.3	1408.0	1424.6	1479.8	1525.7	1443.6
20°	1167.5	1165.6	1167.0	1178.3	1212.0	1267.2	1360.1	1381.6	1451.9	1514.5	1423.1
22.5°	1170.9	1168.0	1161.2	1159.7	1174.8	1216.9	1309.2	1335.6	1421.6	1507.7	1404.5
25°	1201.2	1194.9	1185.1	1170.4	1164.6	1185.6	1264.8	1292.1	1393.3	1508.1	1390.4
27.5°	1247.7	1240.8	1228.6	1209.1	1186.1	1177.3	1234.5	1260.4	1373.3	1519.4	1383.5
30°	1306.8	1301.4	1289.7	1266.2	1235.4	1199.3	1228.1	1249.6	1363.5	1542.4	1386.5
32.5°	1376.7	1372.8	1363.0	1341.5	1306.3	1251.1	1249.6	1266.2	1371.3	1575.6	1397.7
35°	1444.1	1445.6	1446.1	1434.3	1396.7	1329.8	1308.8	1314.6	1403.6	1625.4	1423.1
37.5°	1516.9	1513.5	1531.1	1539.4	1503.3	1431.9	1400.1	1400.6	1465.1	1699.2	1471.0
40°	1572.2	1573.1	1611.3	1645.5	1630.3	1561.4	1516.0	1515.5	1559.9	1800.4	1548.2
42.5°	1624.0	1630.3	1686.5	1745.2	1766.2	1705.1	1672.3	1660.1	1692.9	1937.2	1664.0
45°	1679.2	1688.5	1767.2	1850.7	1905.9	1869.8	1843.9	1848.8	1852.7	2096.5	1819.9
47.5°	1743.7	1749.6	1846.8	1964.6	2067.7	2058.4	2059.9	2054.0	2052.1	2297.4	2026.2
50°	1821.9	1835.6	1947.5	2088.2	2229.0	2290.6	2311.1	2313.5	2281.8	2516.3	2239.7
52.5°	1988.1	2004.7	2100.5	2223.6	2404.9	2534.4	2618.0	2601.4	2552.5	2728.4	2473.8
55°	2184.0	2196.7	2289.1	2416.6	2619.9	2801.7	3000.2	2993.3	2873.6	2951.8	2666.4
57.5°	2202.6	2216.8	2360.0	2555.4	2896.1	3132.1	3340.8	3362.8	3187.3	3110.1	2838.4
60°	1993.9	2022.7	2218.2	2481.2	3001.6	3576.3	3714.2	3718.6	3417.5	3270.9	3048.5
62.5°	1598.1	1611.7	1808.7	2151.8	2838.9	3835.4	4284.5	4191.6	3713.2	3519.7	3381.3
65°	837.6	893.4	1064.9	1444.6	2302.3	3744.9	4970.6	4945.2	4244.9	3875.9	3640.4
67.5°	574.7	574.2	614.8	753.1	1372.8	3224.5	5307.3	5586.9	4859.7	3998.1	3452.7
70°	437.4	438.9	475.0	564.9	711.1	2146.4	4937.9	5415.8	4974.0	3630.1	2792.5
72.5°	290.3	293.2	353.3	456.5	567.9	1052.2	3837.3	4333.3	4185.3	2915.6	1965.6
75°	173.5	175.9	218.9	331.8	504.8	588.9	2438.1	2995.8	2880.9	2009.6	1053.6
77.5°	71.4	73.3	112.4	206.7	369.5	457.4	1348.3	1960.2	1725.6	799.0	287.8
80°	29.8	30.8	54.2	144.7	266.3	286.9	624.6	921.2	707.2	172.0	88.0
82.5°	10.8	11.2	20.0	79.7	165.7	216.0	315.2	364.1	199.4	56.2	47.4
85°	0.5	0.5	4.9	26.9	63.0	61.1	180.3	174.5	66.0	23.5	28.3
87.5°	0.0	0.0	0.5	0.5	1.0	2.4	17.1	30.3	14.2	5.9	12.2
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°	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7
2.5°	1582.4	1556.5	1528.2	1501.8	1459.8	1434.8	1404.0	1390.4	1370.8	1365.9	1368.9
5°	1550.2	1505.7	1437.8	1376.2	1296.5	1232.5	1168.0	1140.6	1105.5	1082.0	1072.2
7.5°	1504.7	1446.6	1340.5	1228.6	1119.1	1002.3	913.4	854.7	801.5	772.2	766.3
10°	1458.8	1383.0	1231.0	1070.8	901.2	761.4	641.2	552.2	479.9	447.2	421.8
12.5°	1411.4	1317.1	1119.6	910.5	713.5	522.9	374.3	287.8	236.0	215.5	218.9
15°	1367.9	1253.5	1009.2	750.2	502.4	315.7	206.7	174.5	162.2	158.3	157.9
17.5°	1326.3	1193.4	899.2	594.3	331.3	193.5	158.3	150.5	147.1	145.1	145.1
20°	1288.7	1135.7	791.7	447.7	214.1	153.5	143.2	139.3	136.3	134.9	134.9
22.5°	1253.5	1080.0	686.6	316.7	157.9	137.8	131.5	127.6	124.1	122.2	122.2
25°	1221.8	1029.7	586.4	218.0	135.9	126.1	119.2	114.8	109.0	105.6	105.6
27.5°	1198.8	984.7	490.2	158.8	122.7	113.4	105.6	99.7	93.3	89.4	88.5
30°	1185.1	946.6	392.9	130.5	110.4	101.2	92.4	85.0	77.7	73.8	73.3
32.5°	1177.3	911.4	304.0	113.9	100.2	89.4	79.7	71.8	64.5	60.1	59.6
35°	1180.2	884.1	227.7	102.6	90.4	79.2	68.4	60.6	54.2	50.3	49.4
37.5°	1205.6	871.8	171.0	93.8	82.1	70.4	59.1	51.8	45.9	43.0	42.5
40°	1255.0	874.3	134.4	87.0	75.3	61.6	50.8	44.0	39.6	37.1	36.7
42.5°	1331.7	894.8	110.9	81.1	67.9	53.8	44.0	38.6	34.2	31.8	31.3
45°	1446.1	937.3	96.8	74.3	60.1	46.4	38.1	33.2	29.3	26.4	25.9
47.5°	1611.7	1011.1	87.5	67.9	53.3	40.1	32.7	27.9	24.4	22.0	21.5
50°	1788.2	1099.6	79.7	61.6	47.4	34.7	27.9	23.0	20.0	17.6	17.1
52.5°	1976.3	1194.9	73.8	55.7	42.0	29.8	23.5	19.1	16.1	13.7	13.2
55°	2157.1	1290.7	67.0	51.8	35.7	25.4	19.5	15.6	12.7	10.8	10.8
57.5°	2333.1	1378.6	59.6	45.4	29.3	21.5	16.1	12.7	10.3	8.8	8.3
60°	2543.2	1500.3	51.3	38.6	24.4	18.1	13.2	10.3	8.3	6.8	6.8
62.5°	2855.5	1626.9	44.0	32.3	20.5	15.1	10.8	8.3	6.8	5.9	5.4
65°	2957.6	1558.5	37.1	26.4	16.6	12.2	8.8	7.3	5.9	5.4	4.9
67.5°	2684.9	1277.5	30.8	21.5	13.7	10.3	7.8	6.4	5.4	4.9	4.4
70°	2095.1	906.5	23.9	16.1	11.2	8.3	6.8	5.9	4.9	4.4	4.4
72.5°	1425.1	536.1	19.1	12.2	9.3	7.3	5.9	5.4	4.9	4.4	3.9
75°	701.8	190.6	14.7	9.3	7.3	6.4	5.4	4.9	4.4	3.9	3.9
77.5°	189.1	52.8	11.2	7.3	5.9	4.9	4.9	4.9	4.4	3.4	3.4
80°	64.0	22.0	8.3	5.4	4.9	3.9	3.4	4.4	3.9	3.4	2.9
82.5°	35.2	10.8	5.9	4.4	3.4	2.9	2.9	2.9	2.9	2.4	2.4
85°	22.5	5.9	3.9	3.4	3.4	2.4	2.0	2.0	1.5	1.5	1.5
87.5°	10.3	3.4	3.4	2.9	2.9	2.4	1.5	1.0	0.5	0.5	0.5
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)