

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: P632262

Luminaire Tested: GWS-SA2C-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632262
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-SA2C-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7192.4 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

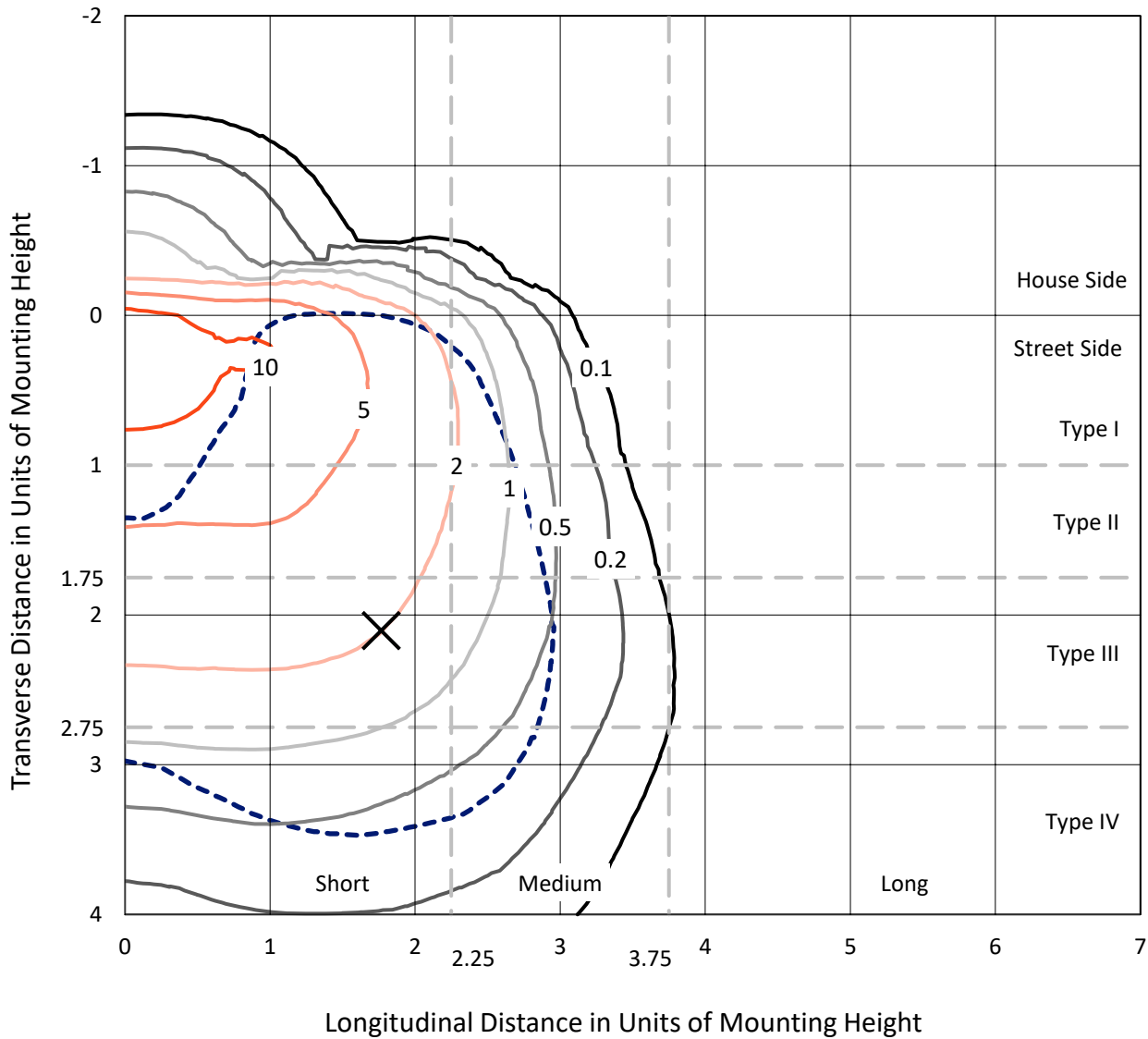
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

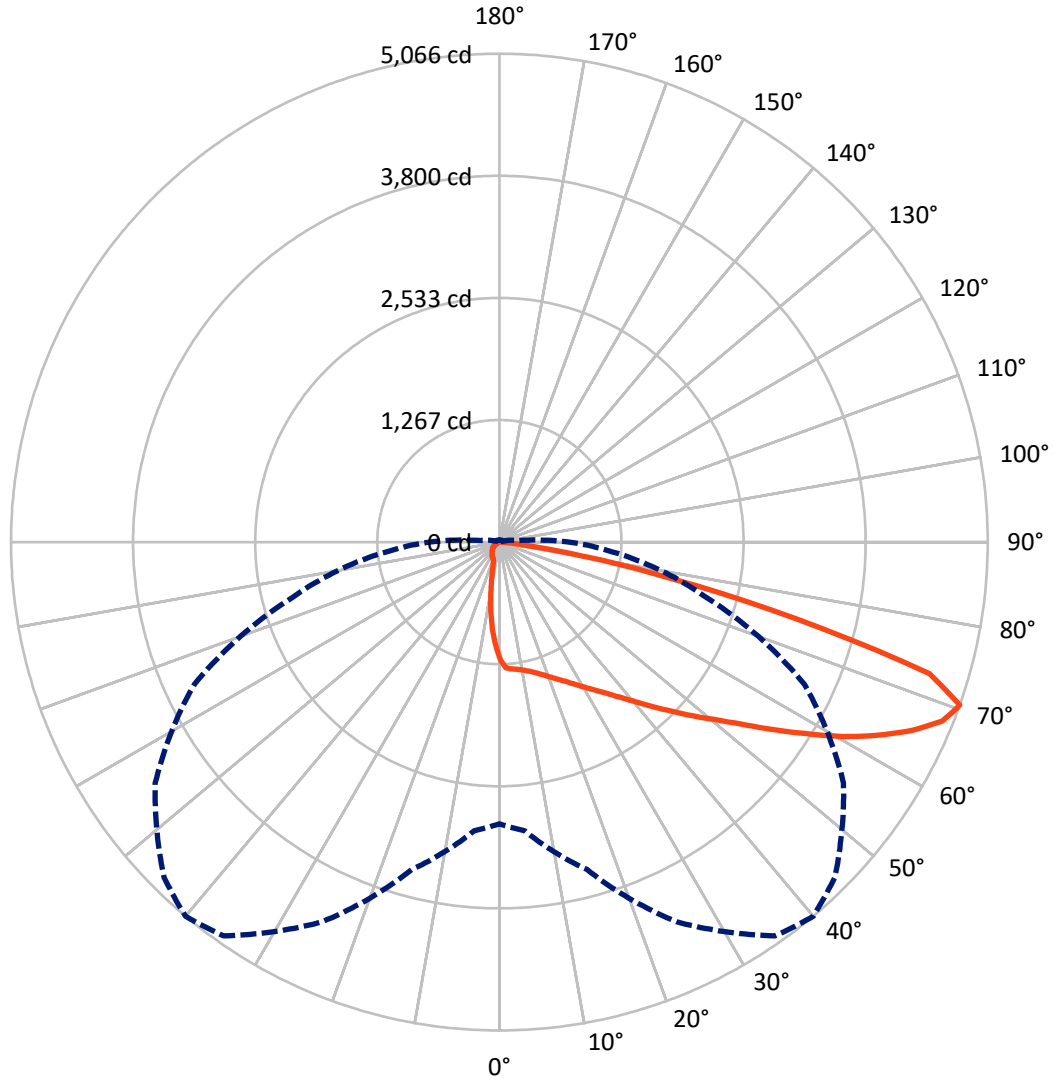
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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	588.1	0.0	588.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	6604.2	0.0	6604.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	7192.4	0.0	7192.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	1.4
10°-20°	261.6	3.6
20°-30°	437.9	6.1
30°-40°	687.7	9.6
40°-50°	1087.8	15.1
50°-60°	1586.9	22.1
60°-70°	1967.1	27.4
70°-80°	995.3	13.8
80°-90°	65.0	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°	7192.4	100.0
0°-180°	7192.4	100.0

Coefficient of Utilization



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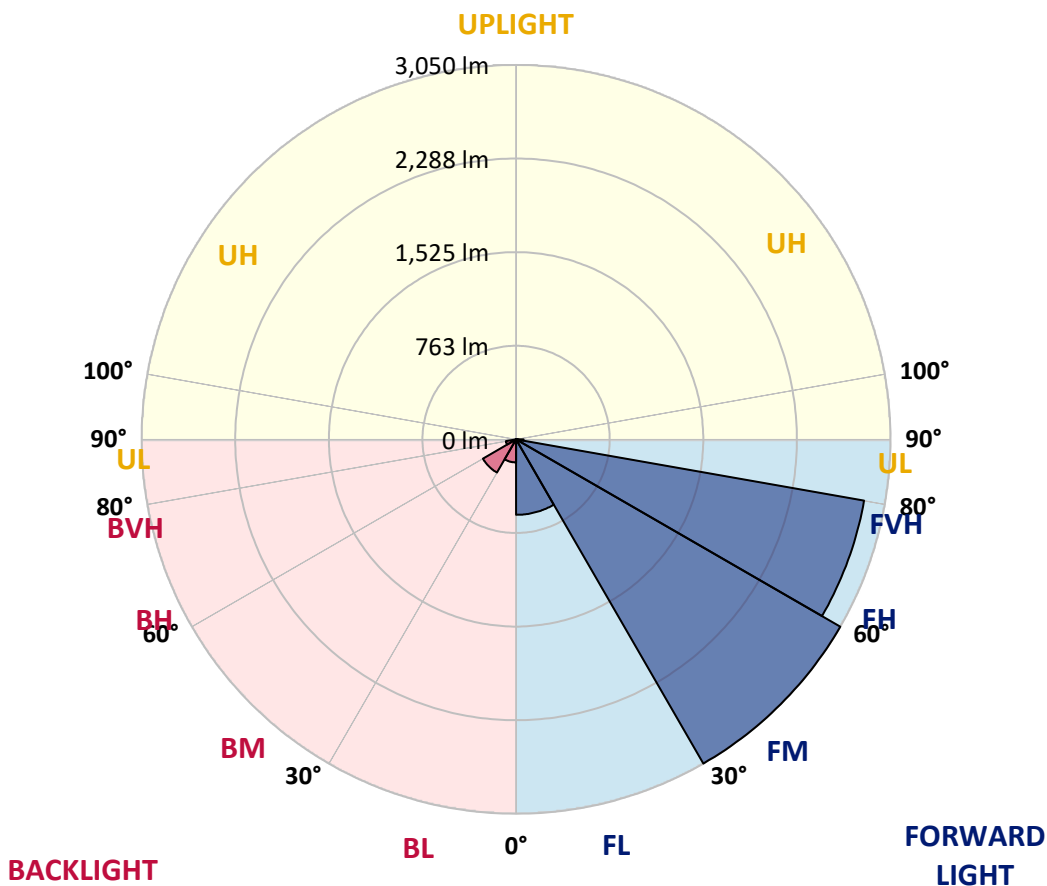
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.8	8.5			
FM (30°-60°)	3050.2	42.4			
FH (60°-80°)	2878.5	40.0			G2/5000
FVH (80°-90°)	60.7	0.8			G1/100
BL (0°-30°)	187.8	2.6	B1/500		
BM (30°-60°)	312.2	4.3	B1/1000		
BH (60°-80°)	83.9	1.2	B0/110		G0/110
BVH (80°-90°)	4.3	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°	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5
2.5°	1312.1	1316.7	1316.0	1318.0	1313.4	1306.2	1304.9	1295.1	1277.4	1255.1	1230.3
5°	1338.9	1344.1	1340.2	1338.3	1329.7	1321.9	1319.9	1309.5	1289.2	1259.1	1215.9
7.5°	1361.8	1363.1	1360.5	1355.9	1343.5	1333.0	1325.8	1311.4	1287.2	1257.1	1207.4
10°	1365.7	1365.1	1366.4	1367.1	1359.2	1350.0	1344.1	1324.5	1293.8	1261.7	1208.0
12.5°	1361.2	1361.2	1369.7	1379.5	1379.5	1374.9	1369.0	1351.3	1315.4	1277.4	1221.1
15°	1367.1	1369.0	1385.4	1403.7	1409.6	1405.0	1402.4	1384.1	1346.8	1304.9	1244.7
17.5°	1388.0	1390.0	1416.1	1443.6	1450.8	1445.6	1440.3	1422.0	1382.1	1336.3	1271.5
20°	1418.7	1424.0	1457.4	1492.7	1499.2	1492.7	1482.2	1456.7	1416.8	1370.3	1297.0
22.5°	1475.0	1478.3	1514.3	1551.6	1554.9	1544.4	1528.7	1493.4	1451.5	1406.3	1325.8
25°	1549.6	1554.2	1590.2	1626.2	1617.7	1602.0	1580.4	1540.5	1492.7	1448.9	1362.5
27.5°	1638.6	1643.9	1679.2	1710.6	1688.4	1670.0	1645.8	1596.1	1547.7	1507.7	1409.6
30°	1734.8	1739.4	1770.8	1799.0	1769.5	1747.9	1719.1	1668.1	1619.0	1588.9	1476.3
32.5°	1827.8	1827.1	1857.2	1880.1	1850.0	1833.0	1806.8	1755.1	1715.8	1702.8	1575.8
35°	1914.1	1914.1	1939.0	1961.9	1940.3	1931.1	1906.9	1865.7	1843.5	1859.2	1708.6
37.5°	2001.2	1996.6	2020.1	2045.7	2043.7	2044.4	2030.6	2011.0	2012.3	2067.9	1891.2
40°	2073.2	2071.2	2098.7	2132.0	2158.2	2179.2	2170.7	2177.9	2219.1	2323.1	2124.9
42.5°	2130.7	2135.3	2170.7	2223.7	2289.8	2332.3	2338.2	2367.6	2473.6	2634.6	2388.6
45°	2196.8	2197.5	2246.6	2327.7	2433.1	2500.5	2524.0	2599.9	2750.5	2957.9	2677.8
47.5°	2278.0	2270.1	2325.1	2439.0	2591.4	2690.9	2732.8	2827.7	3060.6	3273.3	2913.4
50°	2367.6	2353.2	2415.4	2570.5	2768.8	2893.1	2978.2	3116.9	3368.2	3532.5	3088.8
52.5°	2471.7	2457.9	2528.6	2721.7	2981.5	3132.6	3241.9	3382.0	3631.9	3730.1	3193.5
55°	2603.9	2590.1	2664.7	2902.9	3232.8	3429.1	3543.6	3661.4	3877.3	3876.0	3269.4
57.5°	2750.5	2731.5	2834.9	3132.0	3546.2	3750.4	3866.9	3924.5	4063.9	3989.2	3320.4
60°	2918.6	2901.6	3044.9	3404.9	3908.1	4097.2	4170.5	4147.0	4217.0	4056.0	3302.8
62.5°	3070.5	3062.6	3240.6	3694.1	4253.0	4412.6	4432.9	4330.2	4329.5	4057.3	3183.7
65°	3228.2	3243.2	3507.6	4027.2	4599.8	4707.1	4672.4	4512.1	4374.7	3897.0	2831.6
67.5°	3287.1	3330.9	3683.6	4328.2	4873.3	4957.1	4896.3	4603.1	4186.9	3357.7	2156.3
70°	2923.2	3005.7	3517.4	4345.2	4986.6	5066.4	4920.5	4358.3	3490.6	2224.3	1181.2
72.5°	2223.0	2319.2	2931.1	3558.0	4484.6	4666.6	4417.2	3550.8	2249.8	974.4	396.6
75°	1244.0	1348.1	2183.1	2679.1	3010.9	3177.1	3085.5	2278.0	996.7	254.6	118.4
77.5°	420.8	455.5	1015.6	1657.6	1987.4	1838.2	1556.2	1131.5	366.5	96.9	62.8
80°	249.3	262.4	378.2	825.2	1045.7	867.1	684.5	418.2	186.5	51.7	43.8
82.5°	74.6	88.3	208.8	306.3	409.7	255.2	216.0	238.9	96.9	28.1	36.6
85°	0.0	0.0	44.5	94.9	107.3	41.9	41.9	135.5	17.7	11.8	26.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	2.0	2.6	5.9
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°	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5	1220.5
2.5°	1212.6	1189.7	1162.9	1137.4	1113.1	1081.7	1066.7	1048.4	1032.7	1024.1	1028.7
5°	1188.4	1152.4	1097.4	1041.8	985.5	932.5	884.8	852.7	823.9	808.8	812.1
7.5°	1167.5	1119.0	1033.3	942.3	852.0	761.1	687.1	629.5	585.0	566.7	563.4
10°	1158.3	1097.4	976.4	845.5	706.8	584.4	479.7	416.2	371.0	348.8	352.7
12.5°	1162.9	1086.3	927.9	750.6	570.6	428.0	327.9	268.3	236.2	223.2	219.9
15°	1176.0	1083.7	884.8	653.7	440.4	299.1	226.4	202.2	195.7	194.4	194.4
17.5°	1191.0	1084.3	840.3	555.6	334.4	221.8	193.7	189.1	187.2	185.9	186.5
20°	1206.1	1084.3	789.2	456.1	251.3	191.7	184.5	181.3	179.3	178.7	178.7
22.5°	1224.4	1084.3	732.3	363.8	201.6	181.9	176.0	174.1	172.1	171.5	170.8
25°	1246.6	1085.0	669.5	284.7	183.2	173.4	168.8	166.9	164.9	163.6	163.6
27.5°	1278.7	1090.2	600.1	221.8	172.8	165.6	161.6	159.7	157.7	155.7	155.7
30°	1325.2	1103.3	522.2	183.2	162.9	157.1	153.1	151.8	149.9	147.9	147.2
32.5°	1394.5	1126.2	441.7	164.3	153.8	147.9	143.3	142.0	140.0	138.1	137.4
35°	1491.4	1168.1	363.2	152.5	142.0	136.1	133.5	132.8	130.2	128.3	128.3
37.5°	1633.4	1236.2	287.9	140.7	132.2	127.6	124.3	123.0	120.4	118.4	117.8
40°	1806.8	1324.5	223.8	131.5	123.0	118.4	115.2	113.2	109.9	107.3	106.0
42.5°	2028.0	1432.5	176.7	121.7	114.5	109.9	107.3	103.4	98.8	94.9	94.2
45°	2258.3	1543.7	145.9	112.6	106.7	102.7	99.5	94.2	87.7	83.1	81.8
47.5°	2435.0	1613.1	127.6	102.7	98.2	94.9	91.0	84.4	76.6	71.3	70.0
50°	2561.3	1623.6	113.9	93.6	91.0	87.7	81.8	73.9	65.4	60.2	58.9
52.5°	2623.5	1576.5	102.7	85.1	83.1	79.8	72.6	64.1	55.0	49.7	48.4
55°	2651.6	1487.5	92.3	77.9	75.3	71.3	63.5	54.3	45.2	40.6	39.3
57.5°	2640.5	1355.9	83.1	70.7	67.4	62.8	54.3	44.5	37.3	32.7	32.1
60°	2558.1	1171.4	73.9	63.5	59.6	54.3	45.8	36.6	30.1	26.8	26.2
62.5°	2380.1	942.3	64.8	55.0	52.4	47.1	39.3	30.1	24.9	22.9	22.2
65°	2015.6	666.2	55.6	46.5	45.2	39.9	32.7	24.9	21.6	20.3	19.6
67.5°	1448.9	405.1	47.1	39.9	38.6	34.0	27.5	21.6	19.6	19.0	19.0
70°	728.4	191.7	37.3	32.7	32.7	28.1	23.6	19.6	19.0	18.3	18.3
72.5°	247.4	81.8	28.1	25.5	26.8	24.2	20.3	18.3	18.3	18.3	18.3
75°	84.4	43.2	19.6	18.3	19.6	19.6	17.7	17.7	18.3	18.3	18.3
77.5°	55.0	28.8	13.7	12.4	15.1	15.1	15.1	16.4	17.7	17.7	17.7
80°	45.2	15.7	9.2	8.5	11.1	11.1	12.4	15.1	16.4	16.4	16.4
82.5°	38.6	9.8	5.2	5.9	7.9	8.5	10.5	12.4	14.4	15.1	15.1
85°	26.2	5.2	3.9	4.6	5.2	6.5	8.5	10.5	11.8	13.1	13.1
87.5°	7.2	2.0	2.6	3.3	3.3	4.6	6.5	7.9	9.2	9.8	9.8
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)