

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: P632340

Luminaire Tested: GWS-SA2C-740-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804.8 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

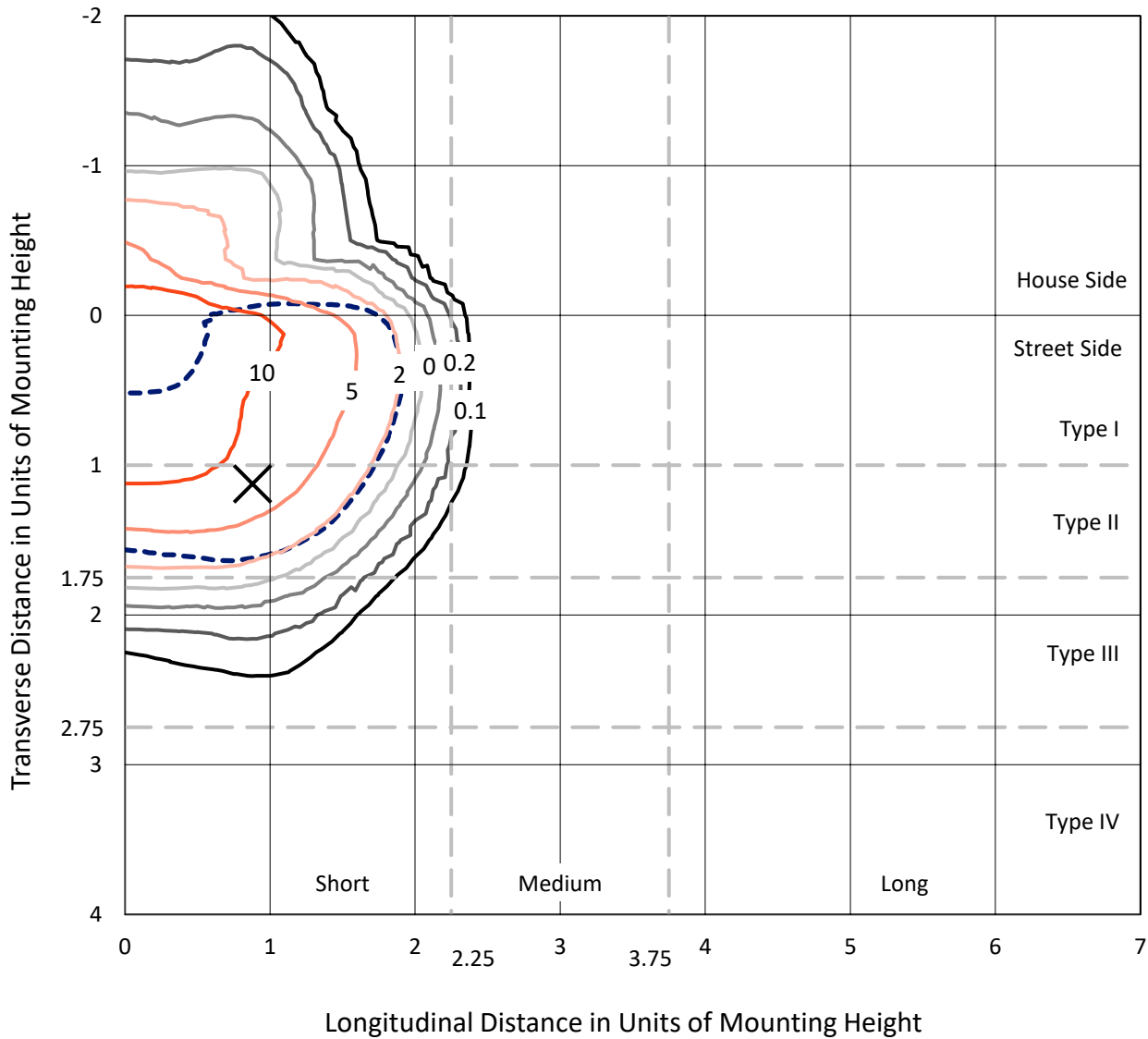
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632340
 CATALOG NUMBER: GWS-SA2C-740-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

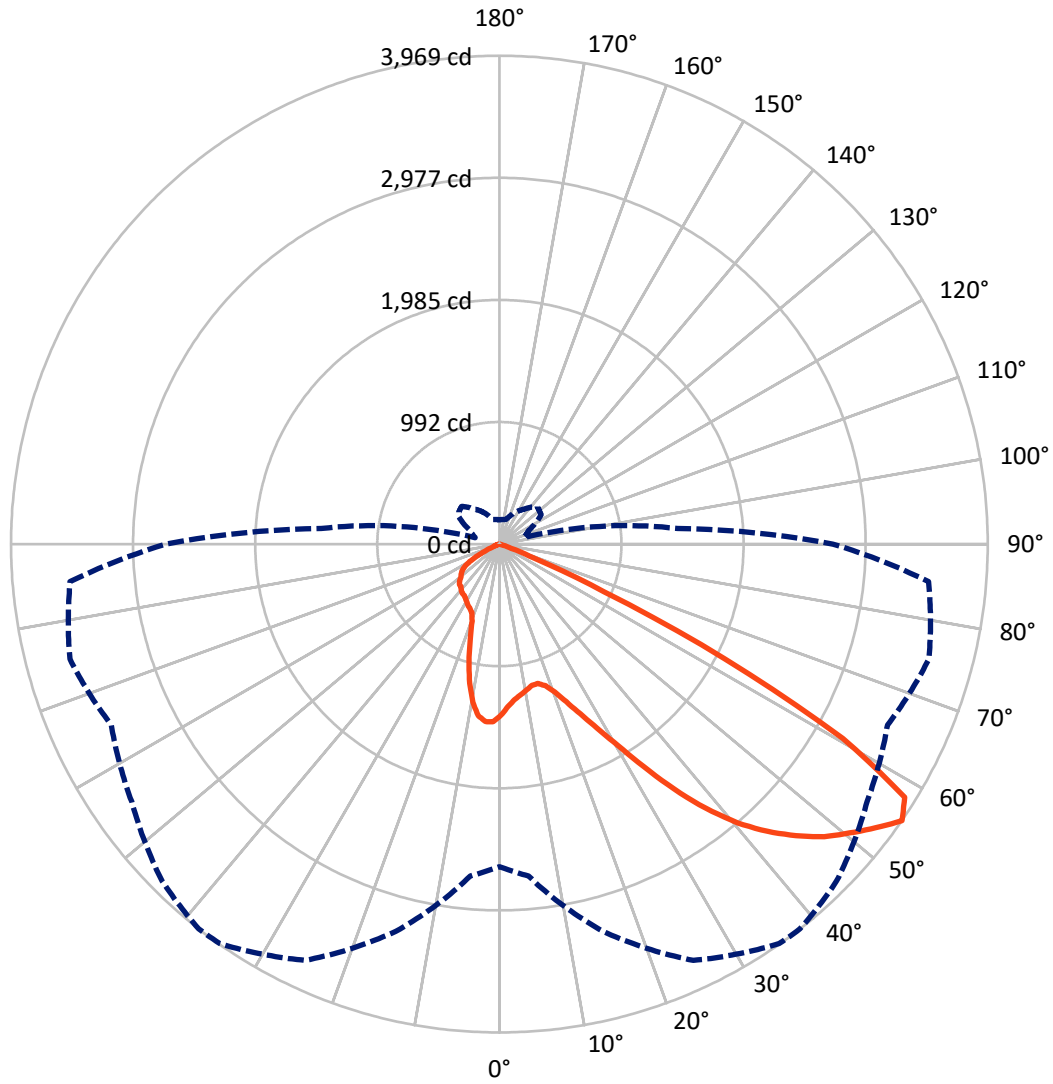
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type II - Short - N/A

REPORT NUMBER: P632340
CATALOG NUMBER: GWS-SA2C-740-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P632340
 CATALOG NUMBER: GWS-SA2C-740-U-T3R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1131.0	0.0	1131.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4673.8	0.0	4673.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	5804.8	0.0	5804.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	2.2
10°-20°	346.5	6.0
20°-30°	594.6	10.2
30°-40°	986.2	17.0
40°-50°	1449.8	25.0
50°-60°	1694.1	29.2
60°-70°	574.3	9.9
70°-80°	29.4	0.5
80°-90°	1.2	0.0
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°	5804.8	100.0
0°-180°	5804.8	100.0

Coefficient of Utilization



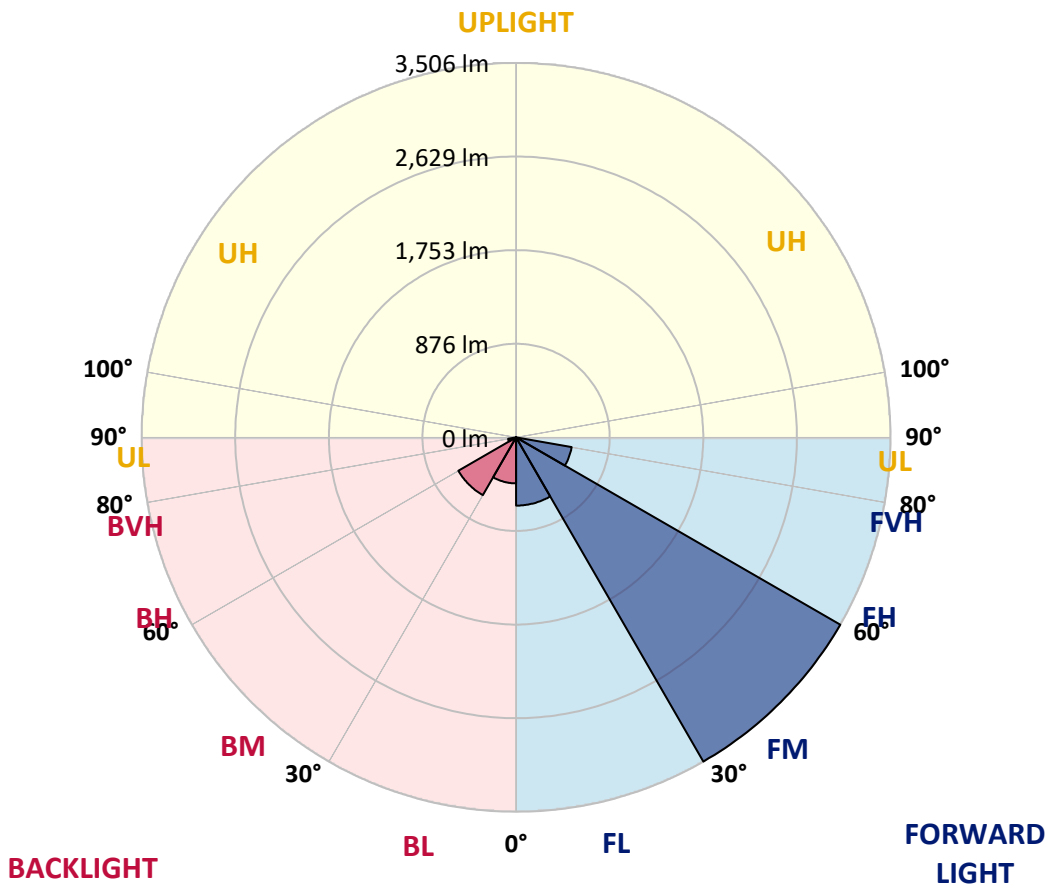
REPORT NUMBER: P632340

CATALOG NUMBER: GWS-SA2C-740-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.0	11.0			
FM (30°-60°)	3505.9	60.4			
FH (60°-80°)	528.3	9.1			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	430.9	7.4	B1/500		
BM (30°-60°)	624.2	10.8	B1/1000		
BH (60°-80°)	75.3	1.3	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0
 Type II Short





REPORT NUMBER: P632340

CATALOG NUMBER: GWS-SA2C-740-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0
2.5°	1296.5	1293.8	1299.1	1309.8	1319.7	1323.0	1333.0	1346.9	1355.5	1376.1	1392.7
5°	1238.1	1236.8	1242.1	1251.4	1264.6	1269.3	1284.5	1307.8	1331.0	1366.8	1402.0
7.5°	1185.0	1184.4	1192.3	1212.9	1232.1	1238.1	1256.7	1285.2	1316.4	1371.5	1423.2
10°	1115.4	1116.0	1131.3	1160.5	1195.6	1207.6	1237.4	1278.6	1319.0	1390.0	1461.7
12.5°	1092.8	1094.1	1102.1	1124.6	1163.1	1178.4	1220.2	1282.6	1334.3	1416.6	1511.5
15°	1147.9	1147.9	1141.2	1143.9	1161.1	1175.1	1218.9	1295.8	1360.2	1448.4	1560.6
17.5°	1254.7	1250.7	1234.1	1211.6	1205.6	1210.2	1245.4	1324.4	1396.7	1485.6	1616.3
20°	1399.3	1400.7	1368.1	1321.0	1283.2	1282.6	1303.8	1374.8	1449.1	1530.0	1676.7
22.5°	1574.5	1569.2	1526.1	1461.7	1396.0	1390.7	1399.3	1451.8	1524.7	1600.4	1751.0
25°	1777.5	1774.9	1713.8	1627.6	1540.7	1528.1	1528.1	1579.8	1632.9	1700.6	1839.9
27.5°	1989.9	1989.9	1930.8	1831.3	1715.8	1693.3	1689.9	1751.0	1786.2	1799.4	1914.9
30°	2208.1	2205.5	2147.1	2044.9	1921.5	1898.3	1889.0	1934.1	1959.3	1919.5	2008.4
32.5°	2429.8	2434.4	2375.4	2280.5	2170.3	2155.1	2126.5	2126.5	2147.1	2091.4	2155.7
35°	2668.0	2666.6	2620.2	2555.8	2461.6	2444.4	2397.2	2323.6	2354.8	2330.2	2359.4
37.5°	2878.3	2888.2	2865.7	2817.9	2741.6	2724.4	2646.7	2513.4	2537.2	2575.7	2601.6
40°	3091.9	3099.9	3122.5	3107.2	3011.0	2979.1	2841.1	2622.2	2648.7	2780.8	2855.1
42.5°	3301.6	3305.6	3351.4	3376.6	3247.9	3192.1	2988.4	2688.5	2716.4	2941.3	3071.4
45°	3435.0	3443.6	3519.2	3596.2	3456.9	3380.6	3116.5	2773.5	2785.4	3052.8	3231.3
47.5°	3429.7	3449.6	3591.6	3731.6	3636.7	3554.4	3270.4	2909.5	2889.6	3157.6	3336.8
50°	3322.8	3346.7	3550.4	3772.7	3766.1	3689.8	3441.6	3106.5	3044.2	3250.5	3350.0
52.5°	3101.2	3170.2	3478.1	3778.0	3870.2	3831.7	3653.3	3371.9	3253.2	3383.9	3371.3
55°	2622.2	2707.1	3258.5	3732.9	3964.4	3969.1	3875.5	3648.6	3480.1	3613.5	3502.0
57.5°	1990.5	2058.2	2508.1	3322.8	3808.5	3884.8	3961.8	3794.6	3620.1	3770.0	3532.5
60°	1199.6	1277.9	1570.5	2438.4	3076.0	3206.1	3508.0	3475.4	3265.1	3329.5	2896.9
62.5°	486.3	527.5	725.2	1343.6	1936.1	2057.5	2346.8	2395.9	2344.2	2278.5	1757.0
65°	177.8	194.4	290.6	555.4	890.4	934.9	1087.5	1174.4	1246.1	1060.9	653.6
67.5°	110.1	120.8	189.1	285.3	323.8	301.2	306.5	365.6	349.0	215.6	116.8
70°	81.6	90.2	148.0	197.7	130.7	100.9	68.3	73.0	65.7	57.7	57.1
72.5°	56.4	64.4	110.8	116.8	50.4	35.8	25.2	35.2	39.8	39.1	40.5
75°	37.2	43.1	69.7	45.8	12.6	10.0	8.6	18.6	23.9	23.9	24.5
77.5°	21.9	25.2	24.5	9.3	2.7	2.7	2.0	3.3	5.3	6.0	7.3
80°	2.7	2.0	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0
82.5°	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
85°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0	2.0
87.5°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0	2.0
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: P632340

CATALOG NUMBER: GWS-SA2C-740-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0	1392.0
2.5°	1405.3	1400.7	1419.9	1433.8	1445.1	1450.4	1443.1	1442.5	1442.5	1427.9	1423.9
5°	1421.9	1423.9	1451.1	1463.0	1465.0	1458.4	1441.8	1430.5	1423.9	1408.6	1400.0
7.5°	1453.7	1460.4	1486.3	1484.3	1466.3	1435.8	1392.0	1358.2	1336.3	1312.4	1297.8
10°	1499.5	1512.1	1528.1	1500.2	1443.1	1365.5	1275.3	1210.9	1172.4	1145.2	1128.6
12.5°	1555.3	1567.9	1562.6	1496.9	1378.1	1239.4	1123.3	1030.4	986.0	961.4	944.2
15°	1611.7	1619.6	1585.1	1457.1	1263.3	1076.9	947.5	855.3	800.9	780.9	766.3
17.5°	1669.4	1667.4	1589.1	1378.8	1110.0	893.7	766.3	703.3	688.1	684.7	683.4
20°	1729.8	1711.8	1573.2	1266.6	925.6	712.6	640.3	644.3	672.1	685.4	688.1
22.5°	1798.8	1753.6	1533.4	1114.7	737.2	593.8	601.1	640.3	678.1	696.0	698.7
25°	1872.4	1792.1	1467.0	919.6	581.2	546.1	589.2	634.3	674.8	696.7	699.3
27.5°	1920.8	1801.4	1358.2	723.2	499.0	527.5	573.3	616.4	658.2	682.1	685.4
30°	1973.3	1797.4	1210.2	557.3	471.1	511.6	551.4	590.5	629.0	655.5	658.2
32.5°	2050.2	1794.8	1029.8	452.5	459.8	499.0	528.2	560.7	587.2	602.5	600.5
35°	2151.1	1791.5	819.4	408.1	453.2	489.0	512.2	527.5	498.3	489.0	491.0
37.5°	2280.5	1799.4	642.3	389.5	451.2	486.3	506.3	462.5	417.3	400.1	397.4
40°	2423.8	1820.0	489.7	382.2	457.8	493.0	483.7	411.4	355.6	321.8	314.5
42.5°	2567.8	1842.6	387.5	379.5	469.1	511.6	446.5	374.2	290.6	271.4	268.7
45°	2674.6	1838.6	335.1	374.9	479.1	522.2	436.6	321.1	259.4	250.8	251.5
47.5°	2728.3	1794.8	306.5	364.3	483.0	511.6	412.0	299.2	238.2	247.5	255.4
50°	2699.8	1681.3	280.0	343.7	474.4	497.6	372.9	282.7	227.6	266.1	284.0
52.5°	2665.3	1542.0	250.8	311.8	453.8	478.4	357.6	278.0	220.9	256.8	270.0
55°	2711.1	1453.7	203.0	262.7	413.4	433.3	345.7	277.3	205.7	199.7	197.7
57.5°	2646.7	1277.9	145.3	189.1	317.2	343.0	337.1	272.7	182.5	181.8	184.5
60°	2045.6	779.6	99.5	120.1	194.4	219.0	305.9	260.8	157.3	144.6	145.3
62.5°	1162.5	331.8	68.3	74.3	99.5	118.1	233.6	236.9	145.3	138.0	145.3
65°	404.7	118.8	53.1	49.8	55.1	63.0	134.0	183.1	132.0	119.4	120.8
67.5°	83.6	59.1	47.1	41.1	41.1	41.1	68.3	114.1	108.8	94.9	96.2
70°	53.1	50.4	41.1	35.2	33.8	31.2	39.1	63.0	75.0	69.0	69.7
72.5°	39.1	38.5	32.5	28.5	25.2	22.6	24.5	31.2	38.5	39.8	40.5
75°	23.9	24.5	21.2	17.9	15.9	13.9	14.6	14.6	14.6	13.3	14.6
77.5°	7.3	8.0	6.6	5.3	4.6	4.6	4.6	4.0	3.3	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	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)