

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: P632941

Luminaire Tested: GWS-SA2D-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7274.3 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

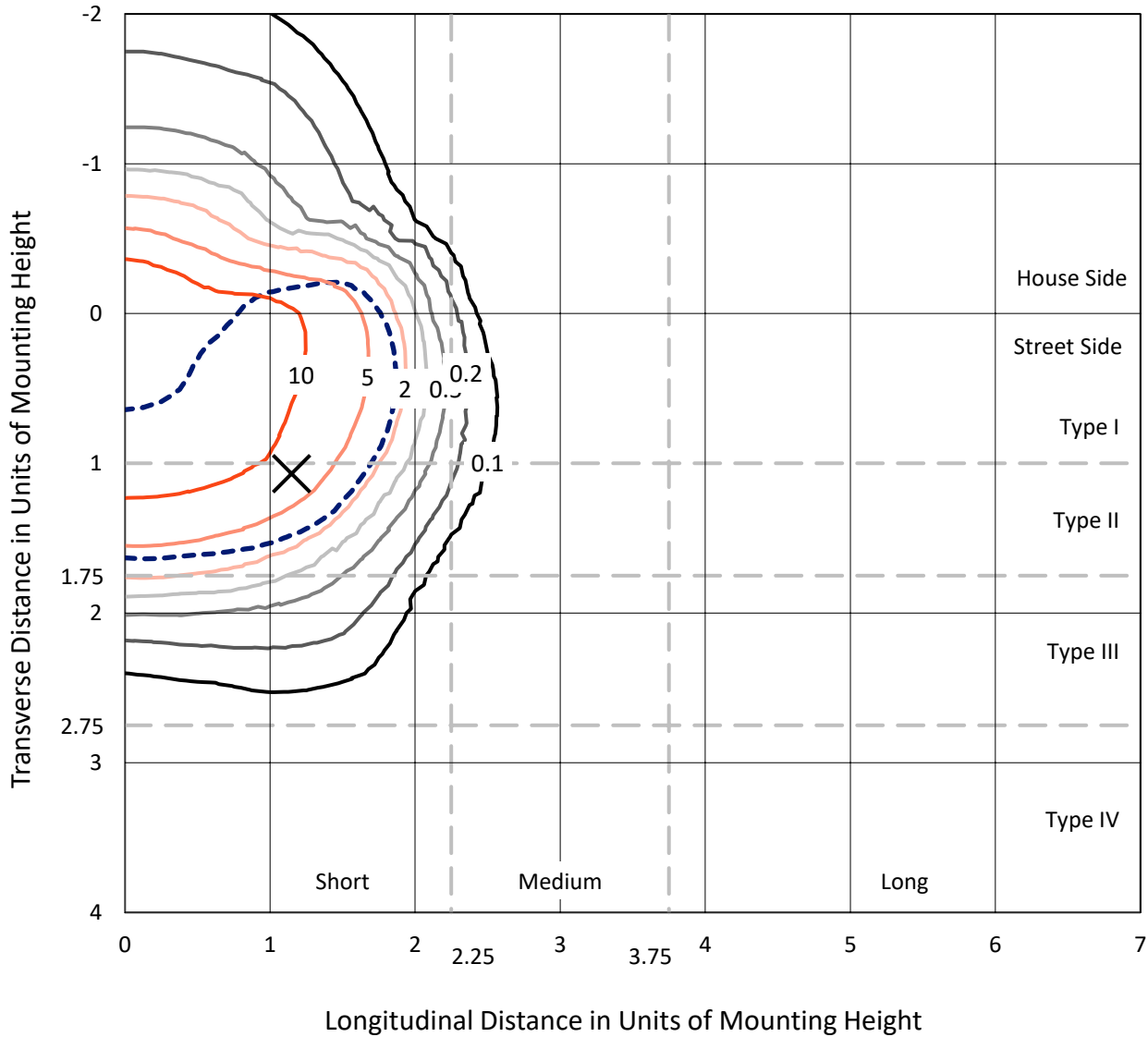
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

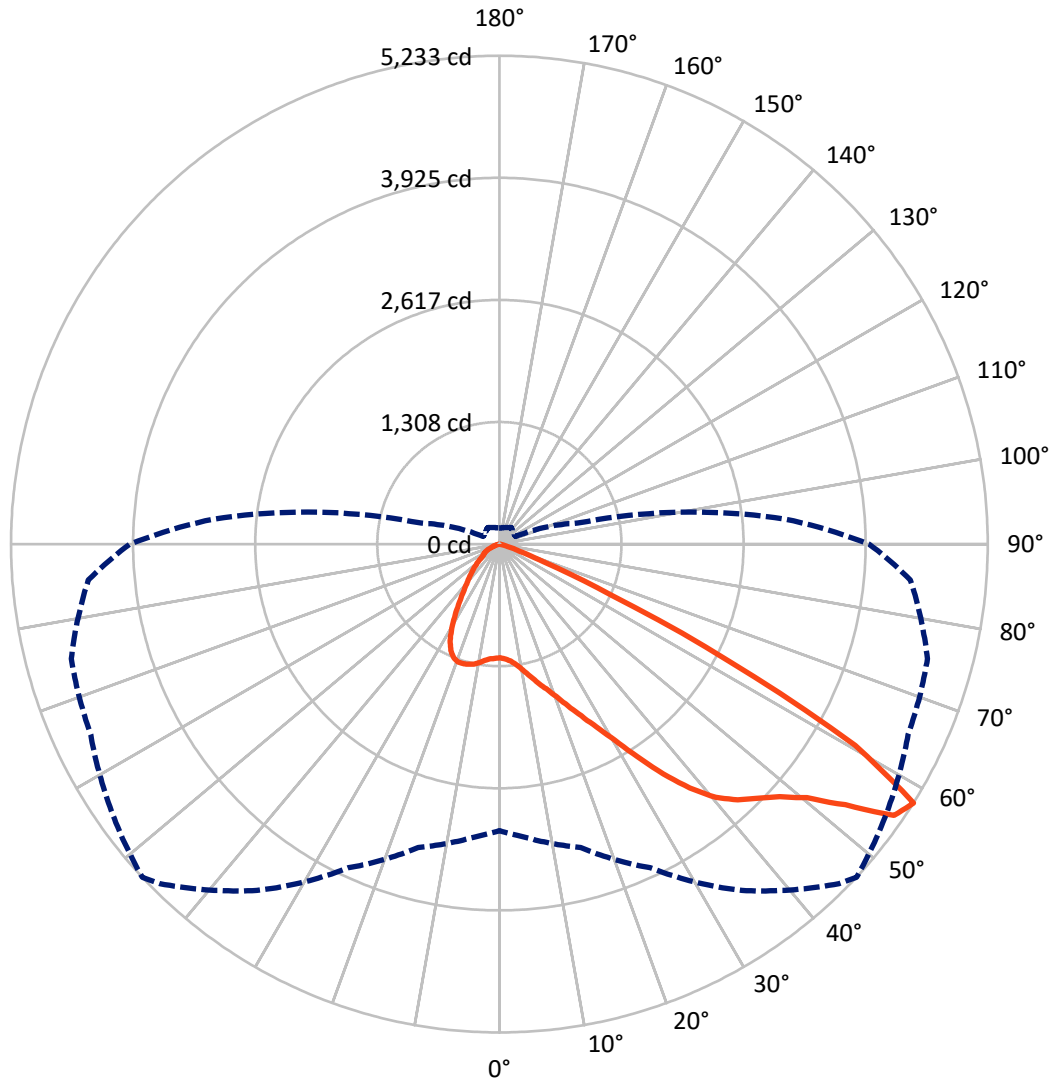
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.1	0.0	1578.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5696.1	0.0	5696.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	7274.3	0.0	7274.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	1.7
10°-20°	408.8	5.6
20°-30°	759.0	10.4
30°-40°	1215.1	16.7
40°-50°	1776.1	24.4
50°-60°	2192.0	30.1
60°-70°	732.5	10.1
70°-80°	68.2	0.9
80°-90°	1.4	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°	7274.3	100.0
0°-180°	7274.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632941

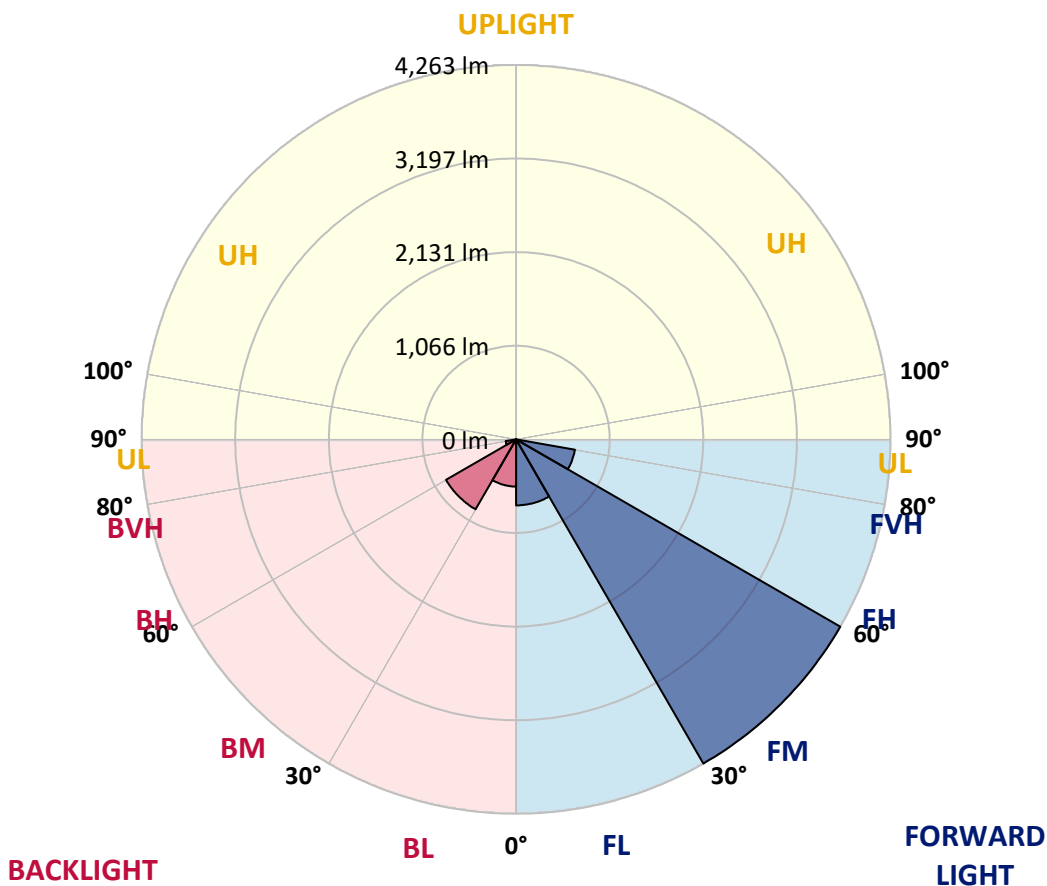
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.8	10.3			
FM (30°-60°)	4262.7	58.6			
FH (60°-80°)	680.7	9.4			G1/1800
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	537.2	7.4	B2/1000		
BM (30°-60°)	920.5	12.7	B1/1000		
BH (60°-80°)	120.0	1.6	B1/500		G1/500
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P632941

CATALOG NUMBER: GWS-SA2D-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7
2.5°	1230.4	1229.5	1228.7	1233.8	1232.1	1231.2	1232.9	1232.9	1232.9	1227.9	1217.7
5°	1259.9	1259.9	1259.1	1264.2	1259.9	1257.4	1258.3	1258.3	1254.9	1245.6	1232.9
7.5°	1306.4	1304.7	1303.0	1308.1	1303.9	1303.0	1304.7	1299.6	1293.7	1278.5	1260.8
10°	1373.1	1373.1	1370.6	1375.6	1372.3	1370.6	1370.6	1367.2	1356.2	1332.6	1306.4
12.5°	1465.2	1460.9	1455.0	1450.8	1449.1	1448.3	1449.1	1444.0	1432.2	1401.8	1365.5
15°	1565.6	1562.3	1553.0	1546.2	1536.9	1535.2	1540.3	1536.1	1524.3	1482.9	1431.4
17.5°	1692.3	1696.5	1672.9	1658.5	1631.5	1629.8	1631.5	1638.3	1629.8	1576.6	1501.5
20°	1800.4	1803.8	1786.1	1775.9	1751.4	1740.5	1743.8	1754.8	1745.5	1683.0	1578.3
22.5°	1916.1	1920.3	1901.7	1880.6	1869.7	1869.7	1882.3	1897.5	1884.9	1802.9	1666.1
25°	2054.6	2058.0	2042.8	2014.9	1995.5	2020.0	2038.6	2079.1	2058.0	1946.5	1770.0
27.5°	2213.4	2214.2	2192.2	2163.5	2153.4	2199.0	2217.6	2280.1	2271.6	2107.8	1879.8
30°	2383.1	2383.9	2378.9	2359.4	2350.2	2410.1	2435.5	2525.8	2519.9	2307.9	2029.3
32.5°	2559.6	2559.6	2568.9	2567.2	2578.2	2676.1	2716.7	2819.7	2813.8	2552.8	2215.0
35°	2736.9	2737.8	2753.8	2794.4	2840.0	2970.0	3023.2	3148.2	3134.7	2845.9	2452.3
37.5°	2938.8	2930.3	2952.3	3013.1	3114.4	3264.7	3315.4	3434.5	3419.3	3145.7	2762.3
40°	3182.0	3166.8	3166.8	3237.7	3352.5	3525.7	3568.7	3627.8	3576.3	3388.0	3066.3
42.5°	3450.5	3436.1	3417.6	3480.1	3576.3	3711.4	3746.9	3730.9	3688.6	3616.9	3412.5
45°	3722.4	3700.5	3713.1	3751.1	3806.9	3871.1	3884.6	3810.2	3790.8	3811.1	3698.8
47.5°	3929.3	3914.1	3945.4	3998.6	4044.2	4053.5	4044.2	3941.1	3939.5	4011.2	3897.2
50°	3998.6	4000.3	4086.4	4202.9	4276.4	4284.0	4271.3	4153.1	4137.1	4158.2	4004.5
52.5°	4005.3	4012.1	4137.9	4360.0	4560.1	4651.3	4641.2	4513.7	4356.6	4333.8	4166.6
55°	3842.3	3882.0	4057.7	4382.0	4807.6	5098.9	5132.7	4888.6	4655.6	4636.1	4515.4
57.5°	3071.3	3152.4	3364.4	3826.3	4531.4	5145.4	5233.2	5057.5	4832.1	4749.3	4421.6
60°	1835.9	1936.4	2139.9	2706.5	3448.8	4229.1	4380.3	4404.8	4300.9	4061.9	3392.2
62.5°	787.9	779.4	1030.3	1464.3	2051.2	2687.9	2756.3	2862.8	2953.1	2703.1	2058.8
65°	270.2	293.9	408.7	660.4	1026.9	1248.1	1308.9	1404.4	1532.7	1265.0	754.1
67.5°	167.2	177.3	235.6	390.1	554.0	545.5	518.5	503.3	489.8	335.3	206.9
70°	121.6	130.0	165.5	268.5	372.4	261.8	227.2	184.1	204.4	188.3	146.9
72.5°	81.9	88.7	114.0	163.0	190.9	127.5	118.2	134.3	162.1	154.5	119.9
75°	49.0	53.2	65.0	79.4	77.7	65.9	66.7	94.6	124.1	115.7	85.3
77.5°	33.8	35.5	43.1	51.5	38.0	20.3	18.6	26.2	42.2	42.2	28.7
80°	8.4	11.0	11.0	6.8	5.9	5.1	5.1	7.6	11.8	8.4	4.2
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
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°	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7	1217.7
2.5°	1223.6	1213.5	1220.3	1218.6	1223.6	1225.3	1217.7	1216.0	1216.9	1206.7	1203.4
5°	1235.5	1223.6	1227.0	1223.6	1229.5	1234.6	1232.1	1235.5	1239.7	1232.1	1228.7
7.5°	1260.8	1249.0	1248.1	1243.1	1251.5	1254.9	1254.0	1263.3	1271.8	1266.7	1261.6
10°	1304.7	1288.7	1287.0	1282.7	1285.3	1287.8	1278.5	1280.2	1287.8	1281.9	1279.4
12.5°	1358.8	1339.3	1335.1	1325.0	1325.0	1312.3	1292.0	1287.8	1293.7	1289.5	1285.3
15°	1417.0	1390.8	1384.1	1366.4	1349.5	1325.8	1304.7	1299.6	1303.9	1298.8	1295.4
17.5°	1482.0	1452.5	1430.5	1399.3	1362.1	1334.3	1310.6	1299.6	1292.9	1282.7	1281.9
20°	1546.2	1507.4	1470.2	1420.4	1371.4	1329.2	1290.4	1261.6	1237.1	1221.9	1216.0
22.5°	1620.5	1563.1	1503.2	1433.1	1363.0	1298.8	1230.4	1181.4	1139.2	1124.8	1118.1
25°	1699.9	1625.6	1536.1	1444.9	1334.3	1231.2	1138.3	1065.7	1010.0	991.4	983.8
27.5°	1787.7	1685.6	1569.9	1442.4	1275.1	1135.0	1011.7	921.3	866.4	849.5	855.4
30°	1899.2	1763.3	1612.1	1416.2	1186.5	999.9	855.4	779.4	738.1	722.0	722.9
32.5°	2047.8	1874.7	1673.7	1360.4	1072.5	846.2	719.5	663.8	635.9	614.8	613.1
35°	2260.6	2044.5	1731.2	1270.9	934.0	709.4	617.3	573.4	534.5	510.1	514.3
37.5°	2515.7	2258.1	1762.4	1150.2	778.6	603.0	540.5	495.7	451.8	415.5	419.7
40°	2818.0	2537.6	1759.9	991.4	636.7	530.3	476.3	423.9	369.0	336.1	339.5
42.5°	3154.9	2802.0	1705.0	823.4	527.8	471.2	414.6	348.8	295.6	275.3	276.1
45°	3447.1	3016.4	1608.7	649.4	444.2	413.8	350.5	282.9	259.3	244.9	244.1
47.5°	3663.3	3173.5	1471.1	510.9	376.6	361.4	288.0	253.3	234.8	222.9	221.3
50°	3784.1	3228.4	1319.1	400.3	318.4	306.5	257.6	229.7	217.0	209.4	207.7
52.5°	3946.2	3294.3	1210.1	315.8	266.9	250.8	237.3	213.7	205.2	199.3	196.8
55°	4202.9	3421.8	1115.5	250.8	222.1	218.7	223.8	204.4	199.3	190.0	186.6
57.5°	3961.4	3073.9	866.4	194.2	187.5	200.1	216.2	195.1	182.4	174.0	170.6
60°	2787.6	2043.6	435.7	156.2	167.2	187.5	203.5	176.5	163.8	165.5	163.8
62.5°	1536.9	1022.7	195.9	130.9	145.2	165.5	174.0	152.8	144.4	158.8	161.3
65°	502.5	347.9	113.2	101.3	114.8	135.1	150.3	145.2	143.6	160.4	165.5
67.5°	154.5	114.8	76.8	72.6	79.4	99.6	126.7	157.1	168.9	174.0	176.5
70°	115.7	90.4	65.9	61.6	65.0	76.0	107.2	130.9	123.3	124.1	122.4
72.5°	92.9	71.8	56.6	54.0	54.0	52.4	56.6	70.9	80.2	84.4	84.4
75°	65.0	50.7	43.1	39.7	31.2	25.3	22.8	22.8	20.3	19.4	18.6
77.5°	22.0	18.6	16.9	13.5	9.3	7.6	6.8	5.9	4.2	2.5	1.7
80°	3.4	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.0	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.0	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	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)