

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: P630278

Luminaire Tested: GWS-SA1D-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-735-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

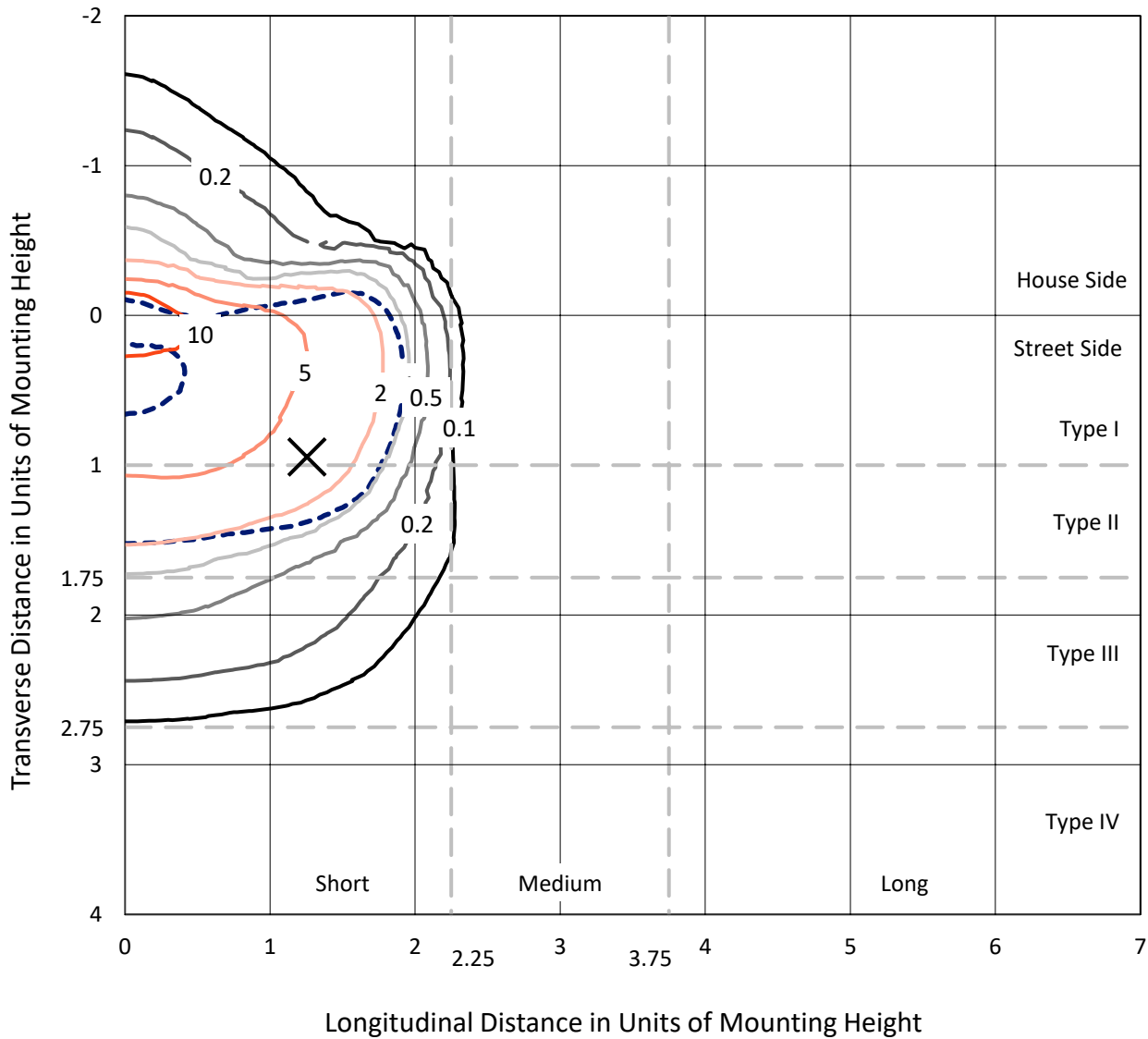
Lumens per Lamp: N/A  
Luminaire Lumens: 3498.1 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

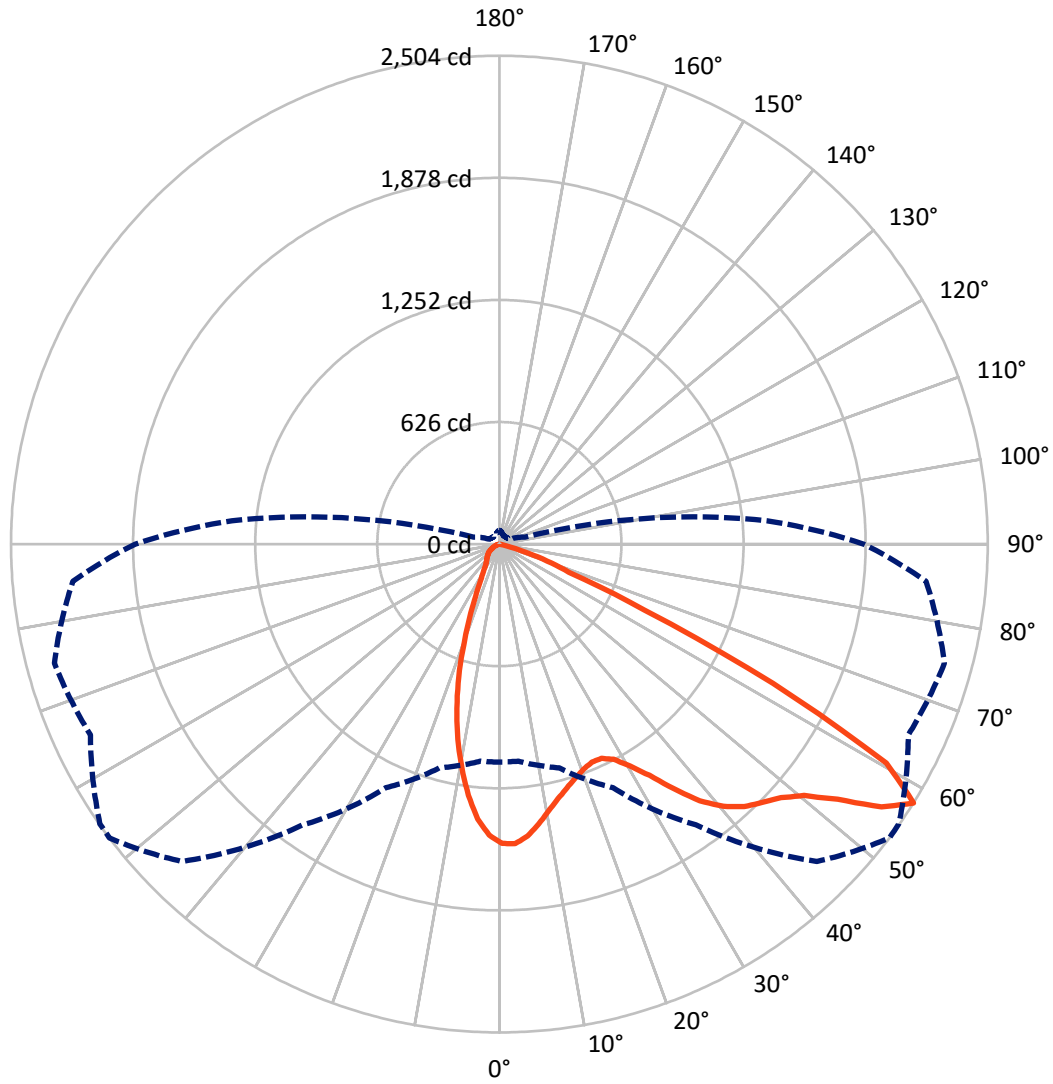
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	577.8	0.0	577.8
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2920.3	0.0	2920.3
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	3498.1	0.0	3498.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	3.8
10°-20°	288.2	8.2
20°-30°	375.5	10.7
30°-40°	544.6	15.6
40°-50°	785.9	22.5
50°-60°	950.4	27.2
60°-70°	387.4	11.1
70°-80°	34.8	1.0
80°-90°	0.0	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°	3498.1	100.0
0°-180°	3498.1	100.0

**Coefficient of Utilization**



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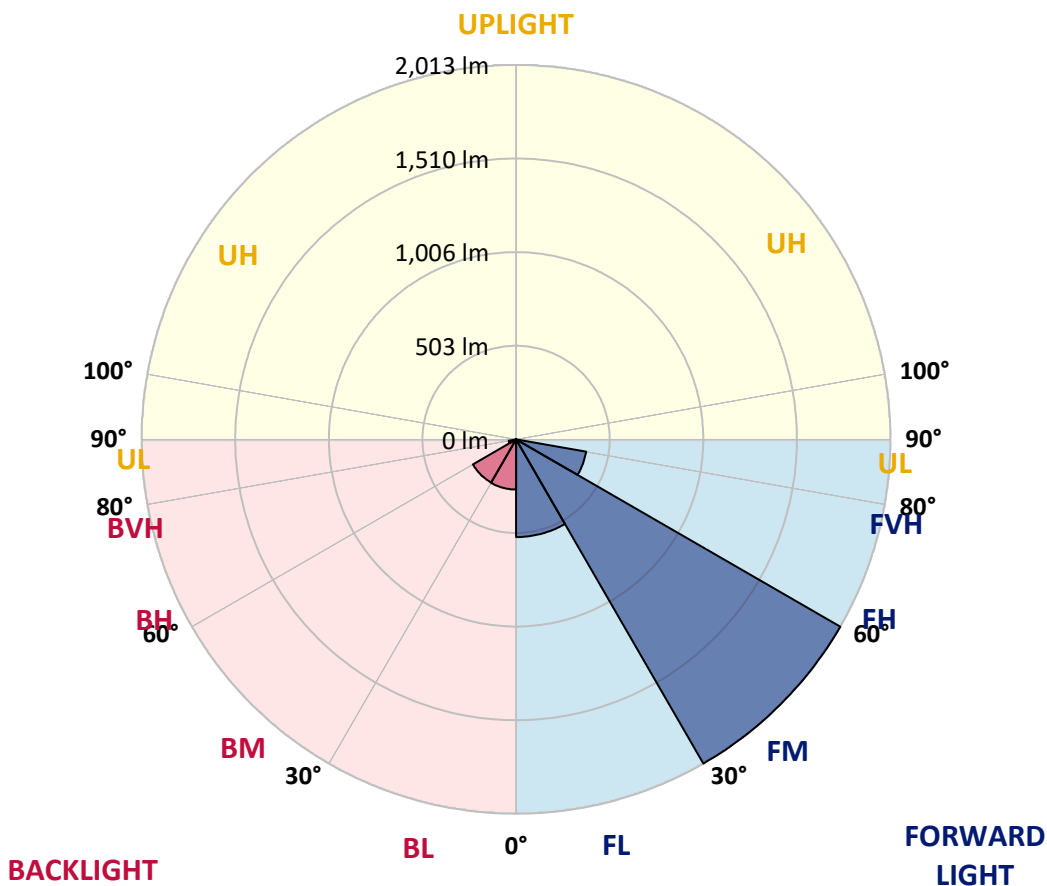
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.3	15.0			
FM (30°-60°)	2012.7	57.5			
FH (60°-80°)	382.2	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	269.7	7.7	B1/500		
BM (30°-60°)	268.2	7.7	B1/1000		
BH (60°-80°)	39.9	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5
2.5°	1513.0	1516.5	1522.5	1530.2	1535.3	1537.9	1537.9	1545.2	1540.5	1536.6	1532.3
5°	1448.3	1451.7	1459.9	1472.3	1484.7	1493.7	1504.0	1511.7	1514.7	1514.7	1507.5
7.5°	1357.0	1361.7	1366.8	1384.0	1411.0	1431.1	1448.7	1459.9	1476.2	1481.3	1471.0
10°	1258.8	1263.5	1275.1	1298.7	1329.5	1359.5	1389.6	1403.7	1431.6	1446.1	1434.6
12.5°	1175.6	1177.8	1193.2	1221.5	1260.9	1302.1	1338.5	1353.1	1392.6	1414.4	1400.7
15°	1107.0	1108.3	1123.7	1155.0	1200.5	1251.1	1296.9	1311.9	1360.4	1393.4	1372.8
17.5°	1055.1	1055.6	1068.9	1102.7	1150.3	1206.5	1260.9	1279.4	1342.0	1381.8	1351.0
20°	1029.0	1027.7	1037.1	1066.7	1111.7	1167.9	1232.2	1254.9	1331.7	1380.1	1334.2
22.5°	1029.4	1026.4	1030.3	1051.3	1089.4	1142.2	1214.2	1239.9	1332.5	1387.4	1320.1
25°	1053.8	1049.6	1050.4	1061.6	1088.6	1136.6	1216.8	1244.2	1349.7	1411.8	1315.0
27.5°	1095.0	1090.3	1090.3	1095.9	1110.4	1154.2	1248.9	1280.2	1395.6	1459.4	1325.7
30°	1148.2	1143.5	1141.7	1147.3	1159.3	1199.6	1320.5	1353.1	1474.0	1537.5	1360.0
32.5°	1209.1	1203.5	1206.5	1214.2	1225.8	1281.5	1412.7	1456.0	1572.2	1642.5	1421.7
35°	1273.4	1268.6	1282.4	1299.1	1317.1	1395.1	1540.0	1577.8	1692.7	1773.3	1516.0
37.5°	1334.7	1332.5	1361.3	1396.4	1433.7	1531.5	1669.5	1698.7	1796.0	1915.6	1631.4
40°	1396.0	1395.6	1444.9	1506.6	1566.2	1667.4	1767.7	1791.7	1859.0	2026.2	1742.0
42.5°	1464.6	1464.6	1532.8	1615.1	1694.4	1782.3	1839.7	1850.4	1887.3	2090.1	1825.2
45°	1530.2	1534.0	1612.9	1708.5	1802.4	1871.9	1889.5	1890.3	1898.9	2127.8	1894.2
47.5°	1582.1	1585.5	1679.8	1790.0	1891.2	1940.1	1942.6	1938.8	1929.3	2163.9	1947.3
50°	1624.1	1629.2	1727.8	1844.4	1952.1	2005.7	2025.4	2021.5	1997.5	2202.4	1984.6
52.5°	1644.7	1651.9	1744.5	1871.5	2019.8	2118.0	2172.9	2181.9	2099.5	2223.9	2020.2
55°	1480.0	1490.7	1576.1	1749.7	2057.5	2291.6	2377.8	2376.1	2210.2	2287.8	2106.8
57.5°	1117.7	1116.9	1187.6	1377.5	1757.4	2301.5	2503.9	2500.4	2313.5	2361.9	2195.6
60°	761.0	755.9	774.7	866.5	1228.8	1874.9	2278.8	2325.1	2240.2	2181.9	1864.2
62.5°	626.4	621.7	615.7	590.4	705.7	1167.9	1574.3	1644.7	1633.5	1516.5	1169.2
65°	512.8	516.6	533.4	522.6	490.9	599.0	817.2	858.8	785.0	660.7	408.6
67.5°	378.2	379.9	401.7	458.3	441.2	398.7	384.6	391.4	229.4	105.5	68.2
70°	223.4	224.7	244.8	320.7	358.0	306.1	259.8	256.0	90.9	28.3	30.9
72.5°	126.5	123.9	127.8	152.6	195.1	162.5	133.8	121.8	27.4	15.9	15.9
75°	60.0	58.3	50.2	47.2	42.9	27.4	17.1	14.6	6.9	6.4	6.4
77.5°	0.4	1.3	0.9	1.3	1.3	0.9	0.4	0.4	1.3	1.3	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5
2.5°	1524.6	1511.7	1508.7	1507.9	1495.9	1483.0	1469.7	1464.6	1456.9	1452.1	1456.0
5°	1495.9	1477.4	1461.2	1446.1	1419.6	1390.4	1365.1	1348.8	1333.4	1323.1	1325.7
7.5°	1455.1	1431.1	1393.8	1355.7	1306.8	1263.1	1214.2	1184.2	1156.3	1140.9	1148.2
10°	1411.8	1380.1	1320.5	1255.8	1179.0	1110.4	1040.6	983.5	950.5	919.2	922.7
12.5°	1369.4	1327.4	1238.2	1140.0	1043.1	941.9	836.5	757.6	703.6	664.5	658.5
15°	1330.0	1275.9	1158.0	1028.6	896.5	761.9	627.2	514.5	451.9	413.3	410.7
17.5°	1294.8	1227.9	1074.9	911.9	746.4	574.1	419.3	334.8	298.8	282.1	280.4
20°	1260.9	1179.5	990.0	793.6	582.7	403.0	289.4	250.4	238.8	231.9	232.8
22.5°	1228.3	1126.7	900.8	662.4	436.9	283.0	224.2	209.2	207.9	208.8	209.2
25°	1200.9	1078.3	809.0	535.9	311.7	215.7	187.4	183.1	186.9	192.5	193.4
27.5°	1186.8	1038.8	719.4	408.6	225.5	175.4	162.5	164.2	171.1	177.1	177.9
30°	1190.6	1009.3	626.8	296.3	173.6	147.9	143.6	147.1	153.9	159.5	160.3
32.5°	1218.1	994.3	532.1	215.7	142.8	129.1	127.3	129.9	135.9	140.2	140.6
35°	1272.5	997.7	442.0	165.1	122.6	114.9	114.5	116.2	119.2	122.2	122.6
37.5°	1352.7	1025.5	353.3	137.2	111.0	105.5	103.8	103.8	105.9	107.2	108.0
40°	1438.9	1067.6	283.0	121.3	102.9	96.9	93.5	92.2	93.9	95.6	96.0
42.5°	1510.0	1109.6	229.8	110.2	96.5	88.3	84.0	83.2	85.3	88.3	89.2
45°	1564.5	1142.2	191.6	101.2	89.2	80.2	75.5	75.5	79.3	84.5	85.3
47.5°	1614.2	1168.3	163.4	93.0	82.3	72.9	68.2	69.0	75.5	82.3	83.6
50°	1648.1	1189.3	142.3	85.7	76.7	66.9	62.6	64.3	72.0	80.2	81.5
52.5°	1684.5	1215.1	128.6	79.3	71.6	62.2	58.3	59.6	68.2	77.2	78.9
55°	1785.3	1301.2	128.2	70.7	62.6	55.7	54.0	54.5	63.0	73.3	75.5
57.5°	1867.6	1377.1	136.8	59.6	52.3	48.9	48.0	48.4	56.2	67.7	70.3
60°	1545.2	1070.1	113.2	49.3	43.7	42.9	41.6	42.4	49.7	60.0	62.2
62.5°	914.5	611.8	54.0	37.7	37.3	36.4	35.2	36.9	43.7	52.7	54.0
65°	312.6	181.4	34.3	30.9	31.7	30.4	29.2	30.9	36.9	42.0	42.4
67.5°	60.0	48.0	27.4	25.7	26.2	23.6	23.2	24.9	28.3	29.2	28.7
70°	31.3	27.9	21.0	21.0	20.2	16.7	16.7	18.4	18.4	17.1	16.7
72.5°	16.3	15.4	13.7	15.4	12.9	10.3	10.3	11.1	10.3	8.6	8.6
75°	6.4	6.4	6.0	7.7	5.6	4.7	4.3	5.1	3.9	3.0	3.0
77.5°	1.7	1.7	1.7	2.1	1.3	1.3	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)