

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526699

Luminaire Tested: **GALN-SA1C-830-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-830-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3306 lumens
Efficiency: N/A
Efficacy: 58.0 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

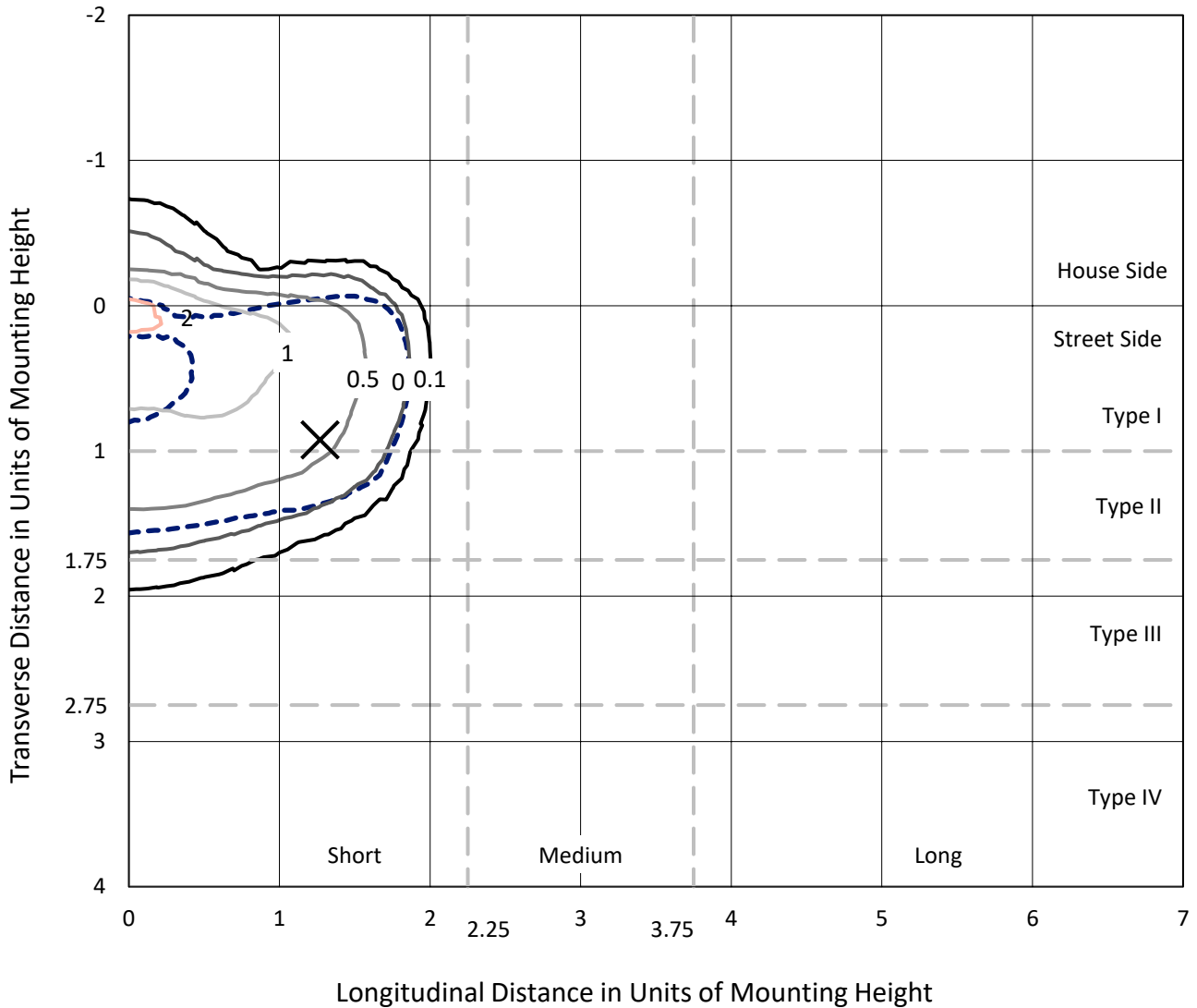
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

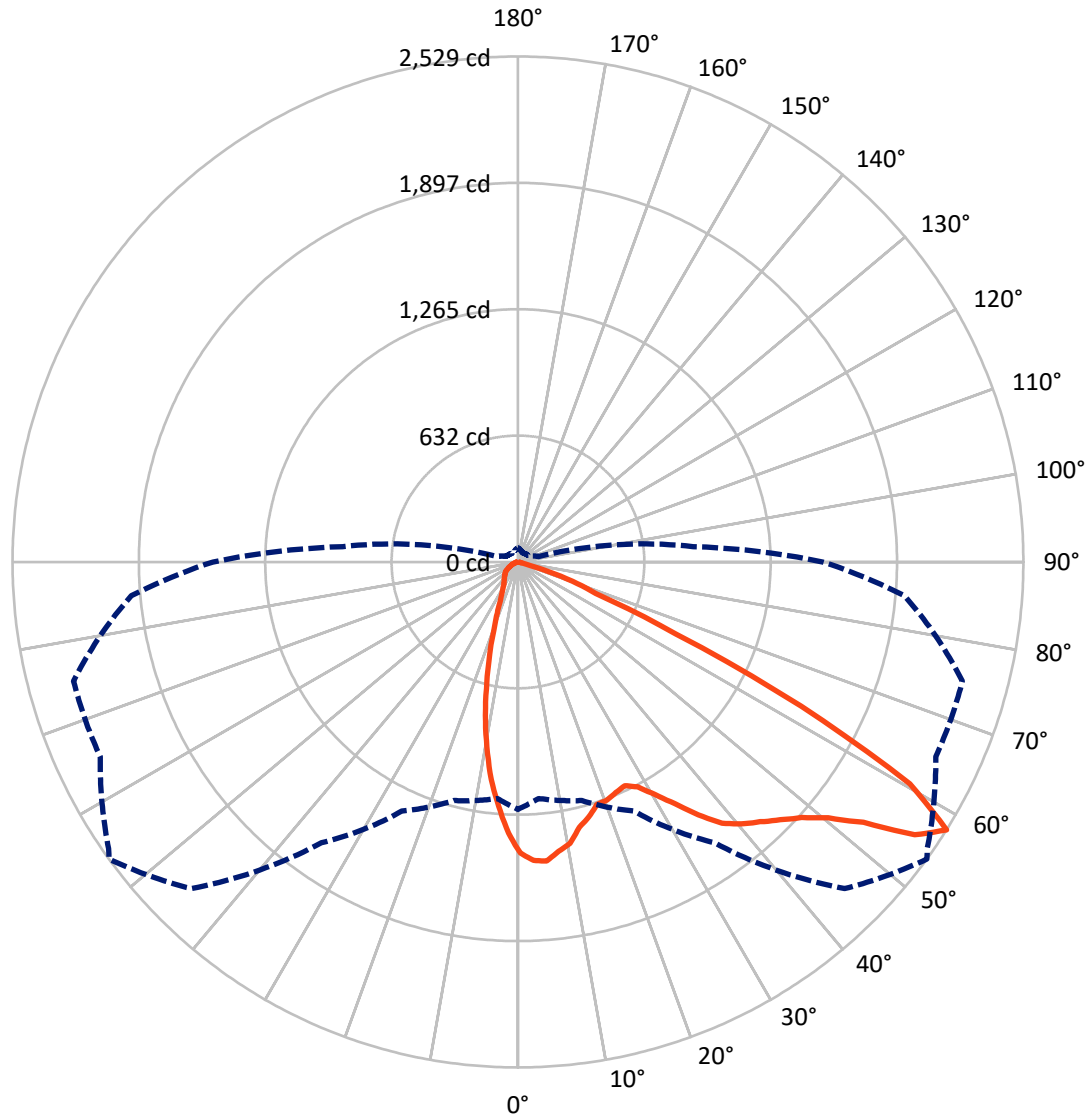
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	467.2	0.0	467.2
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	2838.8	0.0	2838.8
	% Fixture	85.9	0.0	85.9
Total	Lumens	3306.0	0.0	3306.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.7
10°-20°	260.2	7.9
20°-30°	344.8	10.4
30°-40°	501.1	15.2
40°-50°	743.1	22.5
50°-60°	929.2	28.1
60°-70°	366.5	11.1
70°-80°	36.5	1.1
80°-90°	2.8	0.1
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°	3306.0	100.0
0°-180°	3306.0	100.0

Coefficient of Utilization

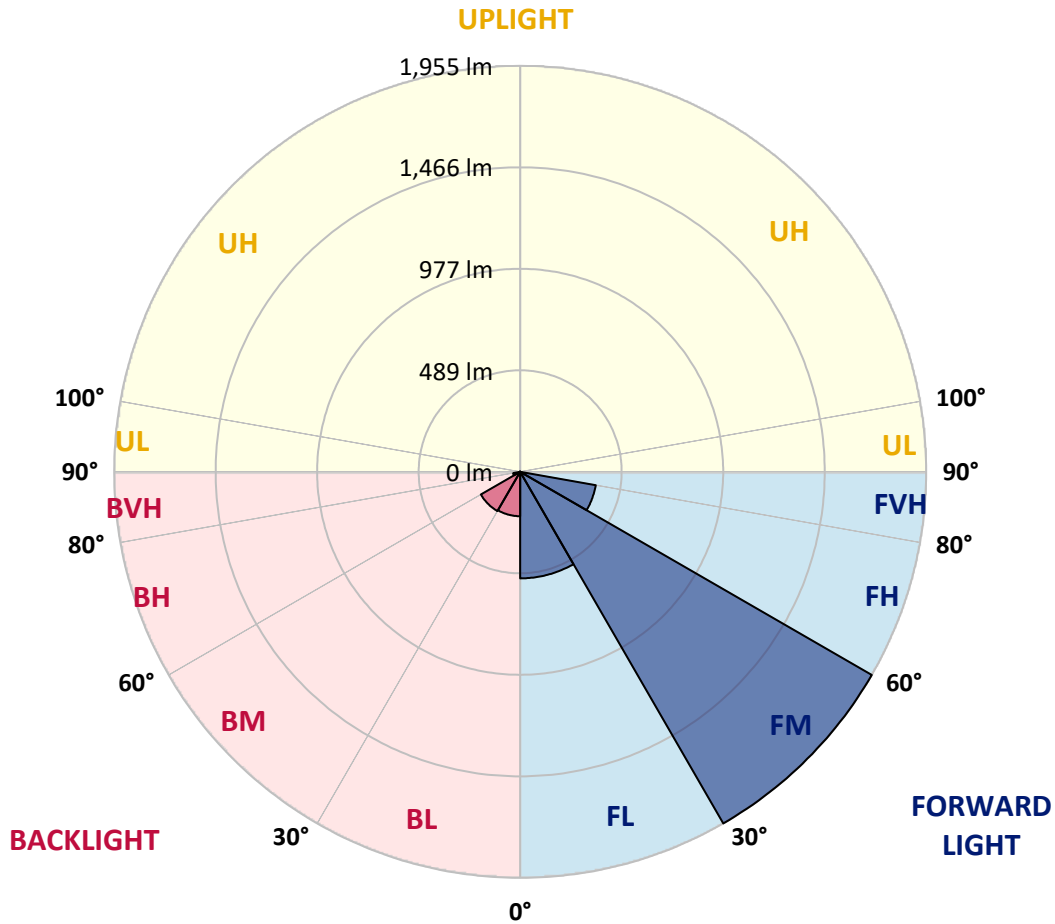


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.2	15.5			
FM (30°-60°)	1954.8	59.1			
FH (60°-80°)	369.5	11.2			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	213.7	6.5	B1/500		
BM (30°-60°)	218.5	6.6	B0/220		
BH (60°-80°)	33.5	1.0	B0/110		G0/110
BVH (80°-90°)	1.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3
2.5°	1541.2	1525.2	1526.4	1520.9	1513.5	1519.0	1495.1	1500.6	1500.0	1467.4	1445.9
5°	1502.4	1519.7	1501.8	1516.6	1502.4	1517.8	1503.1	1492.0	1474.2	1450.2	1410.2
7.5°	1436.7	1420.1	1425.0	1443.4	1446.5	1480.9	1462.5	1476.6	1469.2	1421.9	1367.2
10°	1304.5	1300.8	1325.4	1350.0	1380.1	1417.0	1431.1	1423.1	1417.6	1399.8	1326.6
12.5°	1203.1	1213.5	1212.9	1253.5	1304.5	1325.4	1362.3	1361.1	1391.8	1358.6	1288.5
15°	1106.5	1112.1	1137.9	1163.1	1219.7	1279.3	1324.8	1330.9	1367.8	1344.5	1259.0
17.5°	1047.5	1039.5	1059.8	1089.9	1147.7	1225.8	1276.2	1291.0	1341.4	1336.5	1225.2
20°	989.1	989.1	1005.7	1041.4	1094.3	1182.2	1271.9	1267.6	1341.4	1327.2	1188.9
22.5°	969.5	979.3	983.6	1010.6	1073.3	1149.0	1253.5	1261.5	1351.8	1322.9	1172.9
25°	996.5	983.6	984.8	1006.3	1065.4	1133.0	1239.9	1257.8	1370.9	1344.5	1160.0
27.5°	1000.8	1013.7	1017.4	1032.2	1071.5	1137.9	1273.8	1310.0	1418.2	1394.9	1163.7
30°	1038.3	1051.2	1050.6	1075.8	1102.9	1177.9	1349.4	1356.7	1516.0	1458.2	1186.5
32.5°	1083.8	1097.3	1101.6	1131.1	1152.7	1251.0	1441.6	1460.6	1610.0	1557.8	1246.1
35°	1140.4	1135.4	1155.1	1184.6	1230.7	1358.0	1554.1	1586.0	1711.5	1686.9	1307.6
37.5°	1211.1	1204.9	1224.0	1271.9	1334.6	1484.6	1658.0	1678.9	1785.2	1806.7	1421.3
40°	1260.8	1263.3	1321.1	1385.6	1452.0	1605.1	1723.8	1744.0	1836.9	1918.6	1507.4
42.5°	1343.8	1359.2	1428.7	1507.4	1576.8	1695.5	1777.2	1796.9	1860.8	2008.4	1623.5
45°	1464.3	1457.6	1534.4	1622.3	1699.2	1789.5	1840.6	1833.8	1875.0	2097.5	1696.7
47.5°	1619.2	1620.5	1671.5	1746.5	1826.4	1871.3	1911.3	1887.3	1904.5	2191.6	1794.4
50°	1725.0	1734.2	1775.4	1852.2	1892.2	1961.0	2012.1	1997.3	1991.8	2248.1	1855.9
52.5°	1752.0	1779.7	1801.8	1897.7	1991.2	2100.0	2165.1	2196.5	2098.1	2267.2	1934.0
55°	1547.9	1572.5	1650.6	1782.2	2028.7	2320.1	2409.8	2410.4	2237.1	2352.0	1988.7
57.5°	1237.5	1187.7	1235.6	1375.2	1715.1	2310.8	2529.1	2500.2	2306.5	2302.2	1941.4
60°	855.7	843.4	846.5	901.8	1187.1	1838.1	2253.7	2291.2	2124.0	1995.5	1536.9
62.5°	678.1	667.6	654.1	647.9	737.1	1145.3	1589.7	1642.6	1485.2	1294.0	911.1
65°	531.1	525.0	526.8	551.4	550.8	649.8	869.3	847.7	678.7	501.6	286.5
67.5°	358.4	367.6	375.0	449.4	487.5	452.5	419.9	407.6	220.7	92.8	63.3
70°	201.6	202.9	210.9	280.9	370.1	351.0	289.5	289.5	110.0	33.8	36.3
72.5°	110.0	106.4	99.0	121.1	164.8	167.2	129.1	112.5	32.6	22.1	20.3
75°	53.5	52.9	45.5	37.5	35.7	29.5	22.7	20.9	14.8	14.1	12.3
77.5°	11.1	10.5	5.5	5.5	6.1	6.8	8.6	8.6	10.5	10.5	8.6
80°	0.0	0.0	0.6	2.5	4.3	6.1	7.4	7.4	8.6	8.6	6.8
82.5°	0.0	0.0	0.6	1.8	3.7	5.5	6.8	7.4	8.6	9.2	7.4
85°	0.0	0.0	0.0	1.2	3.1	4.3	3.7	3.7	3.1	2.5	1.2
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°	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3	1456.3
2.5°	1434.8	1433.6	1405.3	1389.3	1360.4	1335.2	1314.9	1300.2	1300.2	1291.0	1282.4
5°	1394.2	1383.8	1323.6	1284.8	1230.1	1189.5	1161.9	1140.4	1106.5	1115.8	1079.5
7.5°	1343.8	1317.4	1237.5	1178.5	1102.9	1045.1	986.1	933.8	883.4	860.6	872.9
10°	1289.7	1243.6	1136.1	1042.6	948.6	842.8	774.0	690.4	638.7	635.6	622.1
12.5°	1232.6	1180.3	1049.4	920.3	796.7	669.5	564.3	486.3	451.2	412.5	419.9
15°	1189.5	1112.1	952.9	797.3	633.2	504.7	399.0	338.7	305.5	296.3	293.2
17.5°	1142.8	1059.8	854.5	666.4	496.7	363.3	287.1	258.2	245.3	245.3	243.4
20°	1094.3	1000.8	756.8	544.7	372.5	271.1	229.9	220.7	220.1	219.5	219.5
22.5°	1062.3	933.2	668.2	432.8	280.9	217.0	199.8	196.1	198.6	205.9	205.9
25°	1028.5	868.0	570.5	333.8	217.6	186.3	176.4	178.9	185.0	191.8	189.3
27.5°	994.0	825.6	478.3	261.9	178.3	162.9	159.2	164.8	171.5	177.7	175.8
30°	986.1	780.1	391.0	198.6	153.1	142.0	144.5	149.4	156.1	158.6	161.1
32.5°	998.4	744.5	320.3	162.9	133.4	130.3	130.3	132.8	137.1	142.6	140.8
35°	1033.4	724.2	253.3	141.4	122.3	119.3	118.6	121.1	123.6	125.4	123.6
37.5°	1086.9	708.2	207.2	125.4	115.0	110.0	108.8	108.2	110.7	111.3	112.5
40°	1155.1	716.8	175.8	115.6	107.6	102.0	98.4	98.4	98.4	100.2	100.8
42.5°	1228.9	728.5	151.8	110.0	100.8	94.1	90.4	89.1	90.4	92.8	92.2
45°	1306.3	751.2	136.5	101.4	94.7	86.1	81.1	79.9	83.0	87.9	87.3
47.5°	1378.9	783.8	124.8	95.9	88.5	80.5	74.4	73.2	78.7	85.4	86.1
50°	1451.4	840.4	120.5	91.6	84.2	75.0	69.5	68.2	74.4	83.0	84.8
52.5°	1535.0	901.2	117.4	86.1	79.3	70.7	64.5	63.3	70.1	81.1	81.8
55°	1589.7	952.9	115.0	76.2	70.1	63.9	59.0	58.4	65.8	75.6	78.1
57.5°	1525.8	880.9	106.4	66.4	59.6	56.6	52.3	52.3	58.4	67.6	69.5
60°	1157.0	579.7	75.6	53.5	50.4	48.6	46.7	46.7	51.6	58.4	59.0
62.5°	677.5	312.3	48.6	43.0	43.0	41.2	38.1	38.1	43.0	46.7	47.3
65°	201.0	100.2	39.3	36.9	36.3	33.2	30.1	29.5	33.2	35.0	34.4
67.5°	57.8	46.1	32.6	30.7	30.1	25.2	23.4	22.7	23.4	22.1	21.5
70°	34.4	31.4	25.2	25.8	22.7	18.4	16.6	16.0	14.8	12.9	11.7
72.5°	19.1	19.1	18.4	19.7	16.0	12.3	10.5	8.6	6.8	5.5	4.9
75°	11.7	12.3	12.9	13.5	10.5	8.0	6.8	4.3	2.5	1.2	1.2
77.5°	8.0	8.6	9.2	9.8	8.6	7.4	5.5	3.1	0.6	0.0	0.0
80°	6.1	6.8	8.0	8.6	9.2	9.8	7.4	3.1	0.6	0.0	0.0
82.5°	6.8	7.4	9.2	8.6	8.6	8.6	6.8	3.1	0.6	0.0	0.0
85°	1.2	1.8	3.1	3.1	4.3	5.5	4.3	1.2	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)