

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: P526569

Luminaire Tested: **GALN-SA1C-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526569
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-735-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 3875 lumens
Efficiency: N/A
Efficacy: 68.0 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

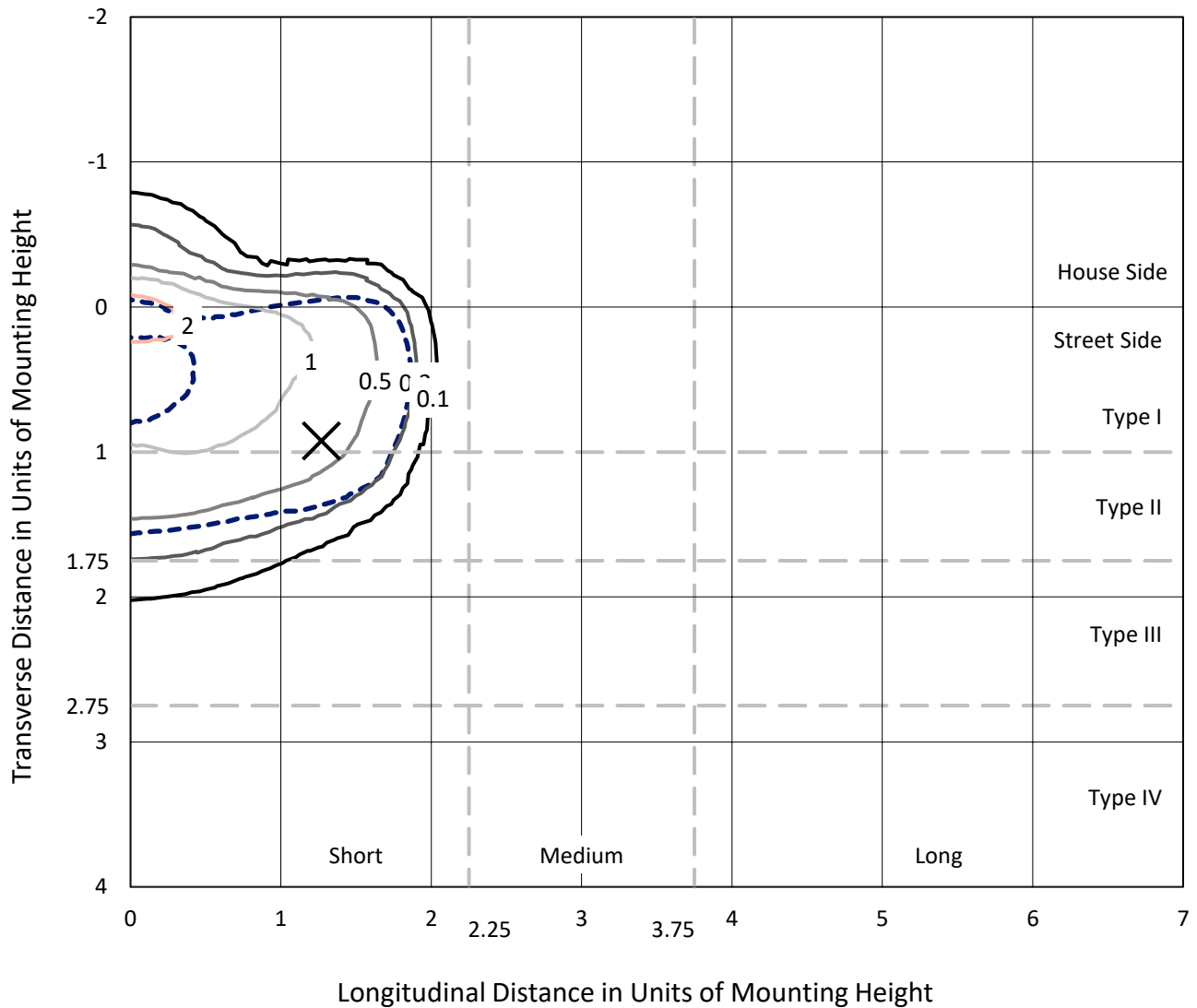
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

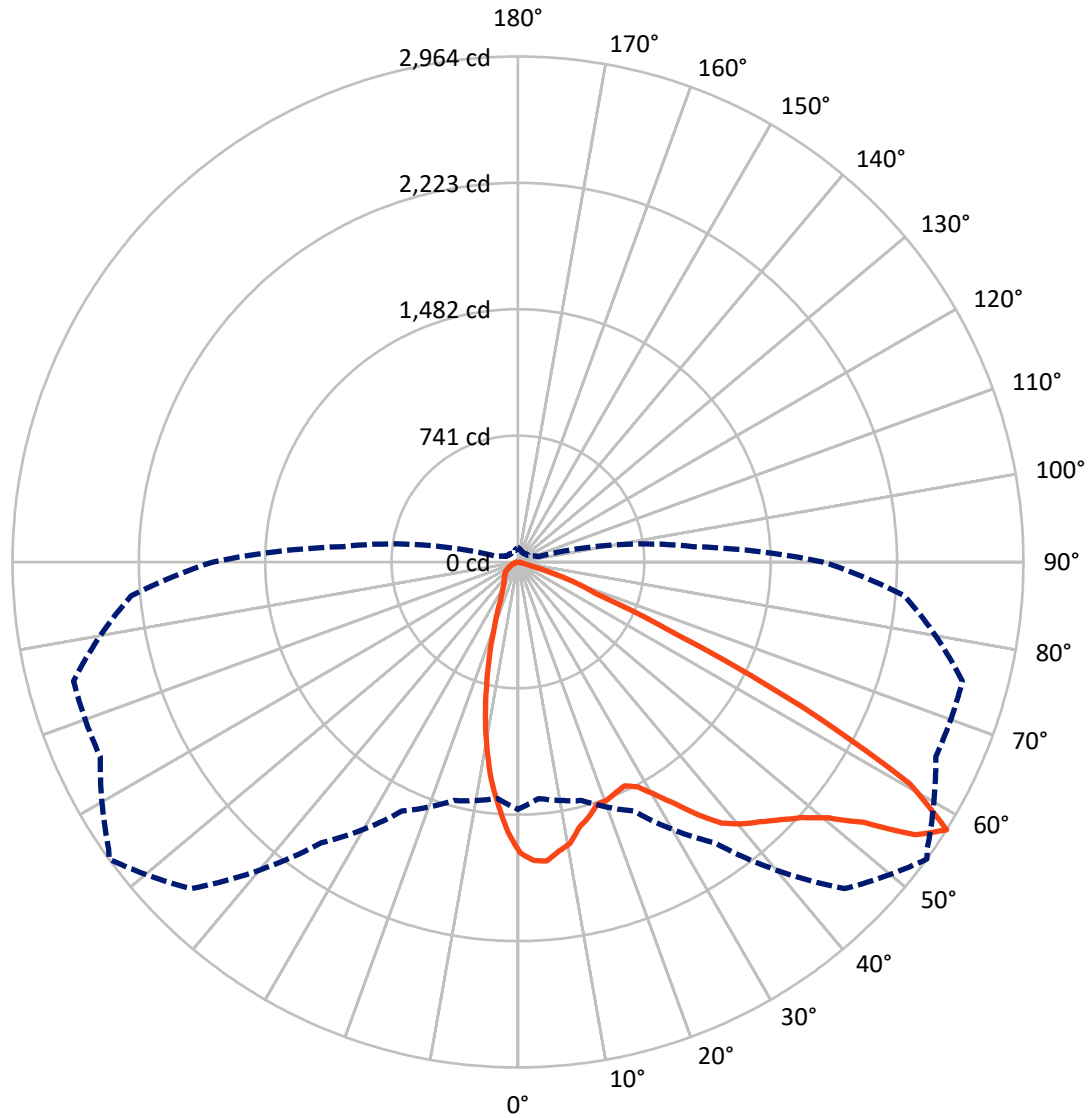
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	547.6	0.0	547.6
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	3327.4	0.0	3327.4
	% Fixture	85.9	0.0	85.9
Total	Lumens	3875.0	0.0	3875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	3.7
10°-20°	305.0	7.9
20°-30°	404.1	10.4
30°-40°	587.3	15.2
40°-50°	870.9	22.5
50°-60°	1089.1	28.1
60°-70°	429.6	11.1
70°-80°	42.8	1.1
80°-90°	3.3	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°	3875.0	100.0
0°-180°	3875.0	100.0

Coefficient of Utilization

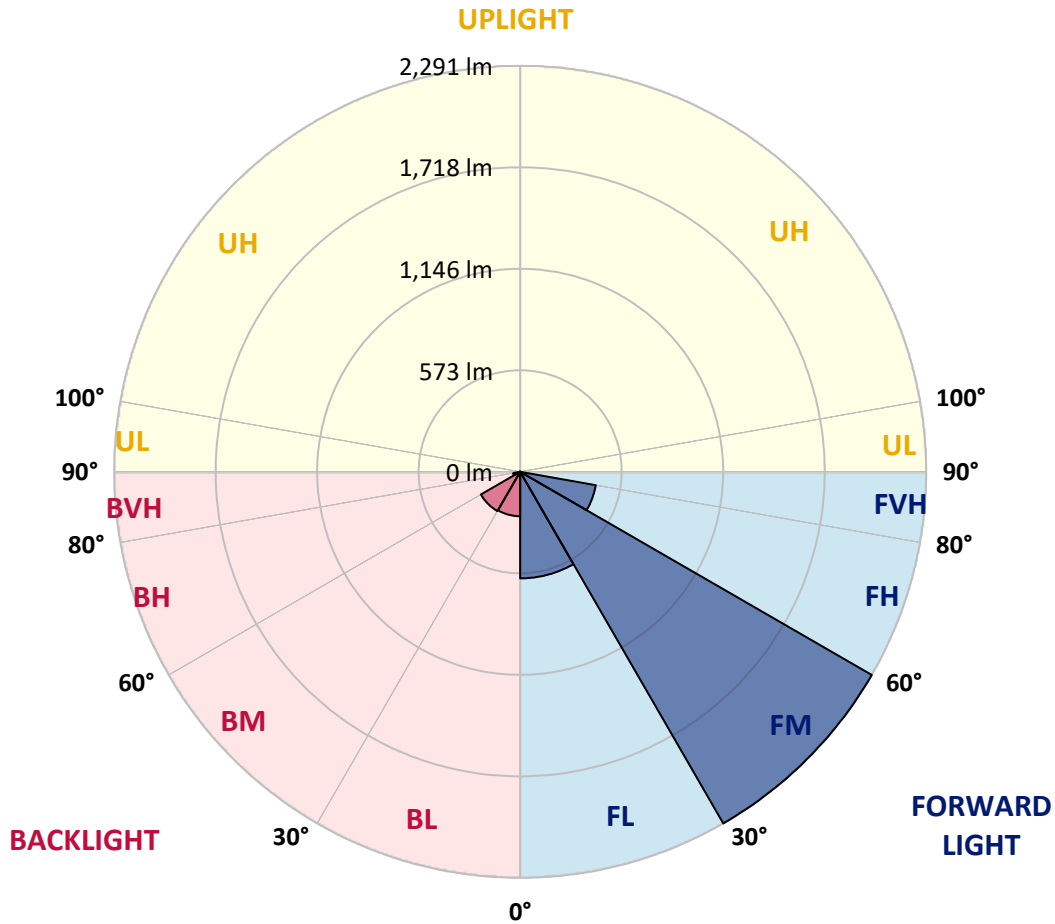


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.5	15.5			
FM (30°-60°)	2291.3	59.1			
FH (60°-80°)	433.1	11.2			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	250.4	6.5	B1/500		
BM (30°-60°)	256.1	6.6	B1/1000		
BH (60°-80°)	39.3	1.0	B0/110		G0/110
BVH (80°-90°)	1.8	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°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1806.4	1787.7	1789.1	1782.6	1774.0	1780.5	1752.4	1758.9	1758.1	1720.0	1694.7
5°	1761.0	1781.2	1760.3	1777.6	1761.0	1779.0	1761.8	1748.8	1727.9	1699.8	1652.9
7.5°	1683.9	1664.5	1670.2	1691.9	1695.5	1735.8	1714.2	1730.8	1722.1	1666.6	1602.5
10°	1529.0	1524.7	1553.5	1582.3	1617.6	1660.9	1677.4	1668.1	1661.6	1640.7	1555.0
12.5°	1410.1	1422.4	1421.7	1469.2	1529.0	1553.5	1596.7	1595.3	1631.3	1592.4	1510.3
15°	1297.0	1303.5	1333.7	1363.3	1429.6	1499.5	1552.8	1560.0	1603.2	1575.8	1475.7
17.5°	1227.8	1218.5	1242.2	1277.5	1345.3	1436.8	1495.9	1513.2	1572.2	1566.5	1436.1
20°	1159.4	1159.4	1178.8	1220.6	1282.6	1385.6	1490.8	1485.8	1572.2	1555.7	1393.5
22.5°	1136.3	1147.8	1152.9	1184.6	1258.1	1346.7	1469.2	1478.6	1584.5	1550.6	1374.8
25°	1168.0	1152.9	1154.3	1179.5	1248.7	1328.0	1453.4	1474.3	1606.8	1575.8	1359.7
27.5°	1173.1	1188.2	1192.5	1209.8	1255.9	1333.7	1493.0	1535.5	1662.3	1634.9	1364.0
30°	1217.0	1232.1	1231.4	1261.0	1292.7	1380.6	1581.6	1590.3	1776.9	1709.2	1390.7
32.5°	1270.3	1286.2	1291.2	1325.8	1351.0	1466.3	1689.7	1712.0	1887.1	1825.9	1460.6
35°	1336.6	1330.9	1353.9	1388.5	1442.5	1591.7	1821.6	1859.0	2006.0	1977.2	1532.6
37.5°	1419.5	1412.3	1434.6	1490.8	1564.3	1740.1	1943.3	1967.8	2092.5	2117.7	1665.9
40°	1477.9	1480.7	1548.5	1624.1	1701.9	1881.4	2020.4	2044.2	2153.0	2248.8	1766.8
42.5°	1575.1	1593.1	1674.6	1766.8	1848.2	1987.3	2083.1	2106.2	2181.1	2354.0	1903.0
45°	1716.4	1708.4	1798.5	1901.5	1991.6	2097.5	2157.3	2149.4	2197.7	2458.5	1988.7
47.5°	1897.9	1899.4	1959.2	2047.1	2140.8	2193.4	2240.2	2212.1	2232.3	2568.8	2103.3
50°	2021.9	2032.7	2081.0	2171.0	2217.9	2298.6	2358.4	2341.1	2334.6	2635.1	2175.3
52.5°	2053.6	2086.0	2111.9	2224.3	2333.9	2461.4	2537.8	2574.5	2459.2	2657.4	2266.9
55°	1814.4	1843.2	1934.7	2088.9	2377.8	2719.4	2824.6	2825.3	2622.1	2756.8	2331.0
57.5°	1450.5	1392.1	1448.3	1611.9	2010.3	2708.6	2964.4	2930.5	2703.5	2698.5	2275.5
60°	1003.0	988.6	992.2	1057.1	1391.4	2154.5	2641.5	2685.5	2489.5	2338.9	1801.4
62.5°	794.8	782.5	766.7	759.5	863.9	1342.4	1863.3	1925.3	1740.9	1516.8	1067.9
65°	622.6	615.4	617.5	646.3	645.6	761.6	1018.9	993.6	795.5	588.0	335.8
67.5°	420.1	430.9	439.5	526.7	571.4	530.3	492.1	477.7	258.7	108.8	74.2
70°	236.3	237.8	247.1	329.3	433.8	411.4	339.4	339.4	129.0	39.6	42.5
72.5°	129.0	124.7	116.0	141.9	193.1	196.0	151.3	131.9	38.2	25.9	23.8
75°	62.7	62.0	53.3	44.0	41.8	34.6	26.7	24.5	17.3	16.6	14.4
77.5°	13.0	12.2	6.5	6.5	7.2	7.9	10.1	10.1	12.2	12.2	10.1
80°	0.0	0.0	0.7	2.9	5.0	7.2	8.6	8.6	10.1	10.1	7.9
82.5°	0.0	0.0	0.7	2.2	4.3	6.5	7.9	8.6	10.1	10.8	8.6
85°	0.0	0.0	0.0	1.4	3.6	5.0	4.3	4.3	3.6	2.9	1.4
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°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1681.8	1680.3	1647.2	1628.4	1594.6	1565.0	1541.3	1524.0	1524.0	1513.2	1503.1
5°	1634.2	1622.0	1551.4	1506.0	1441.8	1394.3	1361.8	1336.6	1297.0	1307.8	1265.3
7.5°	1575.1	1544.1	1450.5	1381.3	1292.7	1224.9	1155.8	1094.5	1035.4	1008.8	1023.2
10°	1511.7	1457.7	1331.6	1222.1	1111.8	987.9	907.2	809.2	748.7	745.1	729.2
12.5°	1444.7	1383.5	1230.0	1078.7	933.8	784.7	661.5	570.0	528.9	483.5	492.1
15°	1394.3	1303.5	1116.9	934.6	742.2	591.6	467.6	397.0	358.1	347.3	343.7
17.5°	1339.5	1242.2	1001.6	781.1	582.2	425.8	336.5	302.6	287.5	287.5	285.3
20°	1282.6	1173.1	887.0	638.4	436.7	317.8	269.5	258.7	258.0	257.2	257.2
22.5°	1245.1	1093.8	783.2	507.3	329.3	254.4	234.2	229.9	232.7	241.4	241.4
25°	1205.5	1017.4	668.7	391.3	255.1	218.3	206.8	209.7	216.9	224.8	221.9
27.5°	1165.1	967.7	560.6	307.0	209.0	190.9	186.6	193.1	201.0	208.2	206.1
30°	1155.8	914.4	458.3	232.7	179.4	166.4	169.3	175.1	183.0	185.9	188.8
32.5°	1170.2	872.6	375.4	190.9	156.4	152.8	152.8	155.6	160.7	167.2	165.0
35°	1211.2	848.8	296.9	165.7	143.4	139.8	139.1	141.9	144.8	147.0	144.8
37.5°	1273.9	830.1	242.8	147.0	134.7	129.0	127.5	126.8	129.7	130.4	131.9
40°	1353.9	840.2	206.1	135.5	126.1	119.6	115.3	115.3	115.3	117.5	118.2
42.5°	1440.4	853.9	178.0	129.0	118.2	110.2	105.9	104.5	105.9	108.8	108.1
45°	1531.2	880.5	160.0	118.9	111.0	100.9	95.1	93.7	97.3	103.0	102.3
47.5°	1616.2	918.7	146.3	112.4	103.8	94.4	87.2	85.7	92.2	100.2	100.9
50°	1701.2	985.0	141.2	107.4	98.7	87.9	81.4	80.0	87.2	97.3	99.4
52.5°	1799.2	1056.3	137.6	100.9	93.0	82.9	75.7	74.2	82.1	95.1	95.8
55°	1863.3	1116.9	134.7	89.3	82.1	74.9	69.2	68.5	77.1	88.6	91.5
57.5°	1788.4	1032.6	124.7	77.8	69.9	66.3	61.2	61.2	68.5	79.3	81.4
60°	1356.1	679.5	88.6	62.7	59.1	56.9	54.8	54.8	60.5	68.5	69.2
62.5°	794.0	366.0	56.9	50.4	50.4	48.3	44.7	44.7	50.4	54.8	55.5
65°	235.6	117.5	46.1	43.2	42.5	38.9	35.3	34.6	38.9	41.1	40.4
67.5°	67.7	54.0	38.2	36.0	35.3	29.5	27.4	26.7	27.4	25.9	25.2
70°	40.4	36.7	29.5	30.3	26.7	21.6	19.5	18.7	17.3	15.1	13.7
72.5°	22.3	22.3	21.6	23.1	18.7	14.4	12.2	10.1	7.9	6.5	5.8
75°	13.7	14.4	15.1	15.9	12.2	9.4	7.9	5.0	2.9	1.4	1.4
77.5°	9.4	10.1	10.8	11.5	10.1	8.6	6.5	3.6	0.7	0.0	0.0
80°	7.2	7.9	9.4	10.1	10.8	11.5	8.6	3.6	0.7	0.0	0.0
82.5°	7.9	8.6	10.8	10.1	10.1	10.1	7.9	3.6	0.7	0.0	0.0
85°	1.4	2.2	3.6	3.6	5.0	6.5	5.0	1.4	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)