

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: P526345

Luminaire Tested: **GALN-SA1B-735-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-735-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3203 lumens
Efficiency: N/A
Efficacy: 72.8 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

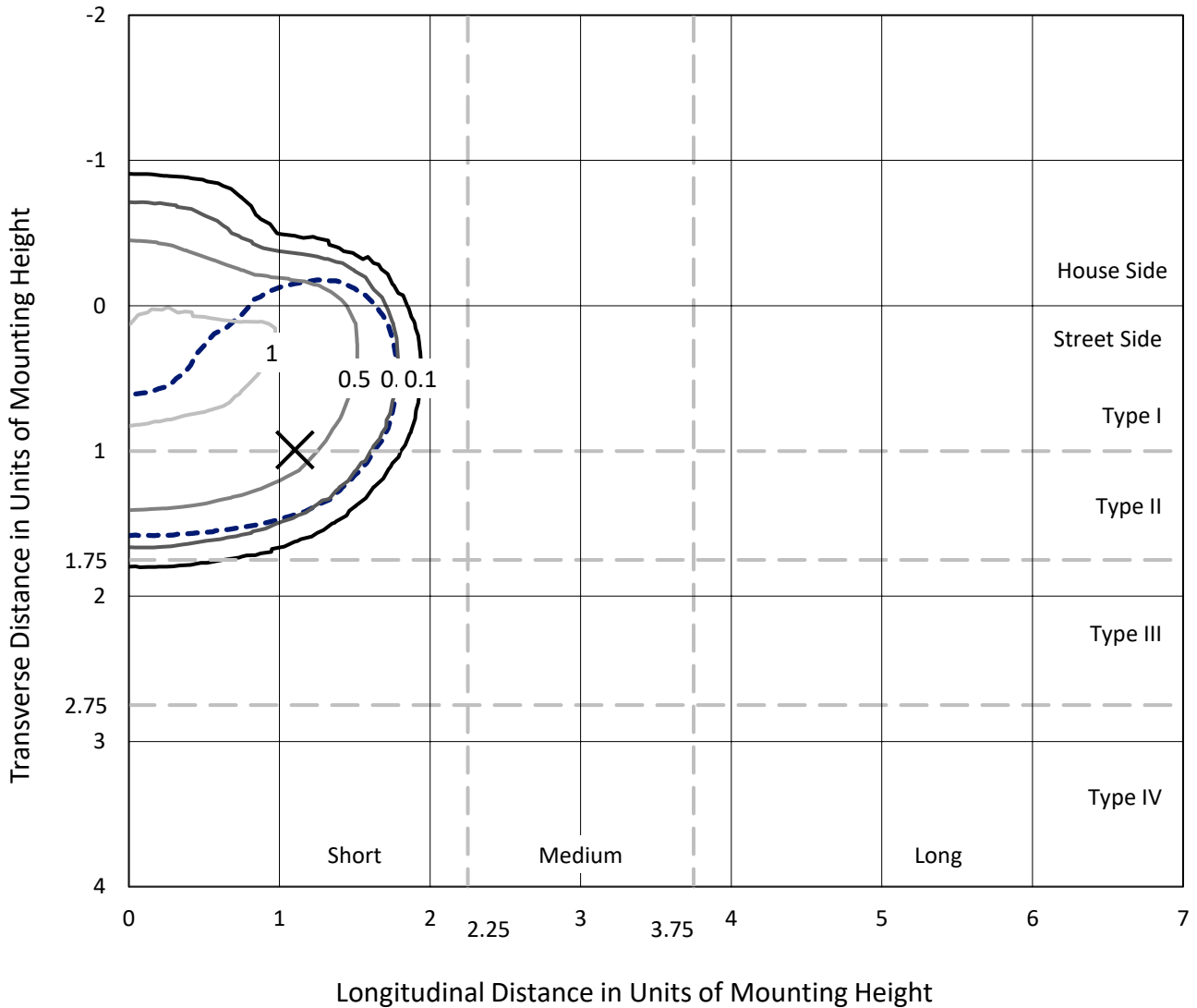
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526345
 CATALOG NUMBER: GALN-SA1B-735-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

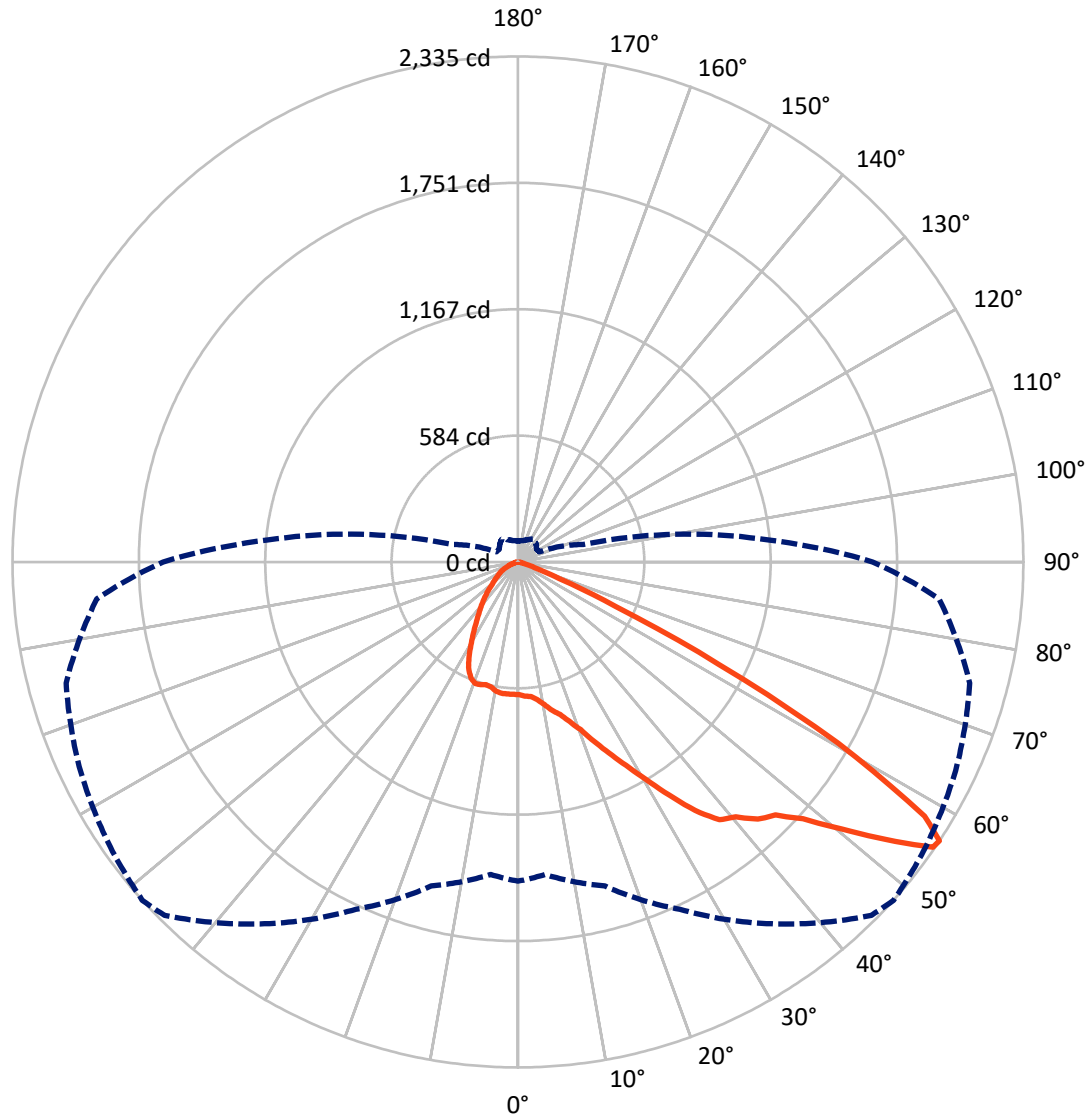
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

REPORT NUMBER: P526345
CATALOG NUMBER: GALN-SA1B-735-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526345
 CATALOG NUMBER: GALN-SA1B-735-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	696.6	0.0	696.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2506.4	0.0	2506.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	3203.0	0.0	3203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.9
10°-20°	190.4	5.9
20°-30°	345.4	10.8
30°-40°	542.6	16.9
40°-50°	791.6	24.7
50°-60°	953.7	29.8
60°-70°	279.2	8.7
70°-80°	35.4	1.1
80°-90°	5.0	0.2
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°	3203.0	100.0
0°-180°	3203.0	100.0

Coefficient of Utilization



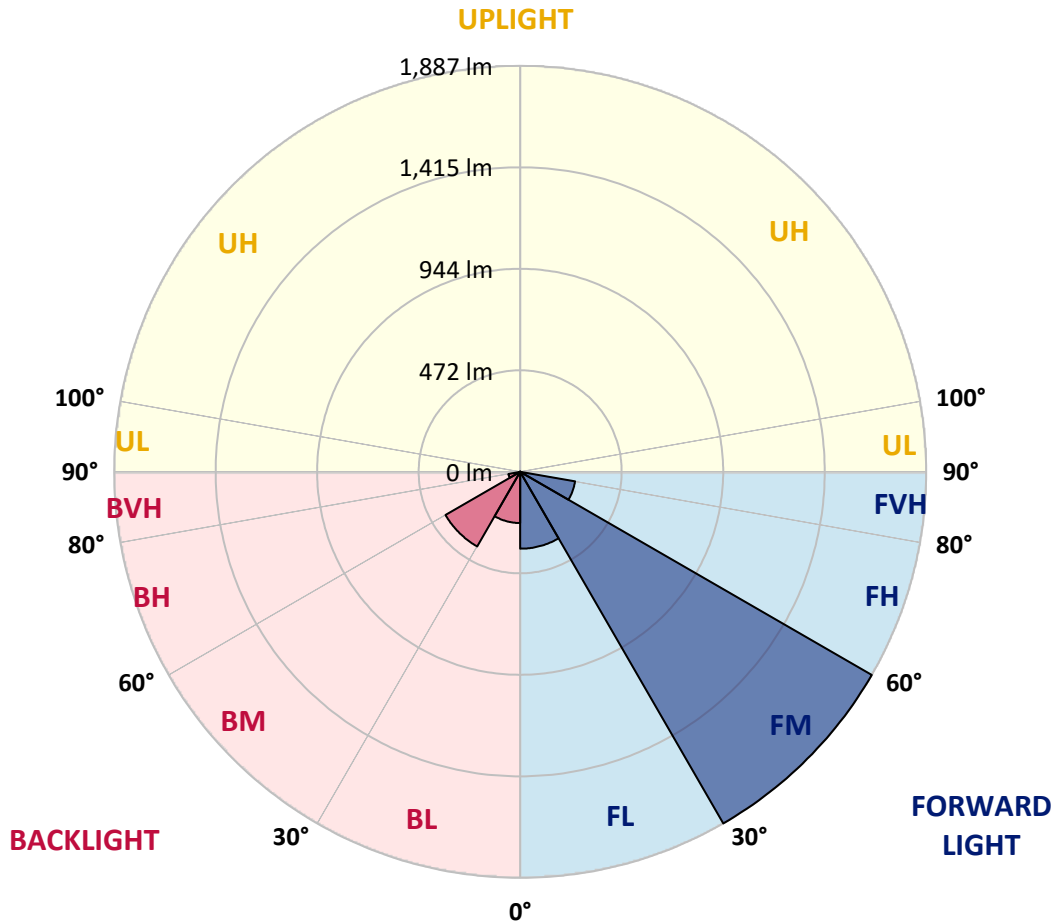
REPORT NUMBER: P526345
 CATALOG NUMBER: GALN-SA1B-735-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.4	11.2			
FM (30°-60°)	1887.2	58.9			
FH (60°-80°)	259.3	8.1			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	238.1	7.4	B1/500		
BM (30°-60°)	400.7	12.5	B1/1000		
BH (60°-80°)	55.3	1.7	B0/110		G0/110
BVH (80°-90°)	2.5	0.1			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: P526345

CATALOG NUMBER: GALN-SA1B-735-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8
2.5°	622.9	619.9	619.9	615.3	620.5	618.2	619.9	614.1	619.9	611.2	618.2
5°	625.8	626.4	624.0	626.9	626.9	630.4	624.6	629.9	632.8	626.4	623.4
7.5°	640.9	642.1	641.5	639.2	643.9	643.3	642.7	638.6	639.8	637.4	633.9
10°	670.7	670.1	673.0	667.2	663.7	667.8	668.9	662.5	657.8	656.1	645.0
12.5°	713.8	706.8	702.8	696.9	698.7	692.8	703.3	692.3	689.9	679.4	668.3
15°	748.8	747.7	748.2	738.9	728.4	730.7	730.7	724.9	721.4	708.6	692.8
17.5°	820.6	796.1	801.3	789.6	780.9	780.3	775.1	776.2	766.9	740.1	716.2
20°	876.5	866.0	857.9	838.1	824.6	828.7	826.4	820.6	817.6	782.7	748.8
22.5°	926.7	930.2	916.8	911.5	892.9	894.6	899.3	894.0	871.9	835.7	785.6
25°	997.3	993.2	975.1	968.7	951.2	957.6	975.7	971.6	957.6	892.3	814.1
27.5°	1080.7	1066.7	1070.2	1041.0	1024.1	1042.2	1063.8	1084.2	1044.5	958.8	848.0
30°	1139.6	1125.0	1123.8	1122.7	1118.6	1139.6	1164.6	1183.3	1151.2	1025.3	904.0
32.5°	1168.7	1172.2	1182.1	1178.6	1214.2	1257.4	1283.6	1310.4	1270.2	1133.7	978.0
35°	1246.3	1224.1	1246.3	1248.6	1285.4	1376.9	1410.2	1474.3	1464.4	1287.1	1068.4
37.5°	1291.8	1290.0	1292.9	1315.1	1350.7	1463.8	1511.1	1560.6	1542.0	1379.3	1181.0
40°	1367.0	1371.7	1371.1	1388.0	1427.1	1529.1	1548.4	1588.6	1590.4	1507.0	1346.6
42.5°	1487.7	1469.1	1456.8	1474.3	1529.1	1585.7	1624.2	1616.0	1673.8	1662.1	1559.5
45°	1596.2	1607.3	1589.2	1618.4	1638.2	1668.5	1667.4	1684.9	1758.3	1813.7	1719.9
47.5°	1697.7	1704.7	1713.4	1733.3	1776.4	1781.1	1771.2	1763.6	1865.1	1922.2	1844.1
50°	1758.3	1764.8	1805.6	1841.2	1921.6	1932.1	1938.0	1918.7	1987.5	1994.0	1961.3
52.5°	1742.0	1749.0	1806.2	1923.4	2051.7	2147.9	2130.4	2097.8	2093.7	2118.8	2069.8
55°	1597.4	1591.0	1669.7	1852.2	2092.5	2323.5	2325.8	2291.4	2225.5	2208.6	2053.4
56°	1474.3	1449.2	1549.6	1770.0	2040.0	2308.3	2334.5	2297.8	2236.0	2160.2	1952.5
57.5°	1207.8	1231.7	1331.4	1514.0	1858.7	2199.2	2214.4	2205.7	2159.0	2031.9	1718.1
60°	666.0	708.0	796.1	1019.4	1323.3	1687.8	1700.0	1771.2	1779.9	1556.0	1182.1
62.5°	282.9	278.2	369.7	534.2	753.5	1018.8	1041.6	1114.5	1127.9	897.0	593.1
65°	114.9	121.3	167.4	268.9	398.3	464.2	496.3	520.2	564.5	370.3	218.7
67.5°	75.8	75.2	98.6	153.4	214.6	207.0	207.0	218.7	202.4	151.0	94.5
70°	54.2	56.0	70.6	106.1	133.6	99.1	95.1	91.0	103.2	99.7	76.4
72.5°	35.6	37.9	47.2	63.6	69.4	54.2	54.2	65.3	85.1	80.5	62.4
75°	23.3	23.9	29.2	36.7	34.4	28.0	30.9	43.7	61.8	59.5	44.3
77.5°	15.7	16.3	19.8	23.9	19.2	15.7	16.9	22.2	30.3	30.3	23.3
80°	5.8	6.4	8.2	7.6	8.7	11.1	12.2	15.2	18.1	18.1	15.7
82.5°	0.0	0.6	1.7	4.1	6.4	8.7	9.9	11.7	13.4	15.2	14.6
85°	0.0	0.6	1.7	2.9	4.7	5.2	5.8	4.1	3.5	3.5	2.9
87.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2	0.6	0.6
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: P526345

CATALOG NUMBER: GALN-SA1B-735-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8
2.5°	611.8	611.2	611.2	609.4	612.9	611.2	612.4	611.8	604.2	610.0	605.9
5°	618.2	622.3	615.9	614.7	610.0	611.8	611.8	605.9	611.2	610.6	609.4
7.5°	634.5	627.5	620.5	613.5	612.4	610.6	604.2	601.9	605.9	601.3	608.3
10°	641.5	642.7	632.2	622.9	614.1	601.9	593.1	587.9	581.4	588.4	592.5
12.5°	673.6	661.9	643.9	629.3	599.5	587.3	578.5	576.2	587.3	589.6	585.5
15°	684.7	682.9	659.6	626.9	596.0	581.4	583.2	578.5	579.7	573.9	575.0
17.5°	707.4	687.6	660.2	619.4	595.4	591.9	581.4	562.8	552.3	547.6	551.7
20°	732.5	713.3	673.6	622.3	600.7	591.4	557.0	534.2	512.6	501.0	501.6
22.5°	754.7	730.7	667.8	623.4	605.4	566.9	525.5	480.6	453.7	435.6	436.2
25°	781.5	747.7	670.1	625.8	593.1	527.8	468.3	424.6	392.5	380.2	384.3
27.5°	796.6	758.2	682.9	631.0	561.0	472.4	408.2	367.4	348.8	342.9	342.3
30°	842.1	781.5	698.7	620.5	507.4	412.9	353.4	328.3	310.3	305.0	306.2
32.5°	909.8	824.1	719.1	593.1	452.6	359.8	317.8	299.2	282.3	272.4	271.2
35°	966.4	897.0	740.7	550.5	389.0	319.0	292.8	269.4	243.8	232.7	229.8
37.5°	1074.3	979.2	736.0	486.4	328.3	288.7	265.9	237.4	215.2	200.0	198.3
40°	1217.7	1075.4	713.3	408.2	283.4	261.9	237.4	210.0	182.5	169.7	168.5
42.5°	1392.1	1193.2	671.8	328.9	238.5	235.0	212.9	181.4	156.9	147.5	148.1
45°	1533.8	1294.1	629.9	264.2	205.3	208.8	189.5	159.8	142.9	135.3	135.3
47.5°	1659.8	1362.3	584.4	218.1	174.4	182.5	165.6	148.1	133.6	127.7	126.6
50°	1781.1	1431.8	538.9	176.7	148.7	156.9	155.1	141.1	129.5	122.5	123.1
52.5°	1856.9	1442.8	481.1	144.6	130.1	139.4	145.2	132.4	119.6	115.5	114.3
55°	1764.2	1299.9	373.2	119.0	110.2	122.5	133.6	119.0	109.1	102.1	101.5
56°	1639.4	1162.3	312.0	109.6	104.4	117.8	129.5	113.7	102.6	98.6	95.6
57.5°	1388.0	951.2	230.4	97.4	96.8	109.6	123.1	108.5	95.6	92.1	92.1
60°	865.5	535.4	139.4	81.6	84.0	97.4	110.8	96.8	85.1	85.1	86.9
62.5°	394.2	222.8	84.6	69.4	72.3	84.0	98.6	87.5	81.1	87.5	88.6
65°	134.1	96.2	61.2	55.4	57.2	69.4	84.6	88.6	88.1	92.1	94.5
67.5°	75.2	61.8	51.3	46.1	44.9	51.3	69.4	88.6	85.1	83.4	84.6
70°	63.6	52.5	45.5	40.8	39.1	41.4	53.7	67.1	60.1	58.3	57.2
72.5°	51.3	43.7	39.7	36.7	31.5	26.8	24.5	25.7	28.6	30.3	33.2
75°	36.2	33.2	33.2	29.7	22.7	16.9	13.4	11.1	7.6	5.2	5.8
77.5°	20.4	20.4	21.0	18.1	14.6	11.1	8.2	5.8	2.9	1.2	0.6
80°	14.0	15.2	16.3	14.6	12.2	9.9	7.0	4.1	1.7	0.0	0.0
82.5°	14.0	15.7	16.9	14.6	12.2	9.3	7.0	4.1	1.7	0.6	0.0
85°	2.9	3.5	4.1	4.7	7.0	7.0	5.2	3.5	1.7	0.6	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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)