

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: P526283

Luminaire Tested: **GALN-SA1B-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526283  
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-SA1B-727-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

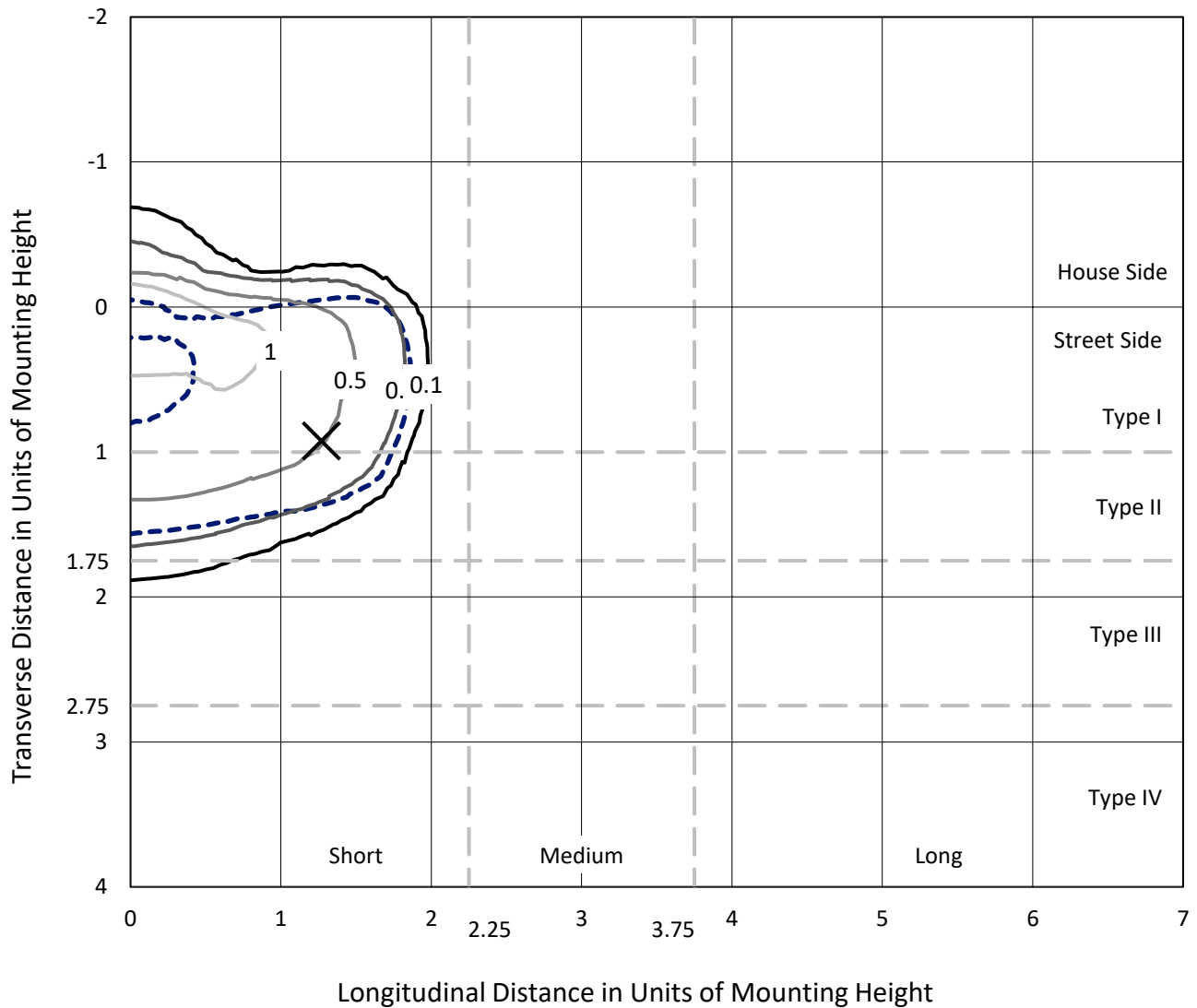
Lumens per Lamp: N/A  
Luminaire Lumens: 2816 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

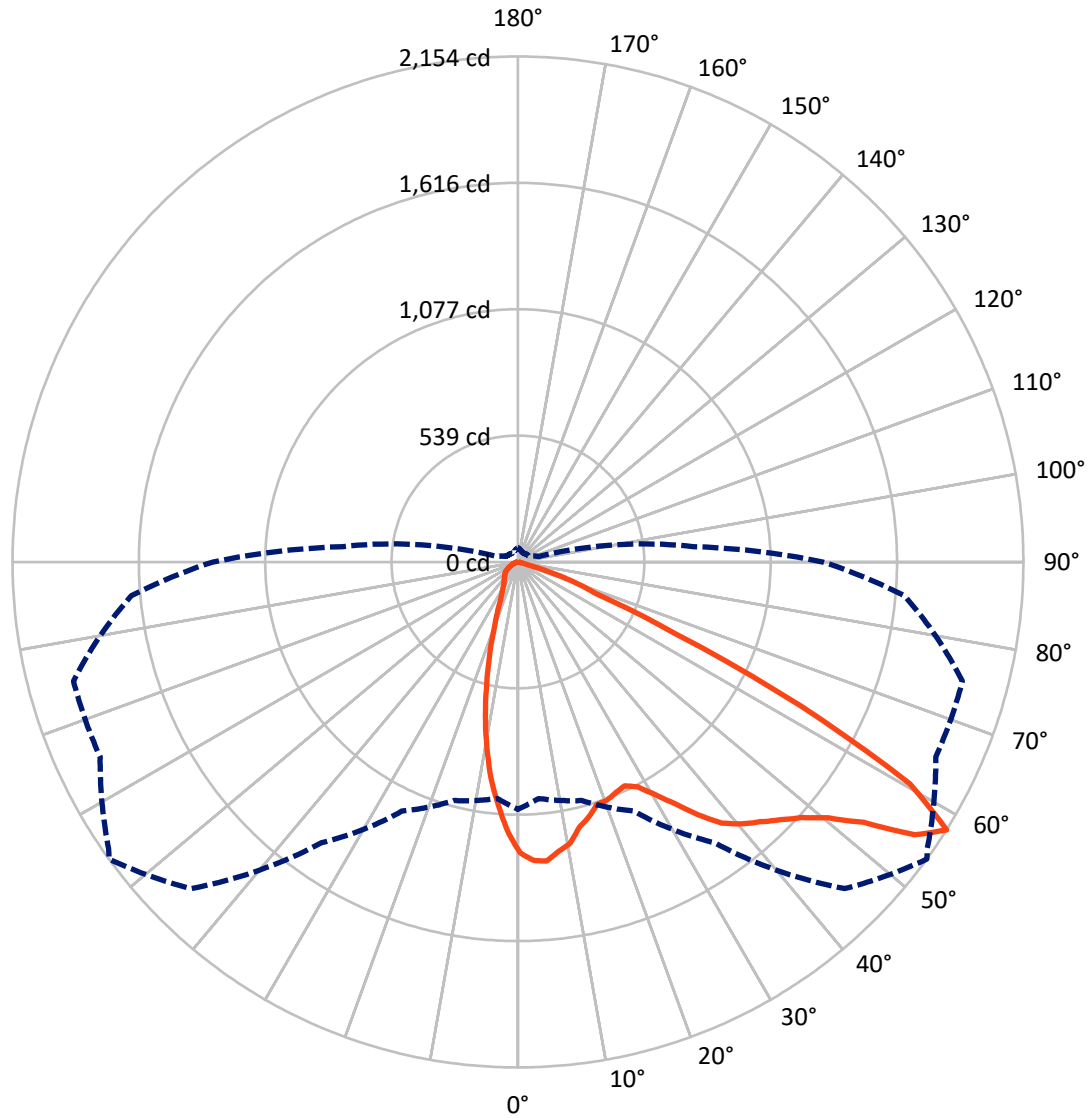
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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
<b>House Side</b>	Lumens	398.0	0.0	398.0
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	2418.0	0.0	2418.0
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	2816.0	0.0	2816.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.8	3.7
10°-20°	221.6	7.9
20°-30°	293.7	10.4
30°-40°	426.8	15.2
40°-50°	632.9	22.5
50°-60°	791.4	28.1
60°-70°	312.2	11.1
70°-80°	31.1	1.1
80°-90°	2.4	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°	2816.0	100.0
0°-180°	2816.0	100.0

**Coefficient of Utilization**

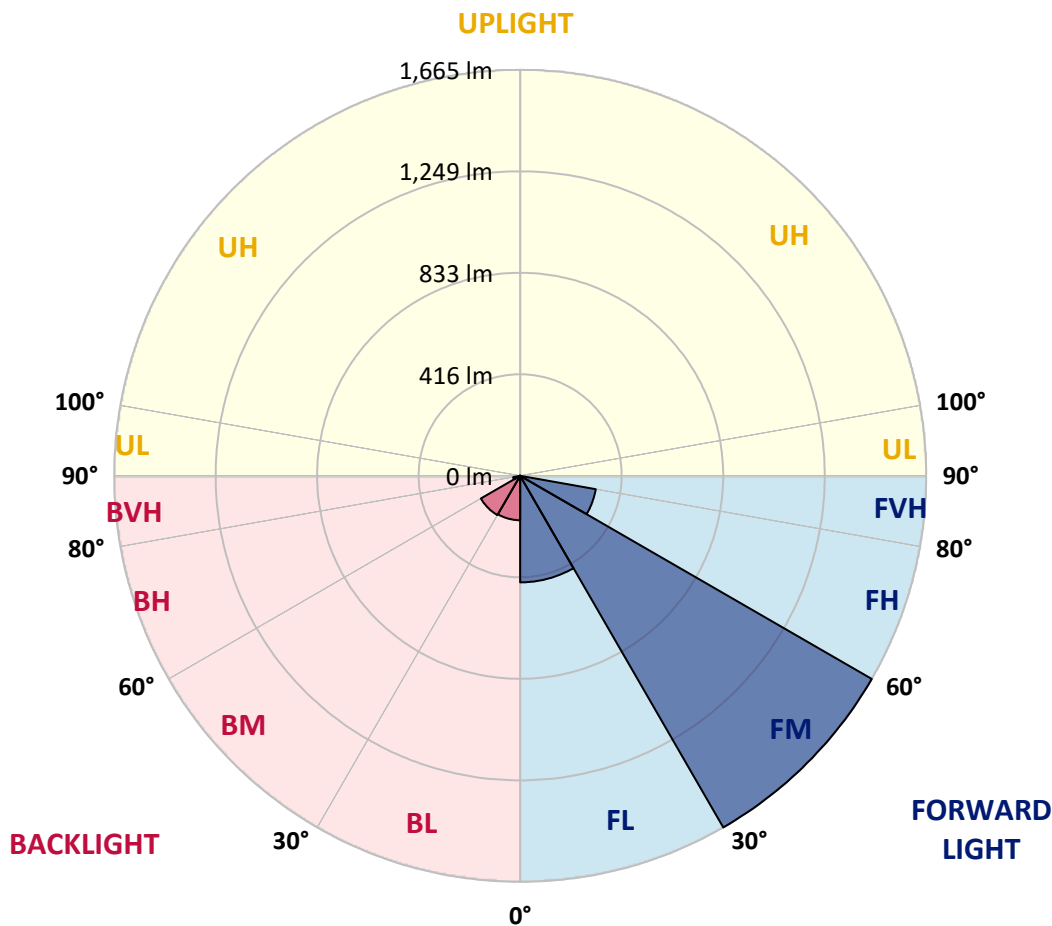


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.1	15.5			
FM (30°-60°)	1665.1	59.1			
FH (60°-80°)	314.7	11.2			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	182.0	6.5	B1/500		
BM (30°-60°)	186.1	6.6	B0/220		
BH (60°-80°)	28.5	1.0	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5
2.5°	1312.7	1299.1	1300.2	1295.5	1289.2	1293.9	1273.5	1278.2	1277.7	1249.9	1231.6
5°	1279.8	1294.4	1279.2	1291.8	1279.8	1292.8	1280.3	1270.9	1255.7	1235.2	1201.2
7.5°	1223.7	1209.6	1213.8	1229.5	1232.1	1261.4	1245.7	1257.8	1251.5	1211.2	1164.6
10°	1111.1	1108.0	1129.0	1149.9	1175.6	1207.0	1219.0	1212.2	1207.5	1192.3	1130.0
12.5°	1024.7	1033.7	1033.1	1067.7	1111.1	1129.0	1160.4	1159.3	1185.5	1157.2	1097.5
15°	942.5	947.3	969.2	990.7	1038.9	1089.7	1128.4	1133.7	1165.1	1145.2	1072.4
17.5°	892.3	885.5	902.7	928.4	977.6	1044.1	1087.1	1099.6	1142.6	1138.4	1043.6
20°	842.5	842.5	856.7	887.0	932.1	1006.9	1083.4	1079.7	1142.6	1130.5	1012.7
22.5°	825.8	834.1	837.8	860.9	914.3	978.7	1067.7	1074.5	1151.5	1126.9	999.1
25°	848.8	837.8	838.9	857.2	907.5	965.1	1056.2	1071.4	1167.7	1145.2	988.1
27.5°	852.5	863.5	866.6	879.2	912.7	969.2	1085.0	1115.9	1208.0	1188.1	991.2
30°	884.4	895.4	894.9	916.4	939.4	1003.3	1149.4	1155.7	1291.3	1242.1	1010.6
32.5°	923.2	934.7	938.3	963.5	981.8	1065.6	1227.9	1244.2	1371.4	1326.9	1061.4
35°	971.3	967.1	983.9	1009.0	1048.3	1156.7	1323.7	1351.0	1457.8	1436.8	1113.8
37.5°	1031.6	1026.3	1042.6	1083.4	1136.8	1264.6	1412.2	1430.0	1520.6	1539.0	1210.6
40°	1074.0	1076.1	1125.3	1180.3	1236.8	1367.2	1468.3	1485.5	1564.6	1634.3	1283.9
42.5°	1144.7	1157.8	1216.9	1283.9	1343.1	1444.2	1513.8	1530.6	1585.0	1710.7	1382.9
45°	1247.3	1241.5	1307.0	1381.9	1447.3	1524.3	1567.8	1562.0	1597.1	1786.6	1445.2
47.5°	1379.2	1380.3	1423.8	1487.6	1555.7	1593.9	1628.0	1607.6	1622.2	1866.8	1528.5
50°	1469.3	1477.2	1512.3	1577.7	1611.7	1670.4	1713.8	1701.3	1696.6	1914.9	1580.8
52.5°	1492.4	1515.9	1534.8	1616.5	1696.0	1788.7	1844.2	1870.9	1787.2	1931.2	1647.3
55°	1318.5	1339.5	1406.0	1518.0	1728.0	1976.2	2052.6	2053.2	1905.5	2003.4	1694.0
57.5°	1054.1	1011.7	1052.5	1171.4	1460.9	1968.3	2154.2	2129.6	1964.7	1961.0	1653.6
60°	728.9	718.4	721.0	768.2	1011.1	1565.7	1919.6	1951.6	1809.2	1699.7	1309.1
62.5°	577.6	568.7	557.1	551.9	627.8	975.5	1354.1	1399.1	1265.1	1102.2	776.0
65°	452.4	447.2	448.8	469.7	469.2	553.5	740.4	722.1	578.1	427.3	244.0
67.5°	305.3	313.1	319.4	382.8	415.2	385.4	357.6	347.2	188.0	79.1	53.9
70°	171.8	172.8	179.6	239.3	315.2	299.0	246.6	246.6	93.7	28.8	30.9
72.5°	93.7	90.6	84.3	103.2	140.3	142.4	110.0	95.8	27.8	18.9	17.3
75°	45.6	45.0	38.7	31.9	30.4	25.1	19.4	17.8	12.6	12.0	10.5
77.5°	9.4	8.9	4.7	4.7	5.2	5.8	7.3	7.3	8.9	8.9	7.3
80°	0.0	0.0	0.5	2.1	3.7	5.2	6.3	6.3	7.3	7.3	5.8
82.5°	0.0	0.0	0.5	1.6	3.1	4.7	5.8	6.3	7.3	7.9	6.3
85°	0.0	0.0	0.0	1.0	2.6	3.7	3.1	3.1	2.6	2.1	1.0
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°	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5
2.5°	1222.2	1221.1	1197.0	1183.4	1158.8	1137.3	1120.1	1107.5	1107.5	1099.6	1092.3
5°	1187.6	1178.7	1127.4	1094.4	1047.8	1013.2	989.7	971.3	942.5	950.4	919.5
7.5°	1144.7	1122.1	1054.1	1003.8	939.4	890.2	839.9	795.4	752.5	733.1	743.6
10°	1098.6	1059.3	967.7	888.1	808.0	717.9	659.3	588.0	544.1	541.4	529.9
12.5°	1049.9	1005.4	893.8	783.9	678.6	570.2	480.7	414.2	384.3	351.4	357.6
15°	1013.2	947.3	811.6	679.2	539.3	429.9	339.8	288.5	260.2	252.4	249.8
17.5°	973.4	902.7	727.8	567.6	423.1	309.5	244.5	219.9	208.9	208.9	207.4
20°	932.1	852.5	644.6	463.9	317.3	230.9	195.8	188.0	187.5	186.9	186.9
22.5°	904.8	794.9	569.2	368.6	239.3	184.8	170.2	167.0	169.1	175.4	175.4
25°	876.0	739.4	485.9	284.3	185.4	158.7	150.3	152.4	157.6	163.4	161.3
27.5°	846.7	703.2	407.4	223.1	151.9	138.8	135.6	140.3	146.1	151.3	149.8
30°	839.9	664.5	333.0	169.1	130.4	121.0	123.1	127.2	133.0	135.1	137.2
32.5°	850.4	634.1	272.8	138.8	113.6	111.0	111.0	113.1	116.8	121.5	119.9
35°	880.2	616.8	215.7	120.4	104.2	101.6	101.1	103.2	105.3	106.8	105.3
37.5°	925.8	603.2	176.5	106.8	97.9	93.7	92.7	92.2	94.3	94.8	95.8
40°	983.9	610.6	149.8	98.4	91.6	86.9	83.8	83.8	83.8	85.4	85.9
42.5°	1046.7	620.5	129.3	93.7	85.9	80.1	77.0	75.9	77.0	79.1	78.5
45°	1112.7	639.9	116.2	86.4	80.6	73.3	69.1	68.1	70.7	74.9	74.4
47.5°	1174.5	667.6	106.3	81.7	75.4	68.6	63.4	62.3	67.0	72.8	73.3
50°	1236.3	715.8	102.6	78.0	71.7	63.9	59.2	58.1	63.4	70.7	72.3
52.5°	1307.5	767.6	100.0	73.3	67.5	60.2	55.0	53.9	59.7	69.1	69.6
55°	1354.1	811.6	97.9	64.9	59.7	54.5	50.3	49.7	56.0	64.4	66.5
57.5°	1299.7	750.4	90.6	56.6	50.8	48.2	44.5	44.5	49.7	57.6	59.2
60°	985.5	493.8	64.4	45.6	42.9	41.4	39.8	39.8	44.0	49.7	50.3
62.5°	577.0	266.0	41.4	36.7	36.7	35.1	32.5	32.5	36.7	39.8	40.3
65°	171.2	85.4	33.5	31.4	30.9	28.3	25.7	25.1	28.3	29.8	29.3
67.5°	49.2	39.3	27.8	26.2	25.7	21.5	19.9	19.4	19.9	18.9	18.3
70°	29.3	26.7	21.5	22.0	19.4	15.7	14.1	13.6	12.6	11.0	9.9
72.5°	16.2	16.2	15.7	16.8	13.6	10.5	8.9	7.3	5.8	4.7	4.2
75°	9.9	10.5	11.0	11.5	8.9	6.8	5.8	3.7	2.1	1.0	1.0
77.5°	6.8	7.3	7.9	8.4	7.3	6.3	4.7	2.6	0.5	0.0	0.0
80°	5.2	5.8	6.8	7.3	7.9	8.4	6.3	2.6	0.5	0.0	0.0
82.5°	5.8	6.3	7.9	7.3	7.3	7.3	5.8	2.6	0.5	0.0	0.0
85°	1.0	1.6	2.6	2.6	3.7	4.7	3.7	1.0	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)