

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: STREETWORKS

Report Number: P366723

Luminaire Tested: **PMM-SA1A-830-U-T2-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-9)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1A-830-U-T2-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2422 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

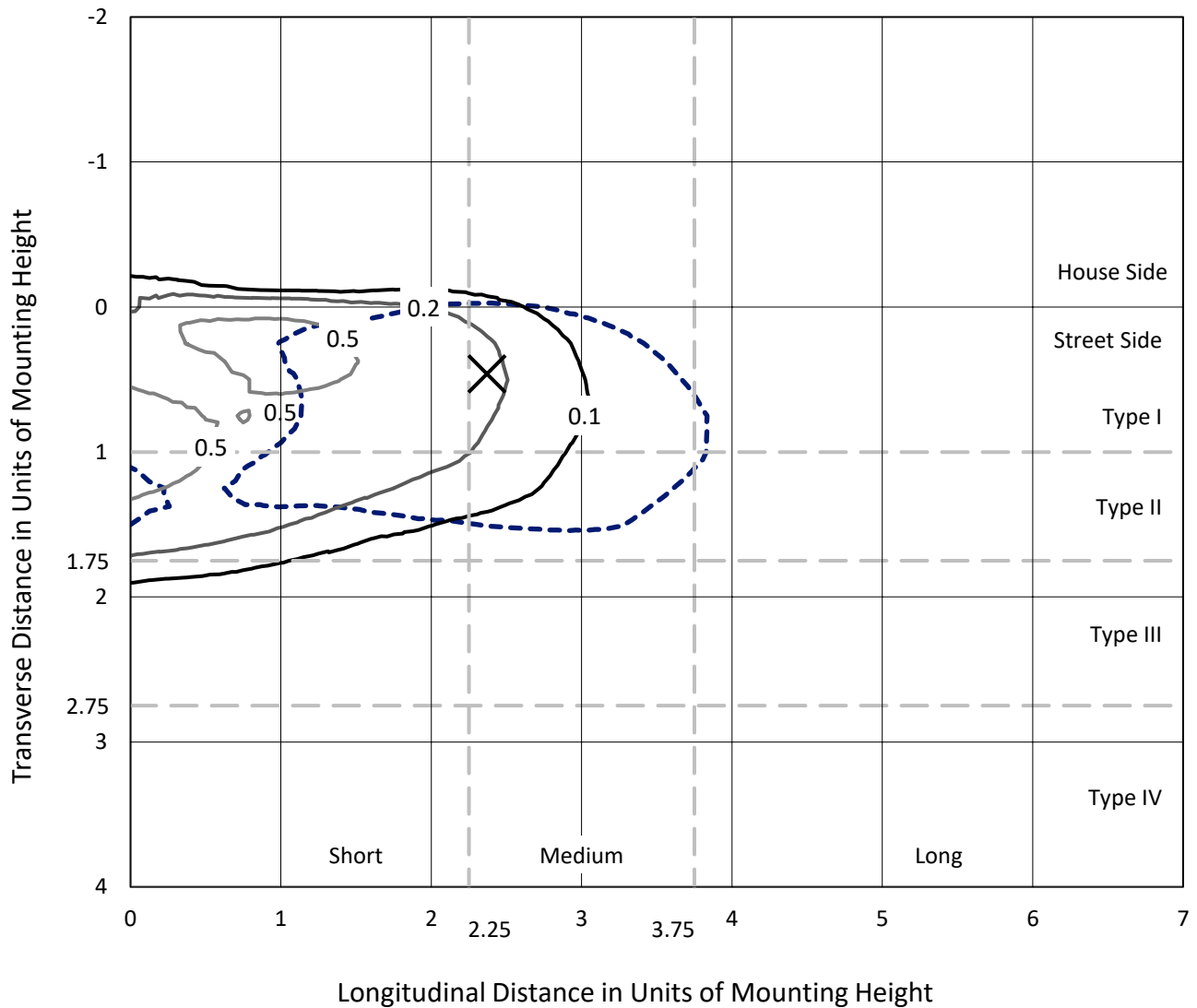
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P366723
 CATALOG NUMBER: PMM-SA1A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

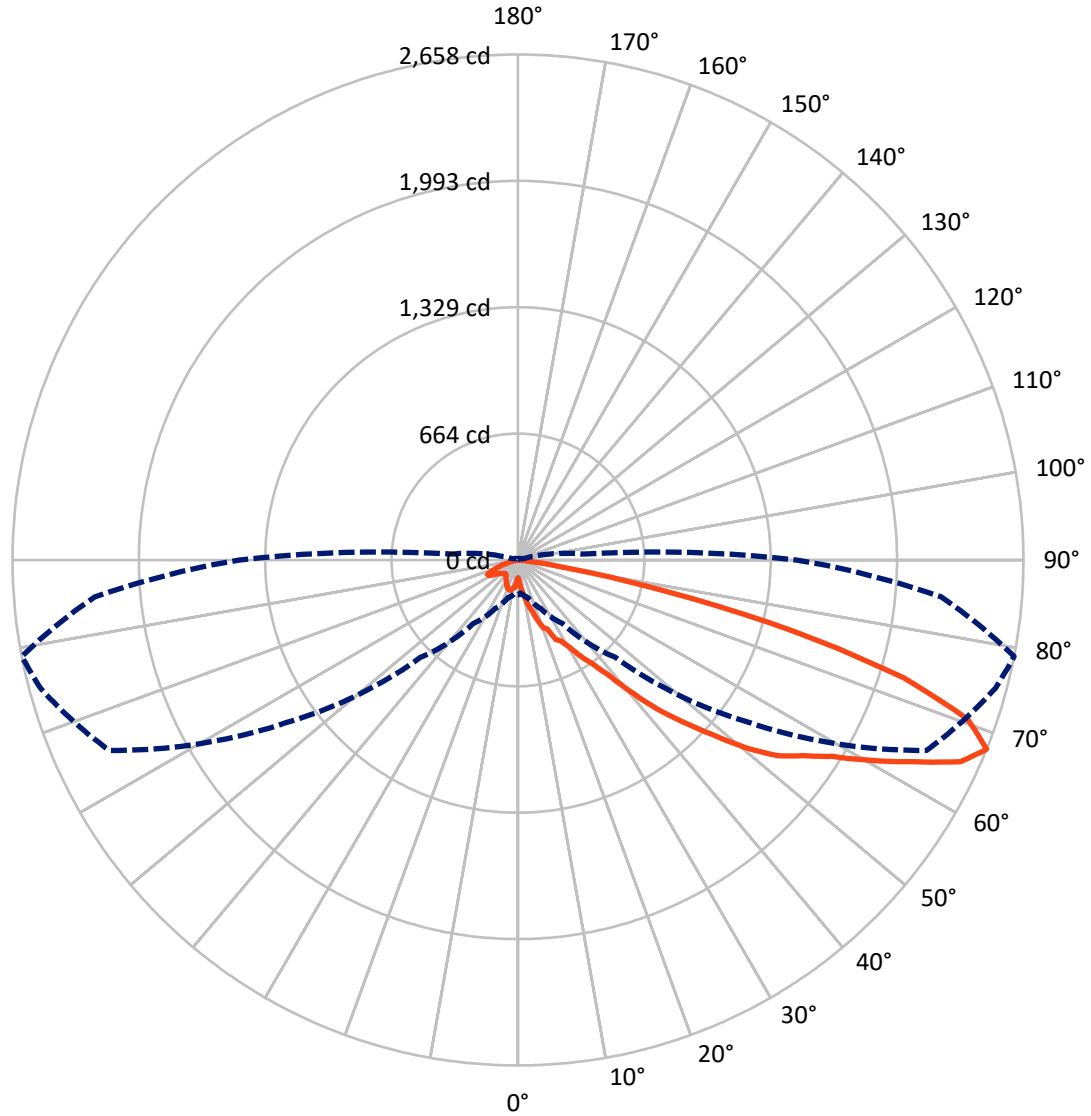
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P366723
CATALOG NUMBER: PMM-SA1A-830-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P366723
 CATALOG NUMBER: PMM-SA1A-830-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	159.1	0.0	159.1
	% Fixture	6.6	0.0	6.6
Street Side	Lumens	2262.9	0.0	2262.9
	% Fixture	93.4	0.0	93.4
Total	Lumens	2422.0	0.0	2422.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.6
10°-20°	54.1	2.2
20°-30°	104.4	4.3
30°-40°	205.1	8.5
40°-50°	410.9	17.0
50°-60°	656.7	27.1
60°-70°	660.7	27.3
70°-80°	298.1	12.3
80°-90°	18.4	0.8
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°	2422.0	100.0
0°-180°	2422.0	100.0

Coefficient of Utilization



REPORT NUMBER: P366723

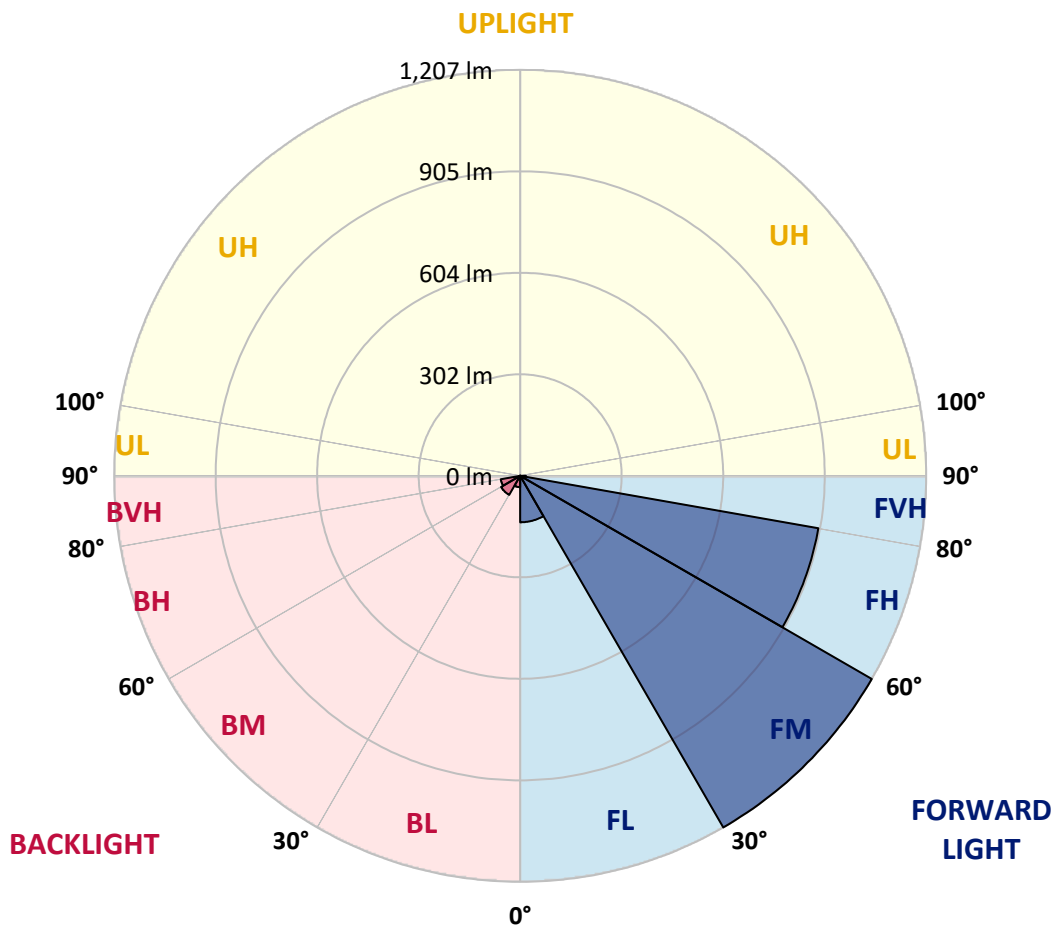
CATALOG NUMBER: PMM-SA1A-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.3	5.7			
FM (30°-60°)	1207.2	49.8			
FH (60°-80°)	900.2	37.2			G1/1800
FVH (80°-90°)	17.3	0.7			G1/100
BL (0°-30°)	33.8	1.4	B0/110		
BM (30°-60°)	65.5	2.7	B0/220		
BH (60°-80°)	58.7	2.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





REPORT NUMBER: P366723
 CATALOG NUMBER: PMM-SA1A-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2.5°	126.0	121.5	114.2	118.3	118.0	120.2	116.2	111.8	104.7	111.8	112.3
5°	181.4	173.0	167.7	166.6	160.8	155.3	154.1	149.5	146.1	139.8	145.4
7.5°	226.0	222.2	212.7	211.6	197.2	189.2	191.7	189.7	176.5	170.0	175.4
10°	245.0	238.3	239.7	238.3	232.2	234.4	229.2	223.2	212.7	201.9	188.3
12.5°	252.3	251.3	262.4	261.0	275.4	292.8	281.2	271.2	246.7	244.1	225.5
15°	268.1	274.8	273.2	278.8	288.0	317.5	317.2	319.6	293.7	279.8	253.0
17.5°	282.1	287.1	279.0	285.5	310.6	328.4	352.3	343.0	345.9	331.8	290.3
20°	276.1	281.7	273.7	269.8	314.0	347.9	379.8	373.0	390.7	381.8	324.6
22.5°	313.6	303.1	282.9	270.4	303.3	347.5	389.6	418.0	415.0	393.3	356.5
25°	360.0	353.5	329.4	307.2	310.2	345.1	420.3	462.1	471.2	462.0	386.8
27.5°	422.4	421.0	371.6	362.0	333.4	334.6	425.1	517.6	496.9	482.5	422.2
30°	504.0	492.4	433.8	421.2	379.0	358.4	454.5	565.6	550.3	530.7	455.4
32.5°	591.7	593.5	518.7	477.3	443.4	418.8	442.9	588.0	616.4	600.5	496.9
35°	691.3	699.1	607.6	559.0	493.1	456.9	492.8	656.9	707.9	666.1	552.6
37.5°	844.7	844.5	737.7	640.9	592.9	553.7	576.0	719.5	820.3	761.6	652.5
40°	979.7	950.3	851.0	739.8	665.0	654.3	638.2	805.2	940.3	905.0	741.3
42.5°	1080.5	1059.8	939.8	853.3	760.6	726.7	721.0	930.9	1117.5	1068.0	868.0
45°	1201.1	1133.3	1044.9	966.9	872.5	862.6	849.1	1058.4	1323.7	1212.0	978.1
47.5°	1309.1	1245.3	1161.7	1061.6	953.2	1034.6	982.8	1170.4	1473.6	1368.8	1099.6
50°	1400.0	1332.2	1238.6	1162.4	1115.9	1171.2	1084.8	1262.6	1635.5	1550.6	1213.2
52.5°	1446.4	1369.6	1297.2	1250.1	1278.5	1266.1	1223.1	1374.4	1773.6	1710.0	1313.9
55°	1408.3	1333.3	1303.0	1326.3	1412.7	1376.8	1380.3	1547.6	1903.9	1816.3	1401.5
57.5°	1239.5	1171.0	1184.5	1248.5	1414.0	1508.0	1559.4	1715.8	2008.4	1948.8	1536.6
60°	937.7	882.5	932.5	1045.9	1281.1	1481.9	1686.5	1884.0	2157.8	2139.2	1741.2
62.5°	572.6	542.7	613.5	755.0	1020.8	1353.6	1760.6	2108.3	2317.7	2337.6	1958.1
65°	292.1	278.6	337.7	462.1	689.7	1111.9	1707.1	2247.7	2482.8	2556.3	2164.9
67.5°	184.0	175.3	206.8	281.8	406.9	725.2	1494.7	2369.6	2599.5	2657.6	2233.9
70°	127.5	122.0	149.3	193.5	256.7	390.7	1109.8	2255.8	2507.0	2509.7	2066.9
72.5°	80.9	76.6	103.2	143.3	189.5	201.7	636.2	1770.1	2146.0	2121.3	1673.9
75°	52.5	50.3	65.6	104.9	145.5	124.4	314.4	1194.4	1538.7	1500.0	1111.8
77.5°	37.7	36.3	43.9	70.1	103.6	87.1	141.0	711.9	882.3	797.6	539.7
80°	22.7	22.6	31.8	43.9	73.7	61.4	65.2	323.2	342.1	278.9	164.9
82.5°	11.3	11.7	17.8	28.3	47.4	40.2	29.8	107.6	91.9	67.7	33.4
85°	2.7	3.3	9.3	19.5	23.8	16.0	14.2	28.2	25.2	19.1	9.7
87.5°	0.0	0.0	2.9	4.7	6.4	2.7	4.8	5.3	6.8	5.3	2.0
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: P366723
 CATALOG NUMBER: PMM-SA1A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2.5°	112.4	110.8	101.1	98.5	98.3	95.5	96.1	93.5	93.6	99.6	99.6
5°	143.3	133.9	124.6	116.3	110.7	102.7	99.7	98.5	97.5	99.9	101.3
7.5°	168.2	154.5	137.7	119.6	102.9	91.5	89.9	86.9	85.8	88.3	90.1
10°	179.3	162.2	139.1	112.8	97.2	87.9	80.1	76.0	75.2	75.0	75.7
12.5°	202.8	181.6	140.7	110.3	93.3	83.0	74.2	67.3	60.9	61.5	60.9
15°	221.6	196.5	140.7	104.1	84.0	73.7	58.2	54.7	53.8	55.3	54.1
17.5°	250.1	211.4	133.6	93.2	76.0	57.3	51.4	51.1	53.0	55.1	53.8
20°	267.2	213.4	121.8	80.6	62.4	49.7	47.5	45.4	48.1	49.8	49.1
22.5°	284.9	213.5	109.9	74.0	50.2	45.3	41.8	40.1	40.5	42.1	42.3
25°	292.5	208.3	98.8	65.2	45.5	40.5	36.8	35.0	34.3	35.1	34.8
27.5°	313.2	198.3	86.8	55.5	43.3	35.9	32.6	30.3	28.3	29.6	29.9
30°	316.2	195.1	80.2	49.4	40.3	31.8	28.8	26.4	25.0	26.8	26.8
32.5°	325.5	177.4	76.9	46.9	37.3	29.4	25.4	23.6	23.4	24.6	24.7
35°	339.9	169.7	72.0	44.9	34.4	26.6	22.8	22.0	21.8	22.7	22.7
37.5°	388.8	160.1	66.5	43.1	32.0	25.1	22.2	20.8	21.0	21.8	22.3
40°	421.2	161.3	58.3	41.0	29.2	23.8	20.8	19.9	19.8	20.2	20.6
42.5°	481.4	162.2	54.7	38.7	27.1	22.2	19.5	18.8	18.3	18.7	19.1
45°	548.7	167.2	52.9	36.8	25.9	21.2	18.3	17.9	16.7	17.0	17.5
47.5°	613.6	185.2	50.6	34.2	24.8	20.7	17.1	16.2	15.4	15.2	15.8
50°	687.3	202.7	48.1	31.2	23.8	19.9	15.9	14.4	13.9	13.9	14.3
52.5°	753.3	219.4	45.7	29.2	23.0	18.4	14.8	13.4	13.0	13.0	13.5
55°	822.7	236.9	43.5	27.4	21.9	17.0	13.9	12.6	12.4	12.1	12.6
57.5°	945.3	275.0	40.9	25.8	20.4	15.8	13.1	11.7	11.5	11.1	11.5
60°	1123.8	333.7	37.4	24.2	18.7	15.0	12.4	10.8	10.4	9.7	9.9
62.5°	1298.3	381.0	33.4	22.2	17.1	14.2	11.3	9.7	9.1	8.3	8.4
65°	1447.8	399.7	29.1	19.8	15.5	12.3	9.9	8.5	7.6	6.5	6.4
67.5°	1465.4	353.0	25.0	17.5	13.9	10.4	8.4	7.6	6.1	5.2	4.9
70°	1318.8	263.0	20.8	15.5	12.0	8.8	7.2	6.7	5.7	4.9	4.5
72.5°	1050.2	194.1	17.5	13.8	10.5	7.5	6.1	6.3	5.7	4.8	4.3
75°	694.5	111.1	14.3	11.5	8.8	6.0	5.6	5.6	5.5	4.5	4.0
77.5°	334.2	47.9	10.9	9.1	7.1	4.5	5.1	5.1	5.2	4.1	3.3
80°	94.8	14.4	6.8	6.1	5.2	3.1	4.0	3.9	3.5	2.4	1.5
82.5°	17.0	5.6	3.1	3.2	2.9	1.2	2.3	2.1	1.7	0.9	0.1
85°	4.7	2.1	1.7	1.9	1.5	0.4	0.9	1.2	0.9	0.5	0.0
87.5°	1.2	0.9	1.2	1.3	1.1	0.1	0.4	0.1	0.4	0.1	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)