

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: P482365

Luminaire Tested: **IFLD-S-SA2C-730-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482365
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-730-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

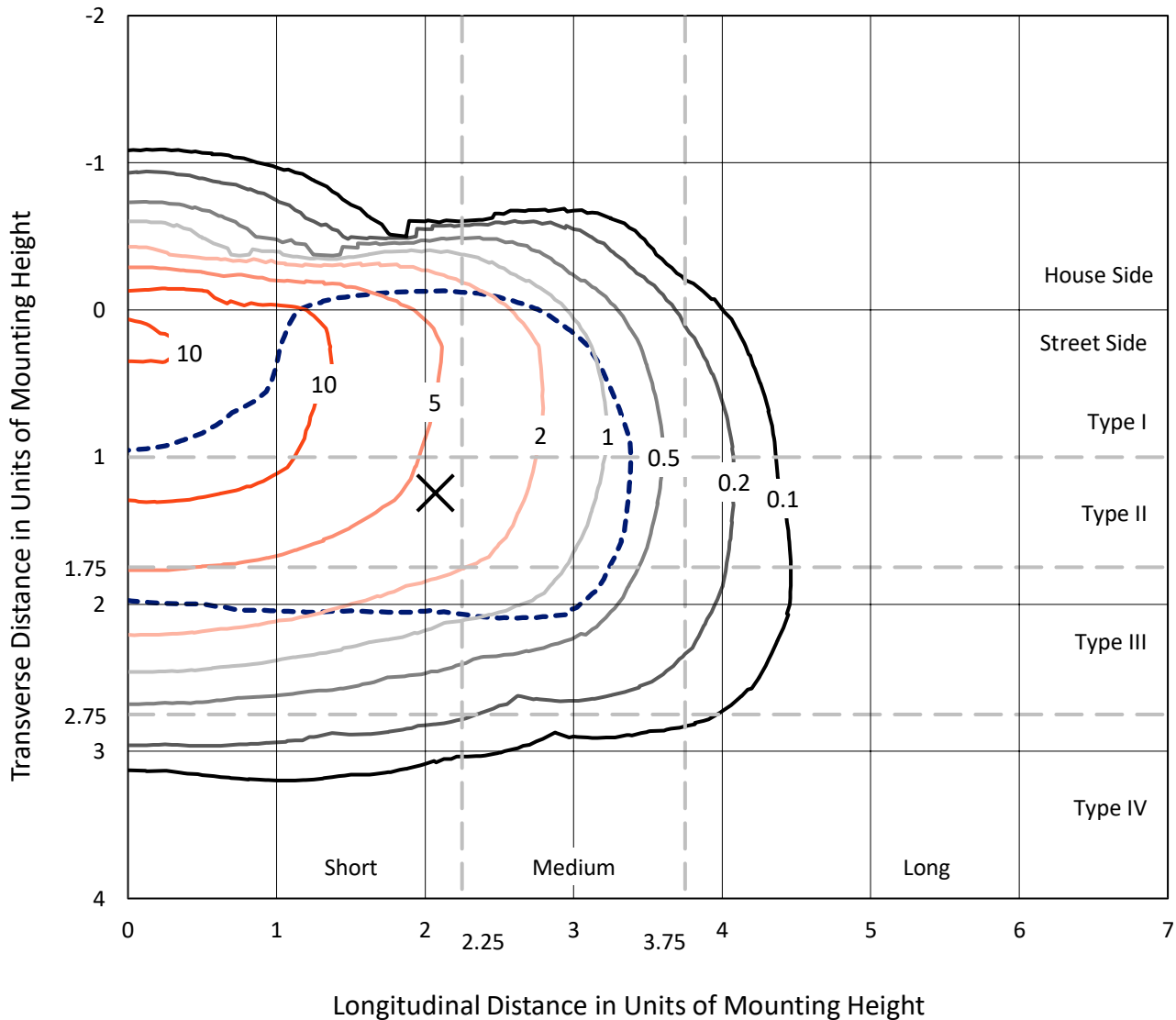
Lumens per Lamp: N/A
Luminaire Lumens: 9603.8 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2
Input Voltage (V): 120
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

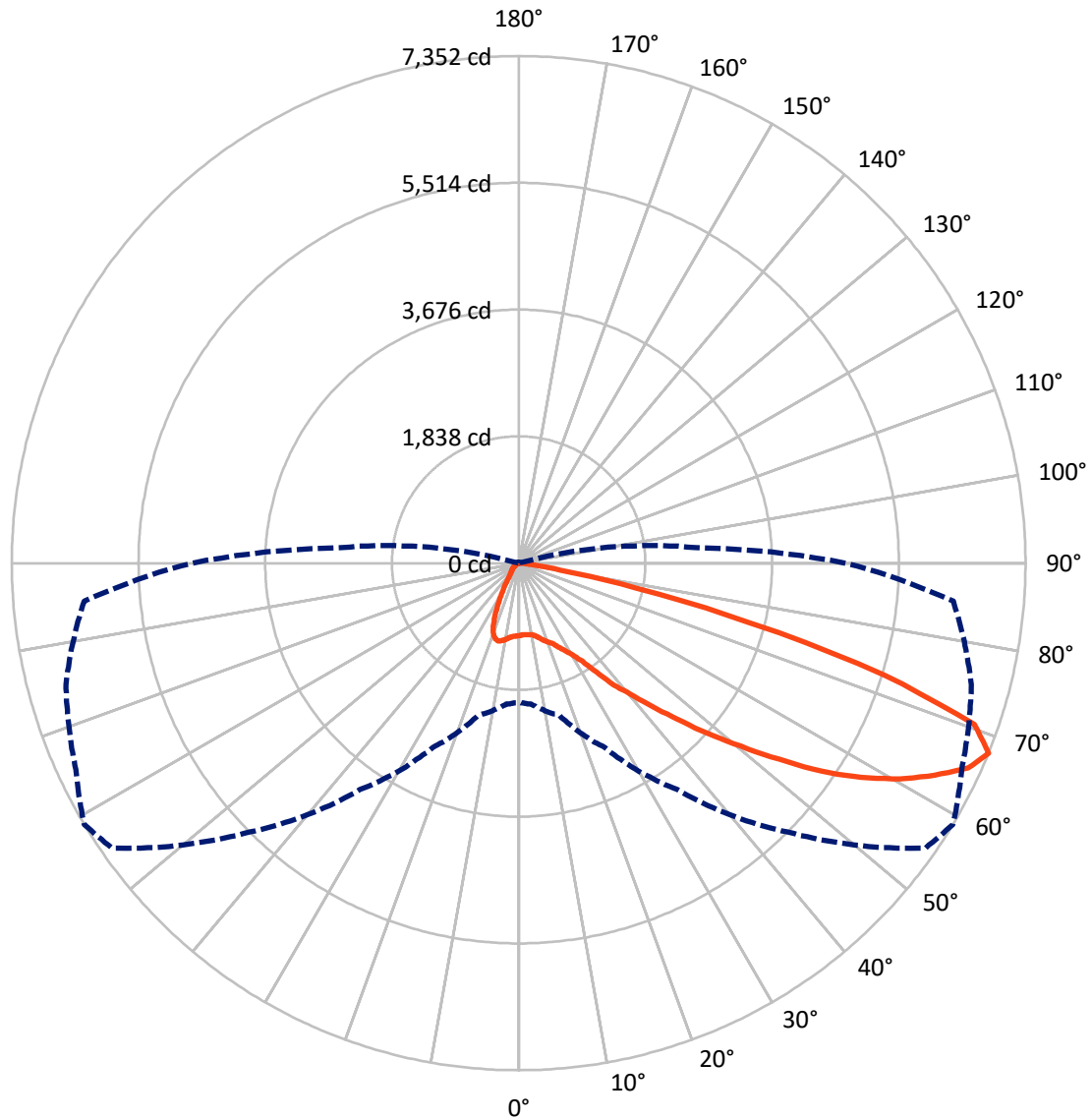
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1128.1	0.0	1128.1
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	8475.7	0.0	8475.7
	% Fixture	88.3	0.0	88.3
Total	Lumens	9603.8	0.0	9603.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	1.0
10°-20°	289.0	3.0
20°-30°	505.2	5.3
30°-40°	889.4	9.3
40°-50°	1572.1	16.4
50°-60°	2489.2	25.9
60°-70°	2761.3	28.8
70°-80°	958.1	10.0
80°-90°	39.5	0.4
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°	9603.8	100.0
0°-180°	9603.8	100.0

Coefficient of Utilization

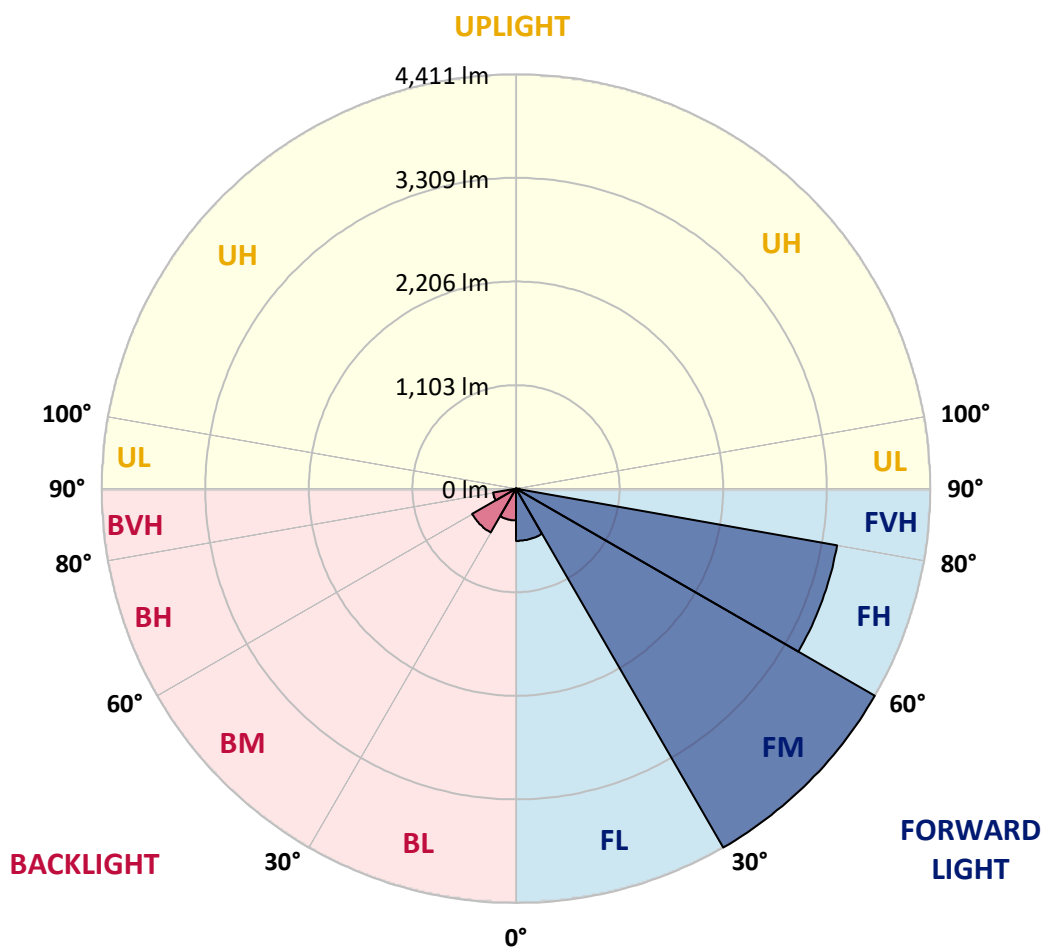


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.1	5.8			
FM (30°-60°)	4411.4	45.9			
FH (60°-80°)	3471.3	36.1			G2/5000
FVH (80°-90°)	36.9	0.4			G1/100
BL (0°-30°)	338.1	3.5	B1/500		
BM (30°-60°)	539.4	5.6	B1/1000		
BH (60°-80°)	248.1	2.6	B1/500		G1/500
BVH (80°-90°)	2.6	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-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4
2.5°	1022.9	1008.3	1021.5	1022.9	1024.2	1036.1	1049.4	1040.1	1038.8	1049.4	1058.7
5°	981.7	975.1	991.0	999.0	1012.2	1022.9	1044.1	1045.4	1046.7	1058.7	1074.6
7.5°	964.5	948.6	967.1	976.4	985.7	1010.9	1036.1	1049.4	1068.0	1082.6	1098.5
10°	930.0	941.9	947.2	963.2	989.7	1018.9	1049.4	1056.0	1097.1	1109.1	1147.6
12.5°	941.9	949.9	960.5	964.5	993.7	1037.4	1078.6	1081.2	1123.7	1175.4	1195.3
15°	972.4	967.1	971.1	976.4	1010.9	1046.7	1113.1	1125.0	1164.8	1223.2	1272.3
17.5°	1037.4	1028.2	1021.5	1020.2	1028.2	1061.3	1139.6	1175.4	1212.6	1292.2	1317.4
20°	1200.6	1192.7	1166.1	1097.1	1073.3	1086.5	1171.4	1221.9	1273.6	1362.5	1403.6
22.5°	1448.7	1456.7	1394.3	1297.5	1198.0	1146.2	1221.9	1265.6	1347.9	1460.6	1497.8
25°	1741.9	1726.0	1650.4	1537.6	1381.1	1259.0	1302.8	1351.9	1452.7	1545.6	1560.1
27.5°	1971.4	1952.8	1894.5	1757.8	1622.5	1424.8	1408.9	1439.4	1558.8	1642.4	1626.5
30°	2198.3	2204.9	2165.1	2003.3	1836.1	1627.8	1527.0	1540.2	1631.8	1739.2	1703.4
32.5°	2487.5	2471.6	2449.0	2307.1	2109.4	1886.5	1714.0	1692.8	1732.6	1874.6	1832.1
35°	2756.8	2747.5	2717.0	2573.7	2401.2	2158.5	1990.0	1942.2	1932.9	2090.8	2016.5
37.5°	2991.6	2975.7	2929.3	2837.7	2670.6	2466.3	2281.9	2239.4	2238.1	2346.9	2203.6
40°	3189.3	3201.2	3195.9	3095.1	3003.6	2840.4	2557.8	2490.1	2484.8	2543.2	2459.6
42.5°	3445.3	3473.2	3458.6	3438.7	3328.6	3264.9	2945.2	2841.7	2795.3	2914.7	2839.0
45°	3832.7	3843.3	3852.6	3803.5	3693.4	3706.7	3345.8	3222.5	3210.5	3388.3	3218.5
47.5°	4194.9	4167.0	4232.0	4234.7	4229.4	4168.4	3778.3	3686.8	3702.7	3838.0	3662.9
50°	4285.1	4356.7	4535.8	4569.0	4655.2	4711.0	4258.6	4167.0	4193.6	4347.5	4147.1
52.5°	4355.4	4464.2	4643.3	4886.1	5118.2	5250.9	4795.9	4721.6	4720.2	4814.4	4538.5
55°	4478.8	4545.1	4700.3	5034.7	5476.4	5694.0	5443.3	5323.9	5216.4	5282.7	4944.5
57.5°	4466.9	4492.1	4733.5	5146.1	5760.3	6155.7	5975.3	5861.2	5723.2	5684.7	5411.4
60°	4257.2	4316.9	4587.6	5070.5	5935.5	6515.2	6471.4	6354.7	6117.2	6027.0	5769.6
62.5°	3842.0	3921.6	4133.9	4805.2	5680.7	6533.8	6813.7	6769.9	6504.6	6342.7	6236.6
65°	3113.7	3150.8	3394.9	4131.2	5105.0	6248.6	7218.3	7163.9	6919.8	6678.4	6476.7
67.5°	2016.5	2052.3	2287.2	2949.2	4009.2	5512.3	7202.4	7352.3	7088.3	6797.8	6326.8
70°	952.5	943.3	1162.2	1638.4	2568.4	4209.5	6715.5	7011.4	6787.2	6162.3	5254.9
72.5°	290.5	315.7	482.9	725.7	1318.7	2625.5	5264.2	5541.4	5471.1	4923.2	3507.7
75°	128.7	139.3	189.7	297.2	534.6	1077.2	3251.6	3498.4	3467.9	2904.1	1601.3
77.5°	82.3	90.2	119.4	169.8	242.8	342.3	1497.8	1737.9	1684.9	1020.2	419.2
80°	58.4	62.4	84.9	116.7	152.6	140.6	516.1	612.9	587.7	277.3	112.8
82.5°	31.8	34.5	62.4	86.2	102.2	71.6	144.6	180.4	188.4	123.4	54.4
85°	11.9	14.6	38.5	61.0	53.1	33.2	42.5	51.7	67.7	67.7	25.2
87.5°	0.0	1.3	15.9	26.5	13.3	9.3	11.9	14.6	18.6	31.8	9.3
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°	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4
2.5°	1065.3	1056.0	1060.0	1066.6	1052.0	1060.0	1044.1	1056.0	1060.0	1044.1	1052.0
5°	1078.6	1087.9	1082.6	1071.9	1062.7	1065.3	1061.3	1052.0	1060.0	1062.7	1057.3
7.5°	1117.0	1106.4	1109.1	1097.1	1078.6	1077.2	1052.0	1045.4	1048.1	1050.7	1041.4
10°	1152.9	1159.5	1146.2	1136.9	1106.4	1086.5	1052.0	1014.9	1010.9	995.0	1008.3
12.5°	1216.5	1200.6	1195.3	1164.8	1134.3	1068.0	993.7	936.6	888.9	871.6	854.4
15°	1269.6	1267.0	1257.7	1211.2	1140.9	1020.2	879.6	746.9	655.4	598.3	590.4
17.5°	1342.6	1330.6	1313.4	1240.4	1091.8	895.5	655.4	488.2	396.7	360.9	347.6
20°	1398.3	1389.0	1365.1	1233.8	1003.0	667.3	406.0	310.4	287.9	281.3	282.6
22.5°	1479.2	1450.0	1404.9	1200.6	841.1	444.4	291.9	277.3	273.3	268.0	269.3
25°	1549.5	1523.0	1428.8	1143.6	599.6	294.5	270.6	262.7	256.0	249.4	248.1
27.5°	1611.9	1578.7	1454.0	1026.8	375.4	253.4	250.7	241.5	228.2	217.6	213.6
30°	1672.9	1634.4	1460.6	807.9	253.4	229.5	222.9	208.3	191.0	176.4	173.8
32.5°	1775.1	1728.6	1451.4	577.1	218.9	204.3	189.7	172.5	147.3	135.3	132.7
35°	1934.3	1864.0	1439.4	339.6	196.3	180.4	157.9	135.3	116.7	104.8	102.2
37.5°	2117.3	1995.3	1404.9	226.9	180.4	159.2	130.0	107.5	91.5	82.3	79.6
40°	2389.3	2187.7	1272.3	185.7	160.5	135.3	104.8	84.9	73.0	66.3	63.7
42.5°	2689.1	2407.9	1068.0	167.2	142.0	115.4	83.6	69.0	59.7	53.1	53.1
45°	3048.7	2637.4	823.9	152.6	126.0	95.5	69.0	55.7	47.8	42.5	39.8
47.5°	3449.3	2845.7	555.9	138.0	106.1	78.3	57.0	42.5	34.5	30.5	30.5
50°	3807.5	3030.1	354.2	120.7	92.9	65.0	46.4	34.5	27.9	22.6	21.2
52.5°	4132.5	3170.7	244.1	106.1	79.6	53.1	38.5	27.9	21.2	17.2	17.2
55°	4465.5	3242.4	180.4	91.5	69.0	45.1	31.8	25.2	18.6	14.6	13.3
57.5°	4738.8	3272.9	138.0	79.6	58.4	35.8	27.9	21.2	15.9	11.9	10.6
60°	4972.3	3258.3	107.5	66.3	46.4	30.5	23.9	17.2	13.3	9.3	8.0
62.5°	5109.0	3170.7	84.9	57.0	37.1	26.5	19.9	14.6	9.3	6.6	5.3
65°	5111.6	2985.0	66.3	42.5	27.9	22.6	17.2	11.9	6.6	2.7	1.3
67.5°	4745.5	2583.0	53.1	33.2	22.6	17.2	13.3	9.3	2.7	0.0	0.0
70°	3712.0	1954.2	43.8	26.5	18.6	14.6	9.3	5.3	1.3	0.0	0.0
72.5°	2365.4	1170.1	35.8	21.2	15.9	10.6	6.6	4.0	0.0	0.0	0.0
75°	989.7	360.9	27.9	18.6	11.9	8.0	5.3	1.3	0.0	0.0	0.0
77.5°	254.7	114.1	22.6	15.9	11.9	6.6	4.0	1.3	0.0	0.0	0.0
80°	75.6	42.5	18.6	13.3	9.3	5.3	2.7	1.3	0.0	0.0	0.0
82.5°	34.5	25.2	15.9	11.9	8.0	5.3	2.7	0.0	0.0	0.0	0.0
85°	13.3	8.0	8.0	6.6	6.6	4.0	1.3	0.0	0.0	0.0	0.0
87.5°	5.3	2.7	2.7	2.7	1.3	1.3	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)