

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: P483534

Luminaire Tested: **IFLD-S-SA2B-730-U-T4W-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483534
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-730-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

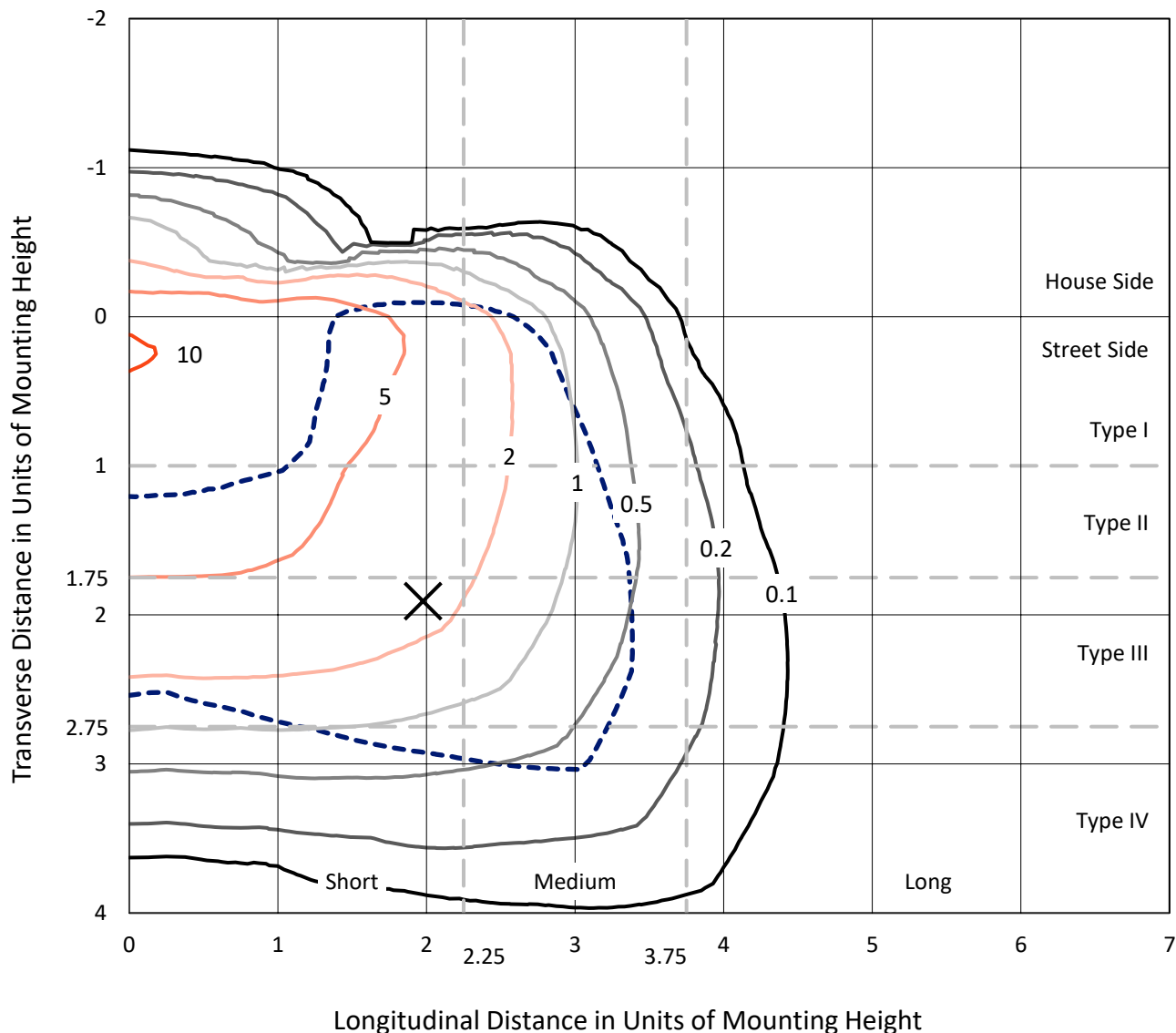
Lumens per Lamp: N/A
Luminaire Lumens: 7671.3 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
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

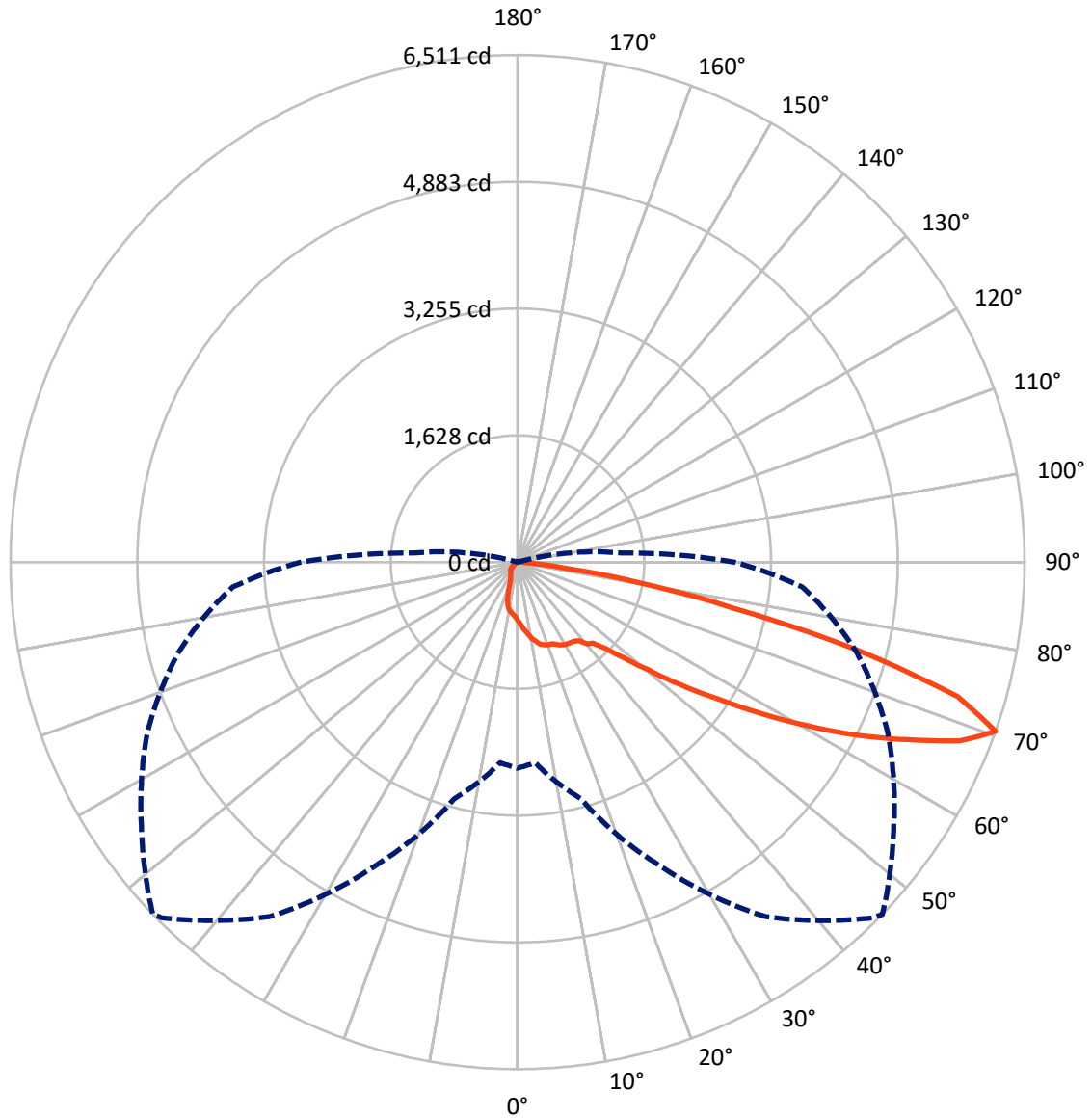
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	763.3	0.0	763.3
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	6908.0	0.0	6908.0
	% Fixture	90.0	0.0	90.0
Total	Lumens	7671.3	0.0	7671.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.0
10°-20°	226.8	3.0
20°-30°	363.2	4.7
30°-40°	518.5	6.8
40°-50°	895.2	11.7
50°-60°	1714.0	22.3
60°-70°	2538.2	33.1
70°-80°	1257.1	16.4
80°-90°	83.1	1.1
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°	7671.3	100.0
0°-180°	7671.3	100.0

Coefficient of Utilization



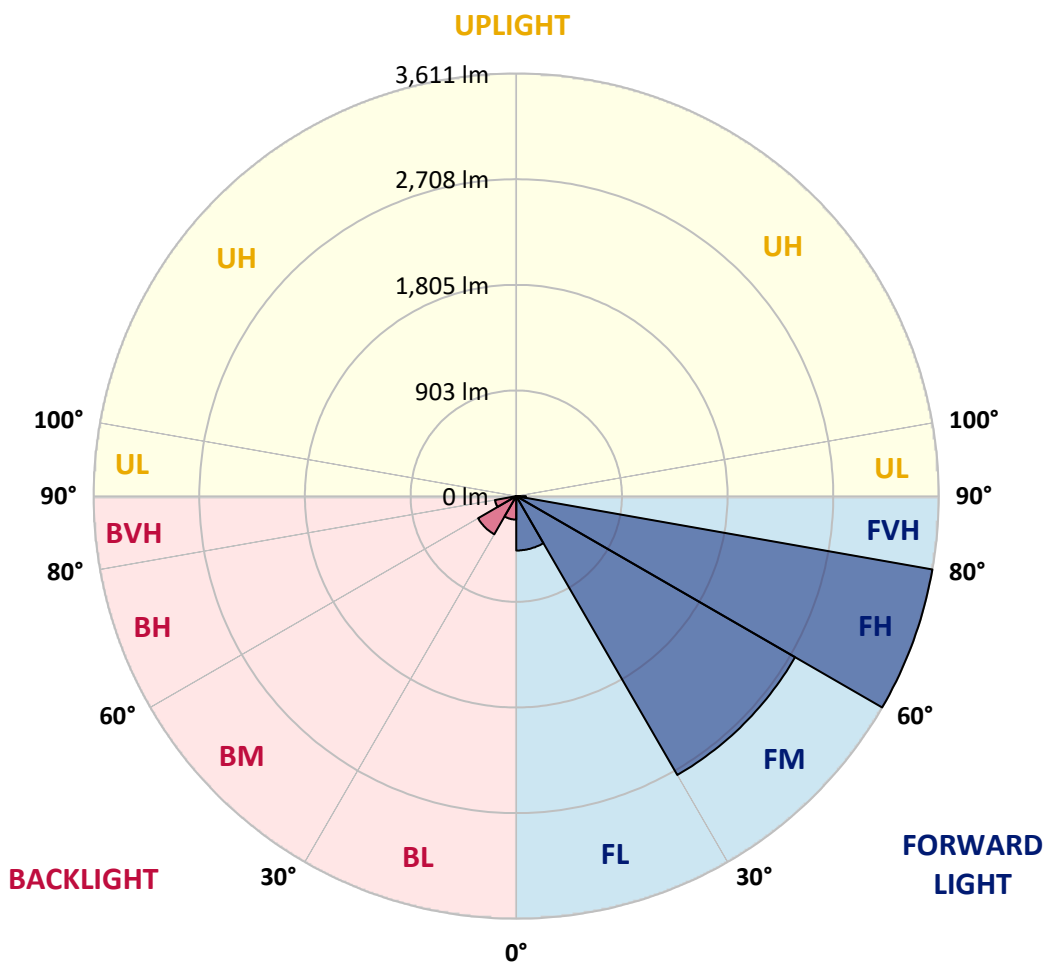
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.6	6.1			
FM (30°-60°)	2750.9	35.9			
FH (60°-80°)	3610.5	47.1			G2/5000
FVH (80°-90°)	82.0	1.1			G1/100
BL (0°-30°)	200.5	2.6	B1/500		
BM (30°-60°)	376.9	4.9	B1/1000		
BH (60°-80°)	184.9	2.4	B1/500		G1/500
BVH (80°-90°)	1.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1
2.5°	840.3	834.8	826.0	822.6	813.8	809.4	802.8	799.5	787.3	775.2	767.4
5°	943.0	929.8	934.2	920.9	892.2	869.0	867.9	842.5	814.9	792.8	763.0
7.5°	1046.8	1035.8	1019.2	1000.4	968.4	934.2	924.2	899.9	861.3	822.6	782.9
10°	1125.2	1117.5	1103.1	1076.6	1032.5	993.8	994.9	954.1	913.2	869.0	814.9
12.5°	1173.8	1177.1	1156.1	1129.6	1091.0	1042.4	1041.3	1013.7	967.3	920.9	856.9
15°	1222.4	1234.5	1202.5	1171.6	1121.9	1086.6	1093.2	1060.1	1014.8	961.8	891.1
17.5°	1230.1	1233.4	1226.8	1181.5	1145.1	1115.3	1116.4	1094.3	1060.1	1002.6	941.9
20°	1216.9	1214.6	1206.9	1173.8	1149.5	1131.8	1132.9	1127.4	1108.6	1062.3	979.4
22.5°	1178.2	1178.2	1168.3	1146.2	1135.1	1151.7	1138.5	1159.4	1139.6	1112.0	1043.5
25°	1147.3	1159.4	1153.9	1139.6	1144.0	1166.1	1172.7	1192.6	1189.3	1155.0	1087.7
27.5°	1180.4	1166.1	1169.4	1152.8	1169.4	1202.5	1205.8	1220.2	1219.1	1191.5	1127.4
30°	1202.5	1215.8	1190.4	1153.9	1171.6	1227.9	1225.7	1244.5	1253.3	1220.2	1165.0
32.5°	1273.2	1262.1	1241.1	1192.6	1194.8	1226.8	1236.7	1261.0	1266.5	1246.7	1201.4
35°	1417.8	1401.3	1309.6	1236.7	1225.7	1241.1	1247.8	1295.3	1305.2	1283.1	1240.0
37.5°	1640.9	1603.3	1492.9	1331.7	1282.0	1278.7	1278.7	1341.6	1379.2	1328.4	1297.5
40°	1960.0	1907.0	1787.7	1507.3	1356.0	1369.2	1382.5	1416.7	1412.3	1379.2	1372.6
42.5°	2366.4	2325.5	2196.3	1802.1	1497.3	1431.1	1420.0	1466.4	1536.0	1522.7	1518.3
45°	2705.4	2707.6	2624.7	2206.2	1741.4	1573.5	1581.3	1616.6	1733.6	1723.7	1722.6
47.5°	2952.7	2921.8	2909.6	2596.0	2096.9	1844.1	1833.0	1857.3	2009.7	2072.6	2101.3
50°	3178.0	3157.0	3128.3	2974.8	2524.3	2183.1	2172.0	2174.2	2407.2	2495.6	2566.2
52.5°	3457.3	3483.8	3388.9	3295.0	3077.5	2623.6	2611.5	2568.4	2857.7	2979.2	3063.1
55°	3801.8	3752.2	3645.0	3693.6	3606.4	3099.6	3077.5	3026.7	3371.2	3422.0	3510.3
57.5°	3878.0	3840.5	3950.9	4123.2	4207.1	3658.3	3649.5	3557.8	3803.0	3756.6	4006.1
60°	4068.0	4077.9	4231.4	4573.7	4719.5	4303.2	4260.1	4098.9	4221.5	4230.3	4496.4
62.5°	4263.4	4240.2	4583.6	4912.7	5136.9	4913.8	4899.5	4579.2	4718.4	4605.7	4958.0
65°	4119.9	4155.2	4646.6	5197.6	5677.9	5511.2	5499.0	5041.9	5118.1	4977.9	5145.7
67.5°	3609.7	3537.9	4225.9	5067.3	5956.2	6137.3	6124.0	5546.5	5343.3	4975.6	4755.9
70°	2645.7	2583.9	3144.8	4291.0	5557.6	6457.5	6510.5	5897.7	5251.7	4511.9	3669.3
72.5°	1296.4	1297.5	1762.3	2909.6	4397.0	5885.5	5912.0	5407.4	4511.9	3325.9	2078.2
75°	383.2	387.6	652.6	1426.7	2842.3	4469.9	4499.7	4104.4	3127.2	1718.2	708.9
77.5°	140.2	140.2	216.4	535.5	1417.8	2821.3	2819.1	2519.8	1583.5	581.9	165.6
80°	72.9	76.2	112.6	218.6	613.9	1469.7	1524.9	1233.4	601.8	245.1	48.6
82.5°	29.8	33.1	61.8	112.6	294.8	515.7	564.3	483.7	261.7	171.2	22.1
85°	8.8	9.9	29.8	62.9	115.9	129.2	143.5	162.3	164.5	132.5	9.9
87.5°	1.1	1.1	12.1	21.0	25.4	27.6	32.0	32.0	83.9	92.8	5.5
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°	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1
2.5°	758.6	753.1	744.2	724.4	720.0	705.6	704.5	691.2	695.7	686.8	683.5
5°	753.1	740.9	716.6	701.2	685.7	675.8	669.2	663.6	662.5	658.1	655.9
7.5°	763.0	746.5	708.9	684.6	658.1	649.3	634.9	633.8	626.1	618.4	618.4
10°	796.1	766.3	725.5	684.6	650.4	621.7	588.6	564.3	555.4	535.5	537.8
12.5°	822.6	796.1	736.5	694.6	642.7	577.5	504.6	448.3	421.8	396.4	406.4
15°	860.2	821.5	757.5	696.8	612.8	500.2	381.0	318.0	293.7	288.2	287.1
17.5°	901.0	860.2	784.0	691.2	552.1	386.5	280.5	244.0	248.5	255.1	254.0
20°	946.3	896.6	803.9	672.5	456.0	280.5	229.7	228.6	235.2	245.1	247.3
22.5°	993.8	950.7	828.2	616.2	340.1	225.3	220.8	220.8	225.3	237.4	235.2
25°	1046.8	989.4	840.3	528.9	244.0	207.6	209.8	214.2	216.4	226.4	227.5
27.5°	1087.7	1032.5	843.6	424.0	198.8	192.1	197.7	203.2	206.5	214.2	217.5
30°	1125.2	1086.6	826.0	315.8	182.2	178.9	181.1	188.8	195.4	202.1	202.1
32.5°	1172.7	1117.5	785.1	224.2	172.3	166.7	165.6	168.9	176.7	184.4	184.4
35°	1221.3	1169.4	720.0	180.0	163.4	155.7	151.3	148.0	151.3	156.8	161.2
37.5°	1291.9	1247.8	638.2	165.6	156.8	145.8	136.9	129.2	123.7	122.6	125.9
40°	1392.4	1336.1	533.3	155.7	149.1	135.8	122.6	109.3	97.2	89.4	90.5
42.5°	1544.8	1466.4	419.6	150.2	143.5	124.8	106.0	87.2	71.8	64.0	64.0
45°	1762.3	1638.7	308.1	144.7	136.9	111.5	87.2	65.1	49.7	45.3	46.4
47.5°	2090.3	1846.3	220.8	135.8	128.1	97.2	68.5	46.4	36.4	34.2	35.3
50°	2518.7	2092.5	172.3	125.9	117.0	81.7	50.8	34.2	28.7	27.6	28.7
52.5°	2968.2	2341.0	151.3	117.0	100.5	65.1	37.5	27.6	24.3	23.2	24.3
55°	3352.4	2501.1	131.4	103.8	80.6	48.6	29.8	24.3	21.0	17.7	17.7
57.5°	3741.1	2581.7	103.8	86.1	59.6	36.4	25.4	21.0	17.7	14.4	13.3
60°	4056.9	2639.1	74.0	64.0	42.0	28.7	22.1	18.8	14.4	11.0	9.9
62.5°	4264.5	2474.6	54.1	48.6	30.9	24.3	18.8	15.5	11.0	7.7	7.7
65°	4161.8	2247.1	42.0	34.2	23.2	18.8	15.5	11.0	7.7	4.4	3.3
67.5°	3734.5	1830.8	34.2	25.4	17.7	14.4	12.1	8.8	4.4	1.1	1.1
70°	2786.0	1341.6	27.6	18.8	14.4	11.0	8.8	5.5	2.2	1.1	0.0
72.5°	1523.8	734.3	22.1	15.5	11.0	8.8	6.6	4.4	2.2	0.0	0.0
75°	503.5	195.4	16.6	11.0	6.6	5.5	4.4	3.3	1.1	0.0	0.0
77.5°	121.5	50.8	13.3	9.9	5.5	3.3	2.2	1.1	1.1	0.0	0.0
80°	37.5	21.0	9.9	6.6	4.4	3.3	1.1	0.0	0.0	0.0	0.0
82.5°	15.5	9.9	4.4	4.4	3.3	1.1	0.0	0.0	0.0	0.0	0.0
85°	7.7	5.5	3.3	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	2.2	1.1	1.1	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)