

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: P481506

Luminaire Tested: **IFLD-S-SA2B-722-U-T2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481506  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-722-U-T2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

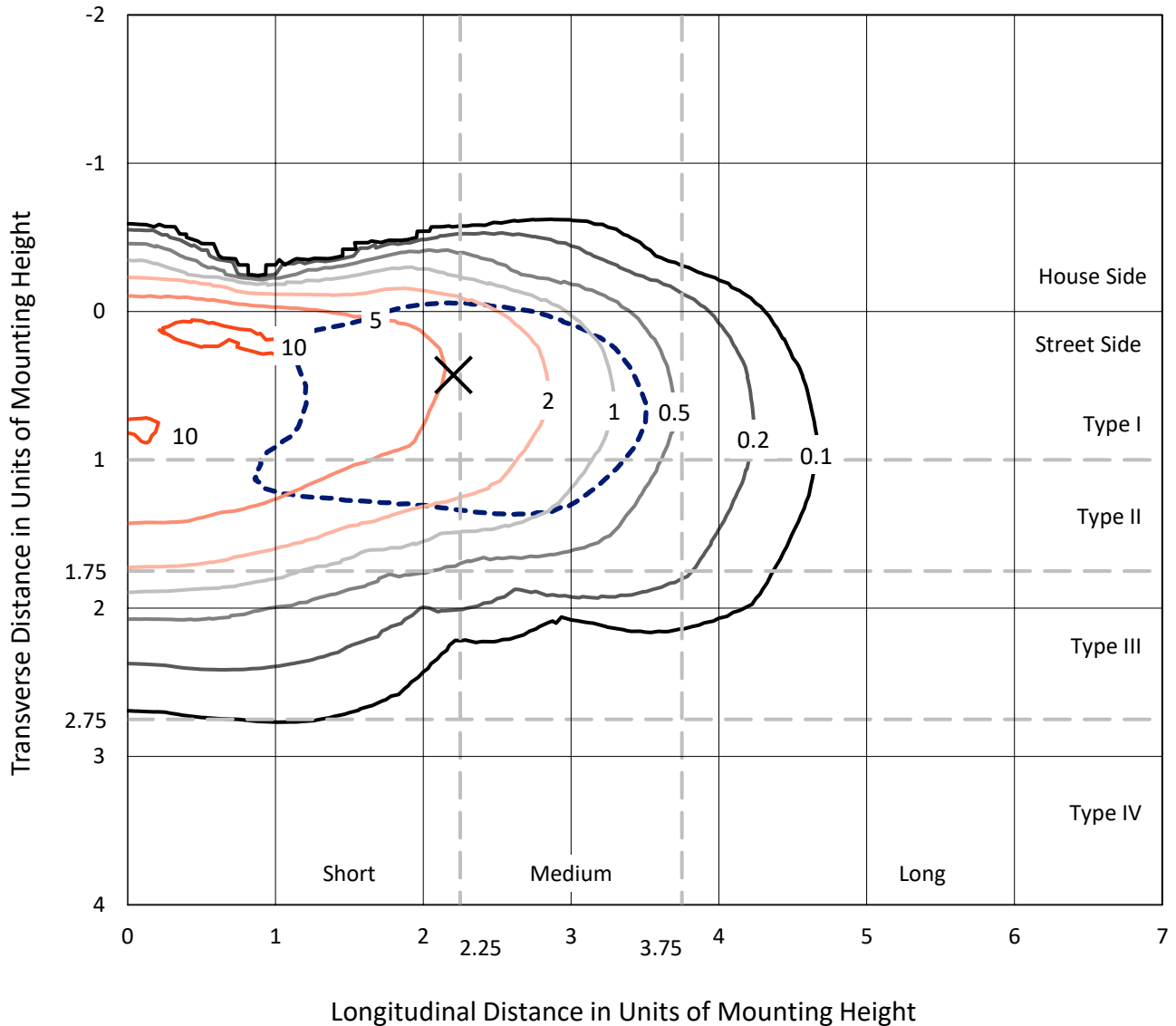
Lumens per Lamp: N/A  
Luminaire Lumens: 6056.6 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

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

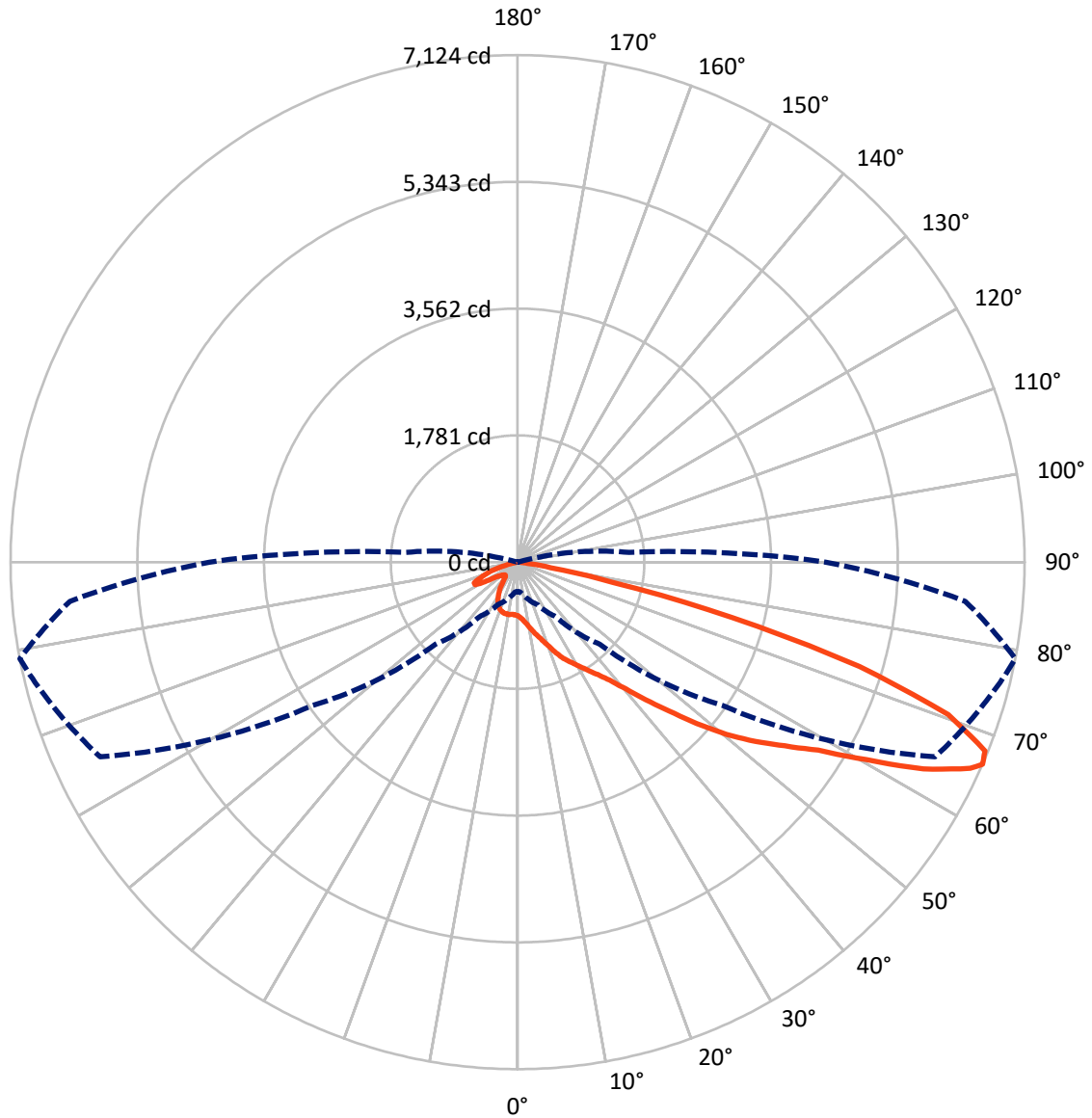
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	454.8	0.0	454.8
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	5601.8	0.0	5601.8
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	6056.6	0.0	6056.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.3	1.2
10°-20°	196.1	3.2
20°-30°	325.8	5.4
30°-40°	559.6	9.2
40°-50°	1013.8	16.7
50°-60°	1602.5	26.5
60°-70°	1630.7	26.9
70°-80°	621.9	10.3
80°-90°	34.9	0.6
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°	6056.6	100.0
0°-180°	6056.6	100.0

**Coefficient of Utilization**

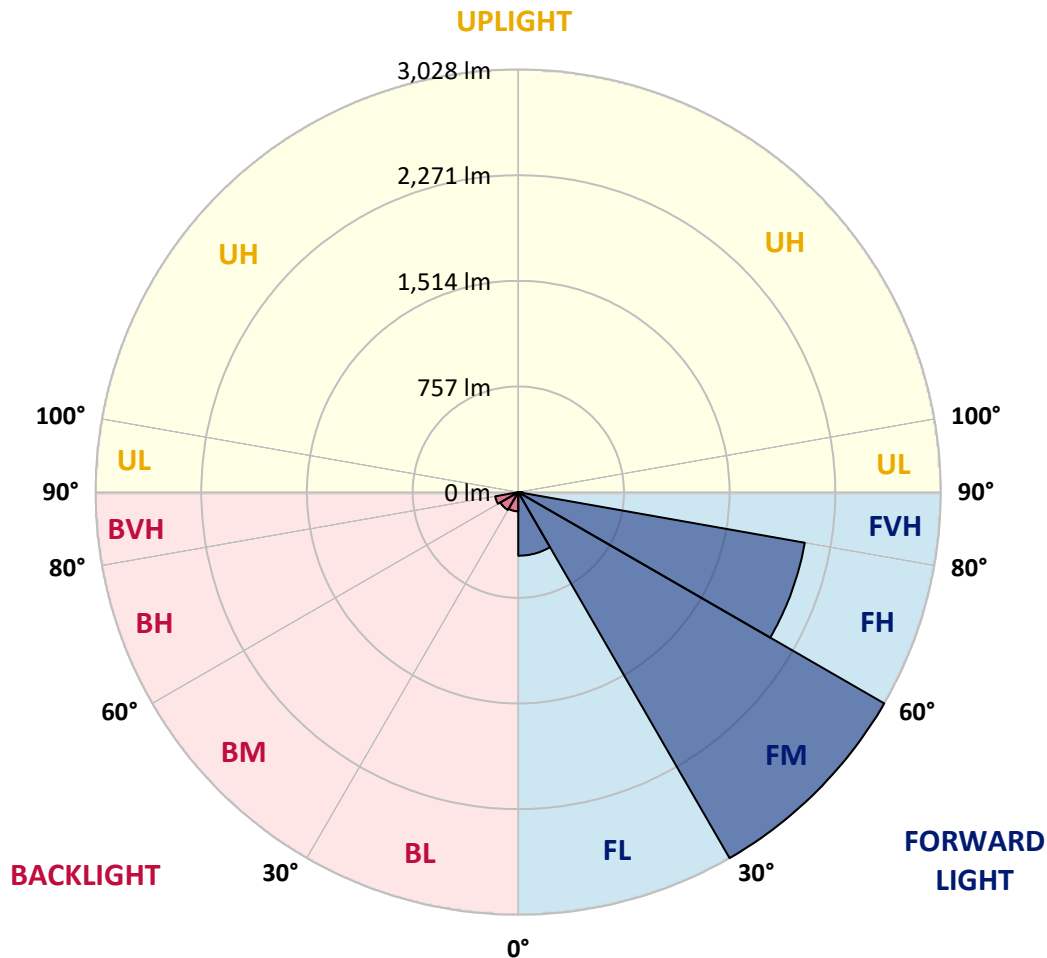


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.7	7.5			
FM (30°-60°)	3028.2	50.0			
FH (60°-80°)	2084.9	34.4			G2/5000
FVH (80°-90°)	33.1	0.5			G1/100
BL (0°-30°)	137.5	2.3	B1/500		
BM (30°-60°)	147.8	2.4	B0/220		
BH (60°-80°)	167.6	2.8	B1/500		G1/500
BVH (80°-90°)	1.8	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5
2.5°	853.4	852.5	848.8	842.2	833.8	831.0	818.9	802.1	792.7	782.5	777.8
5°	912.2	907.6	918.8	914.1	916.0	893.6	878.6	866.5	831.0	817.0	794.6
7.5°	925.3	930.0	929.1	936.5	944.0	952.4	942.1	924.4	888.9	868.4	844.1
10°	925.3	923.5	930.9	941.2	962.7	981.3	1009.4	986.0	958.9	934.7	890.8
12.5°	908.5	905.7	913.2	934.7	972.9	1011.2	1042.0	1064.4	1026.2	1006.6	949.6
15°	857.2	854.4	885.2	923.5	973.9	1036.4	1100.9	1137.3	1111.1	1080.3	1016.8
17.5°	793.7	797.4	830.1	893.6	973.9	1048.6	1130.7	1210.1	1206.4	1167.2	1100.9
20°	772.2	775.0	807.7	853.4	944.9	1057.0	1177.4	1289.5	1311.9	1265.2	1178.4
22.5°	813.3	810.5	813.3	841.3	925.3	1049.5	1208.2	1380.0	1420.2	1383.8	1280.1
25°	953.3	951.5	928.1	885.2	914.1	1032.7	1224.1	1439.8	1532.2	1498.6	1362.3
27.5°	1158.7	1151.3	1114.9	1025.2	966.4	1043.0	1250.3	1497.7	1630.3	1592.0	1436.1
30°	1379.1	1361.4	1313.7	1201.7	1101.8	1081.3	1265.2	1540.6	1739.5	1691.0	1500.5
32.5°	1531.3	1554.6	1539.7	1425.8	1272.7	1170.0	1289.5	1594.8	1840.4	1808.6	1610.7
35°	1766.6	1793.7	1731.1	1630.3	1476.2	1310.9	1340.8	1638.7	1995.4	1942.1	1713.4
37.5°	2063.5	2084.1	2039.2	1847.8	1685.4	1484.6	1446.3	1730.2	2128.9	2103.7	1845.0
40°	2212.9	2311.9	2248.4	2075.7	1901.1	1727.4	1620.9	1837.6	2361.4	2340.8	2027.1
42.5°	2419.3	2468.8	2436.1	2308.2	2126.1	1987.0	1836.6	2046.7	2643.4	2643.4	2273.6
45°	2637.8	2639.6	2637.8	2533.2	2371.7	2299.8	2128.0	2309.1	2946.8	2980.4	2568.7
47.5°	2817.0	2873.1	2868.4	2805.8	2680.7	2653.6	2419.3	2607.9	3327.8	3386.6	2856.3
50°	2909.5	2972.0	2990.7	3023.4	3017.8	3074.7	2737.7	2954.3	3656.5	3801.2	3226.0
52.5°	2884.3	2888.9	3003.8	3132.6	3338.1	3497.7	3121.4	3347.4	4041.1	4184.0	3511.7
55°	2677.9	2660.2	2896.4	3043.9	3468.8	3756.4	3652.7	3837.6	4340.9	4558.4	3806.8
57.5°	2225.1	2229.7	2448.2	2747.9	3371.7	3859.1	4220.4	4478.1	4761.0	4980.5	4221.4
60°	1536.0	1530.4	1775.0	2121.4	2801.2	3667.7	4547.2	5308.2	5323.1	5634.1	4965.5
62.5°	863.7	865.6	1051.4	1347.4	1959.9	2997.2	4531.4	6189.6	6126.2	6398.8	5811.5
65°	489.3	501.4	629.3	798.3	1173.7	2012.2	3897.4	6540.7	6745.2	6988.0	6325.0
66°	413.6	422.0	531.3	659.2	936.5	1632.1	3508.0	6472.6	6939.4	7124.3	6314.8
67.5°	320.3	331.5	423.0	522.9	687.2	1129.8	2823.6	6133.6	6974.9	7083.2	6136.4
70°	219.4	226.9	296.9	396.8	469.7	578.0	1688.2	5071.0	6328.8	6420.3	5333.4
72.5°	154.1	157.8	208.2	300.7	361.4	330.5	837.5	3607.9	4843.2	5021.6	4148.5
75°	111.1	114.8	142.9	215.7	282.0	216.6	383.8	2304.4	2970.2	3110.2	2498.6
77.5°	80.3	85.0	97.1	139.1	204.5	152.2	188.6	1203.6	1400.6	1376.3	1074.7
80°	48.6	53.2	71.9	89.6	149.4	107.4	103.6	502.3	496.7	471.5	338.0
82.5°	22.4	26.1	38.3	60.7	104.6	74.7	49.5	179.3	156.9	143.8	95.2
85°	6.5	8.4	22.4	45.8	53.2	36.4	29.9	61.6	64.4	55.1	31.7
87.5°	0.0	0.9	10.3	11.2	15.9	12.1	11.2	15.9	29.9	24.3	10.3
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°	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5	753.5
2.5°	761.0	754.4	738.6	714.3	692.8	681.6	665.7	651.7	644.3	643.3	642.4
5°	779.7	761.9	723.6	679.7	647.1	611.6	587.3	569.6	552.8	536.9	546.2
7.5°	804.9	776.9	714.3	657.3	586.4	540.6	497.7	472.5	457.5	443.5	441.7
10°	844.1	808.6	707.8	605.1	523.8	456.6	412.7	376.3	355.7	331.5	340.8
12.5°	897.3	833.8	683.5	557.4	452.9	381.9	319.3	260.5	227.8	202.6	203.6
15°	950.5	867.4	661.1	499.5	388.4	295.1	203.6	163.4	154.1	148.5	150.3
17.5°	1002.8	894.5	626.5	440.7	314.7	187.7	148.5	140.1	135.4	129.8	129.8
20°	1066.3	912.2	583.6	386.6	216.6	139.1	127.0	121.4	113.9	106.4	107.4
22.5°	1127.9	927.2	534.1	317.5	145.7	120.5	106.4	99.0	92.4	85.0	85.0
25°	1189.6	931.9	469.7	227.8	117.6	96.2	83.1	72.8	66.3	59.8	60.7
27.5°	1231.6	902.9	409.0	145.7	94.3	72.8	57.9	49.5	43.9	37.3	37.3
30°	1255.9	849.7	343.6	102.7	71.0	49.5	34.5	26.1	20.5	15.9	14.9
32.5°	1280.1	806.7	269.8	78.4	46.7	26.1	13.1	4.7	0.0	0.0	0.0
35°	1328.7	758.2	181.1	43.9	15.9	0.9	0.0	0.0	0.0	0.0	0.0
37.5°	1359.5	691.0	83.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1437.0	657.3	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1563.1	634.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1701.2	624.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1885.2	649.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2079.4	718.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2292.3	782.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2478.1	860.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2819.8	1043.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3433.3	1402.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	4124.3	1669.5	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4377.3	1663.0	17.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	4332.5	1571.5	17.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4100.0	1395.9	15.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3521.1	1153.1	15.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2684.5	898.2	14.9	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	1620.0	478.1	12.1	4.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	645.2	168.1	9.3	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	174.6	50.4	5.6	3.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	45.8	18.7	4.7	3.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	17.7	7.5	3.7	2.8	2.8	1.9	0.9	0.0	0.0	0.0	0.0
87.5°	5.6	2.8	2.8	1.9	1.9	0.9	0.9	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)