

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: P481583

Luminaire Tested: **IFLD-S-SA2A-730-U-T2-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P481583
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-730-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

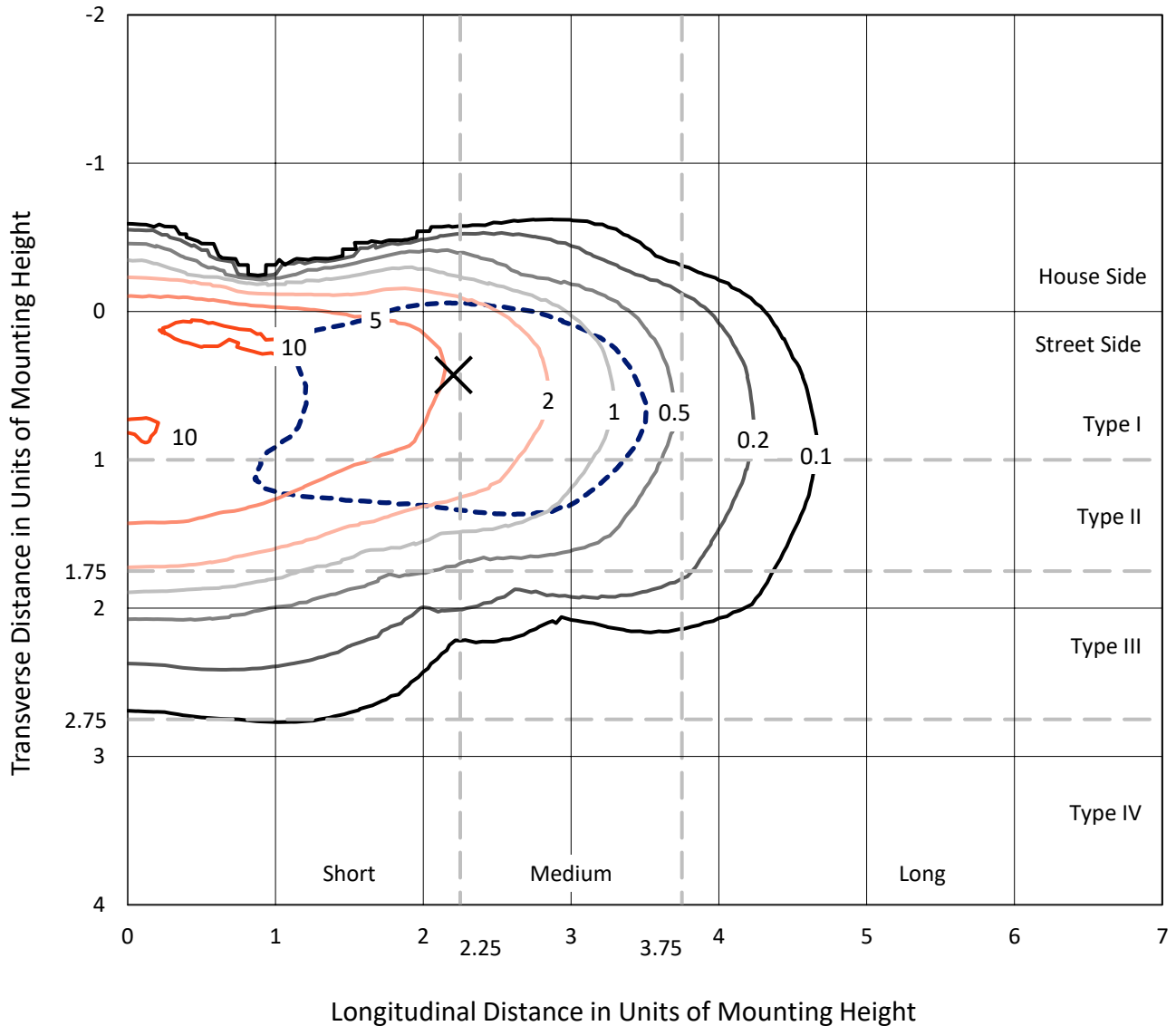
Lumens per Lamp: N/A
Luminaire Lumens: 6054.1 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
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

REPORT NUMBER: P481583
 CATALOG NUMBER: IFLD-S-SA2A-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

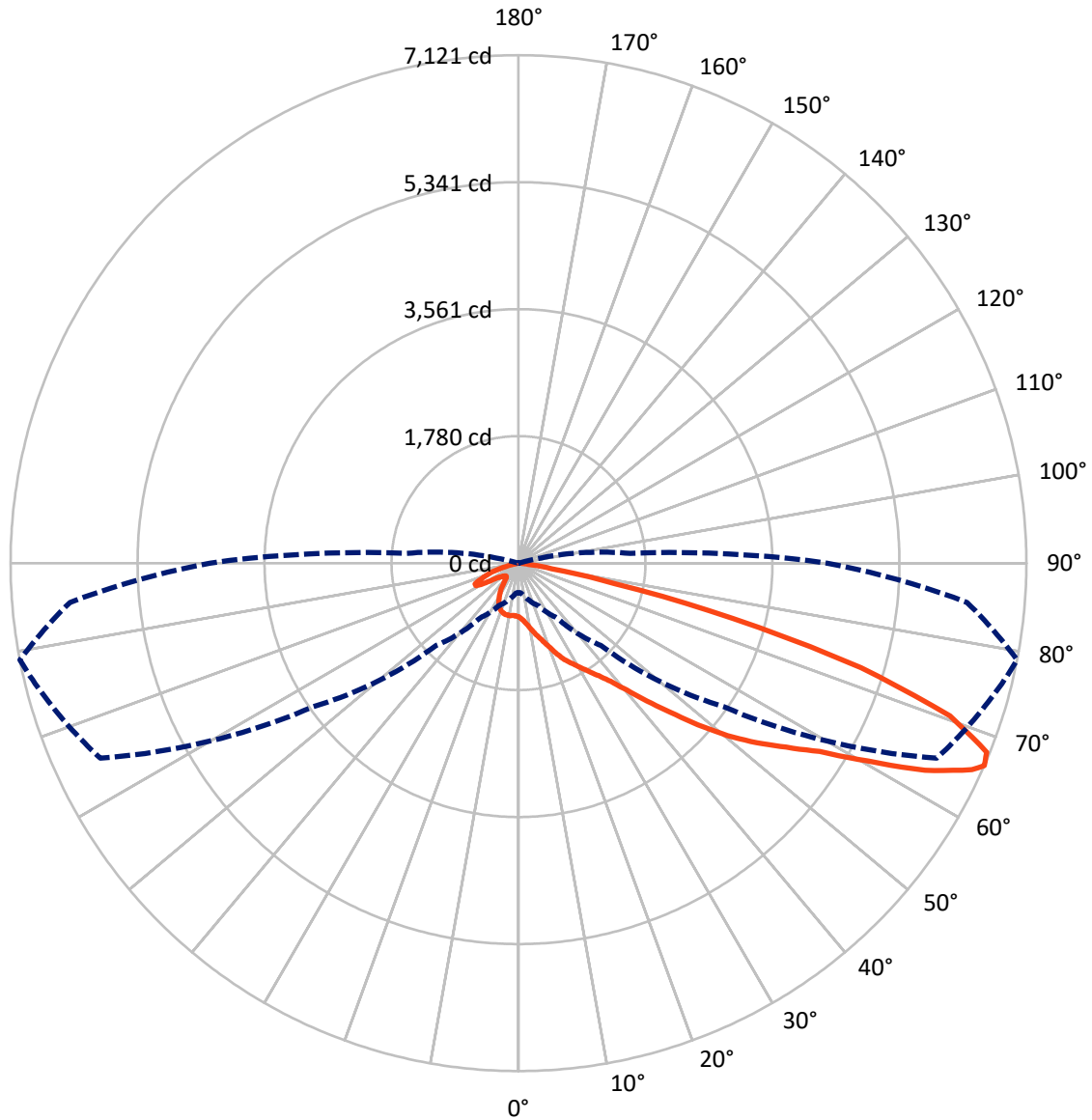
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P481583
CATALOG NUMBER: IFLD-S-SA2A-730-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P481583
 CATALOG NUMBER: IFLD-S-SA2A-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.6	0.0	454.6
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	5599.5	0.0	5599.5
	% Fixture	92.5	0.0	92.5
Total	Lumens	6054.1	0.0	6054.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.2
10°-20°	196.0	3.2
20°-30°	325.7	5.4
30°-40°	559.4	9.2
40°-50°	1013.4	16.7
50°-60°	1601.9	26.5
60°-70°	1630.0	26.9
70°-80°	621.6	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°	6054.1	100.0
0°-180°	6054.1	100.0

Coefficient of Utilization



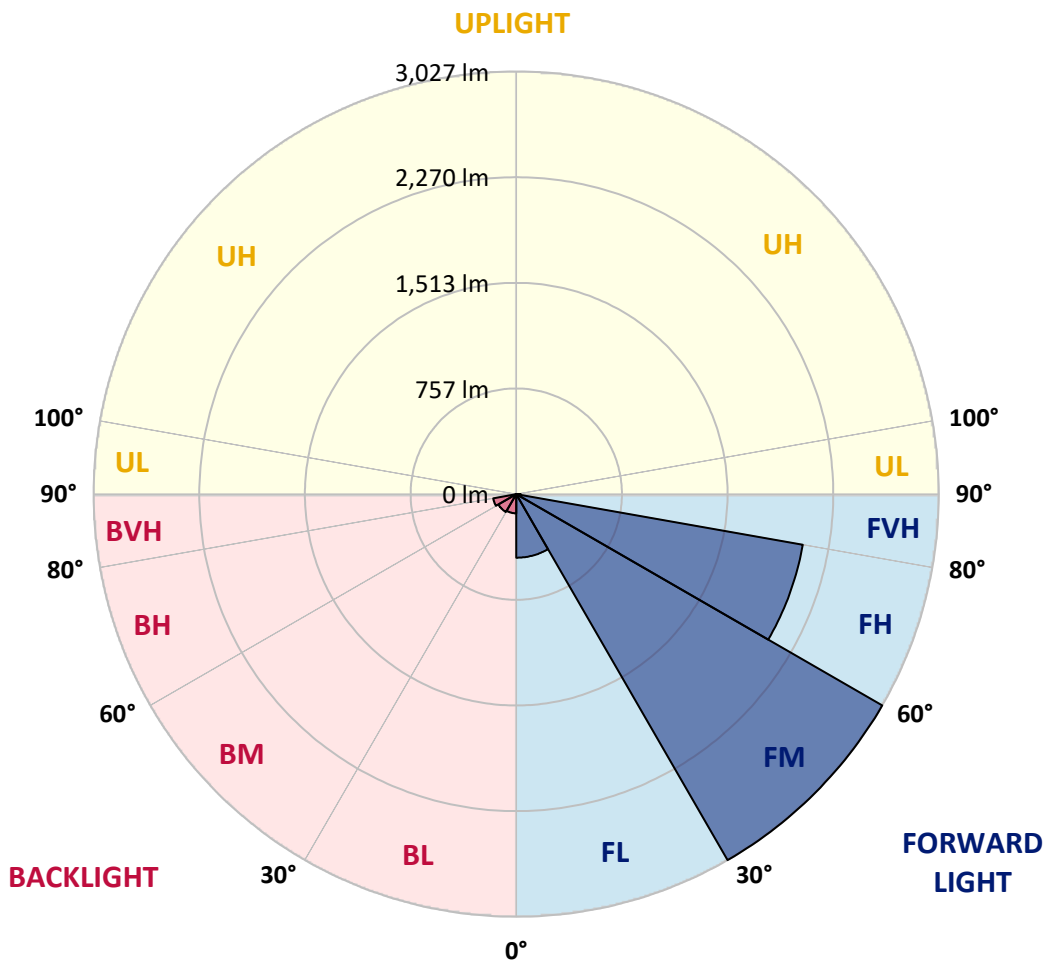
REPORT NUMBER: P481583
 CATALOG NUMBER: IFLD-S-SA2A-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	455.5	7.5			
FM (30°-60°)	3026.9	50.0			
FH (60°-80°)	2084.1	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°)	147.7	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





REPORT NUMBER: P481583

CATALOG NUMBER: IFLD-S-SA2A-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2
2.5°	853.1	852.1	848.4	841.9	833.5	830.7	818.5	801.7	792.4	782.1	777.5
5°	911.9	907.2	918.4	913.7	915.6	893.2	878.3	866.1	830.7	816.7	794.3
7.5°	924.9	929.6	928.7	936.1	943.6	952.0	941.7	924.0	888.5	868.0	843.7
10°	924.9	923.1	930.5	940.8	962.3	980.9	1008.9	985.6	958.5	934.3	890.4
12.5°	908.1	905.3	912.8	934.3	972.5	1010.8	1041.6	1064.0	1025.7	1006.1	949.2
15°	856.8	854.0	884.8	923.1	973.5	1036.0	1100.4	1136.8	1110.7	1079.9	1016.4
17.5°	793.3	797.1	829.7	893.2	973.5	1048.1	1130.3	1209.6	1205.9	1166.7	1100.4
20°	771.9	774.7	807.3	853.1	944.5	1056.5	1176.9	1288.9	1311.3	1264.7	1177.9
22.5°	812.9	810.1	812.9	840.9	924.9	1049.1	1207.7	1379.5	1419.6	1383.2	1279.6
25°	952.9	951.1	927.7	884.8	913.7	1032.3	1223.6	1439.2	1531.6	1498.0	1361.7
27.5°	1158.3	1150.8	1114.4	1024.8	966.0	1042.5	1249.7	1497.1	1629.6	1591.3	1435.5
30°	1378.5	1360.8	1313.2	1201.2	1101.3	1080.8	1264.7	1540.0	1738.8	1690.3	1499.9
32.5°	1530.7	1554.0	1539.1	1425.2	1272.1	1169.5	1288.9	1594.1	1839.6	1807.9	1610.0
35°	1765.9	1792.9	1730.4	1629.6	1475.6	1310.4	1340.3	1638.0	1994.5	1941.3	1712.7
37.5°	2062.7	2083.2	2038.4	1847.1	1684.7	1484.0	1445.7	1729.5	2128.0	2102.8	1844.3
40°	2212.0	2310.9	2247.5	2074.8	1900.3	1726.7	1620.3	1836.8	2360.4	2339.9	2026.3
42.5°	2418.3	2467.7	2435.1	2307.2	2125.2	1986.1	1835.9	2045.9	2642.3	2642.3	2272.7
45°	2636.7	2638.5	2636.7	2532.1	2370.7	2298.8	2127.1	2308.1	2945.6	2979.2	2567.6
47.5°	2815.9	2871.9	2867.2	2804.7	2679.6	2652.5	2418.3	2606.8	3326.4	3385.2	2855.1
50°	2908.3	2970.8	2989.5	3022.1	3016.5	3073.5	2736.5	2953.1	3654.9	3799.6	3224.7
52.5°	2883.1	2887.7	3002.5	3131.3	3336.7	3496.3	3120.1	3346.0	4039.5	4182.3	3510.3
55°	2676.8	2659.1	2895.2	3042.7	3467.3	3754.8	3651.2	3836.0	4339.1	4556.6	3805.2
57.5°	2224.1	2228.8	2447.2	2746.8	3370.3	3857.5	4218.7	4476.3	4759.1	4978.4	4219.6
60°	1535.3	1529.7	1774.3	2120.5	2800.0	3666.1	4545.4	5306.0	5321.0	5631.8	4963.5
62.5°	863.3	865.2	1050.9	1346.8	1959.1	2996.0	4529.5	6187.1	6123.6	6396.2	5809.1
65°	489.1	501.2	629.1	798.0	1173.2	2011.3	3895.7	6538.0	6742.4	6985.1	6322.4
66°	413.5	421.9	531.1	658.9	936.1	1631.5	3506.5	6469.9	6936.6	7121.4	6312.2
67.5°	320.1	331.3	422.8	522.7	686.9	1129.3	2822.4	6131.1	6972.0	7080.3	6133.9
70°	219.3	226.8	296.8	396.7	469.5	577.7	1687.5	5069.0	6326.2	6417.6	5331.2
72.5°	154.0	157.7	208.1	300.5	361.2	330.4	837.2	3606.4	4841.2	5019.5	4146.8
75°	111.1	114.8	142.8	215.6	281.9	216.5	383.6	2303.5	2968.9	3108.9	2497.6
77.5°	80.3	84.9	97.1	139.1	204.4	152.1	188.5	1203.1	1400.0	1375.7	1074.3
80°	48.5	53.2	71.9	89.6	149.3	107.3	103.6	502.1	496.5	471.3	337.9
82.5°	22.4	26.1	38.3	60.7	104.5	74.7	49.5	179.2	156.8	143.7	95.2
85°	6.5	8.4	22.4	45.7	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



REPORT NUMBER: P481583
 CATALOG NUMBER: IFLD-S-SA2A-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2	753.2
2.5°	760.7	754.1	738.3	714.0	692.5	681.3	665.5	651.5	644.0	643.1	642.1
5°	779.3	761.6	723.3	679.5	646.8	611.3	587.1	569.3	552.5	536.7	546.0
7.5°	804.5	776.5	714.0	657.1	586.1	540.4	497.5	472.3	457.3	443.3	441.5
10°	843.7	808.3	707.5	604.8	523.6	456.4	412.5	376.1	355.6	331.3	340.7
12.5°	896.9	833.5	683.2	557.2	452.7	381.7	319.2	260.4	227.7	202.5	203.5
15°	950.1	867.1	660.8	499.3	388.3	294.9	203.5	163.3	154.0	148.4	150.3
17.5°	1002.4	894.1	626.3	440.5	314.5	187.6	148.4	140.0	135.3	129.7	129.7
20°	1065.9	911.9	583.3	386.4	216.5	139.1	126.9	121.3	113.9	106.4	107.3
22.5°	1127.5	926.8	533.9	317.3	145.6	120.4	106.4	98.9	92.4	84.9	84.9
25°	1189.1	931.5	469.5	227.7	117.6	96.1	83.1	72.8	66.3	59.7	60.7
27.5°	1231.1	902.5	408.8	145.6	94.3	72.8	57.9	49.5	43.9	37.3	37.3
30°	1255.3	849.3	343.5	102.7	70.9	49.5	34.5	26.1	20.5	15.9	14.9
32.5°	1279.6	806.4	269.7	78.4	46.7	26.1	13.1	4.7	0.0	0.0	0.0
35°	1328.1	757.9	181.1	43.9	15.9	0.9	0.0	0.0	0.0	0.0	0.0
37.5°	1358.9	690.7	83.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1436.4	657.1	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1562.4	633.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1700.5	624.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1884.4	649.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2078.5	717.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2291.3	782.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2477.1	859.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2818.7	1042.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3431.9	1401.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	4122.5	1668.8	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4375.5	1662.3	17.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	4330.7	1570.8	17.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4098.3	1395.3	15.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3519.6	1152.7	15.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2683.3	897.9	14.9	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	1619.3	477.9	12.1	4.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	644.9	168.0	9.3	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	174.5	50.4	5.6	3.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	45.7	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)