

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: P482486

Luminaire Tested: **IFLD-S-SA3B-750-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482486  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-750-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

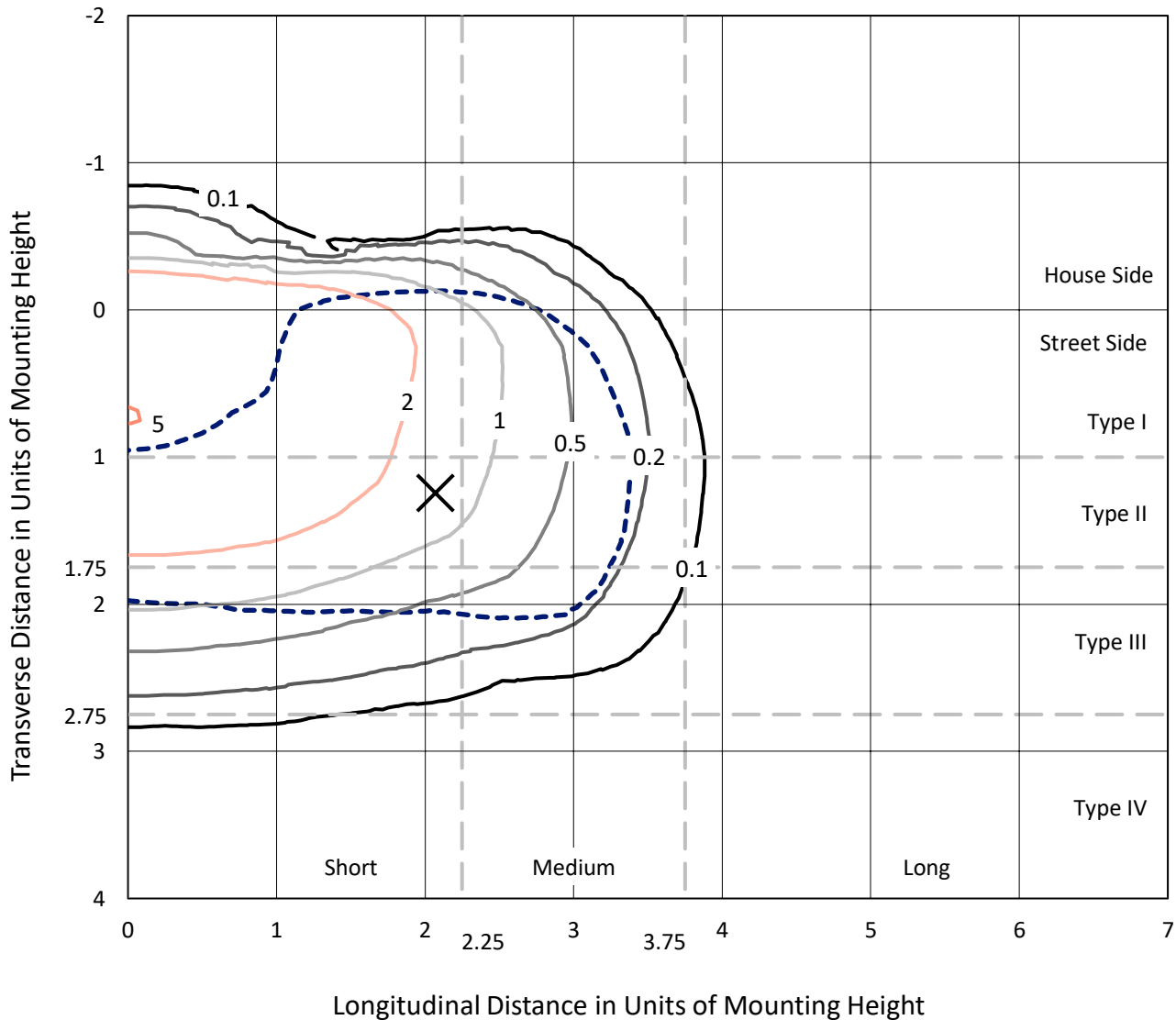
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12915.3 lumens  
Efficiency: N/A  
Efficacy: 105.5 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): 122.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

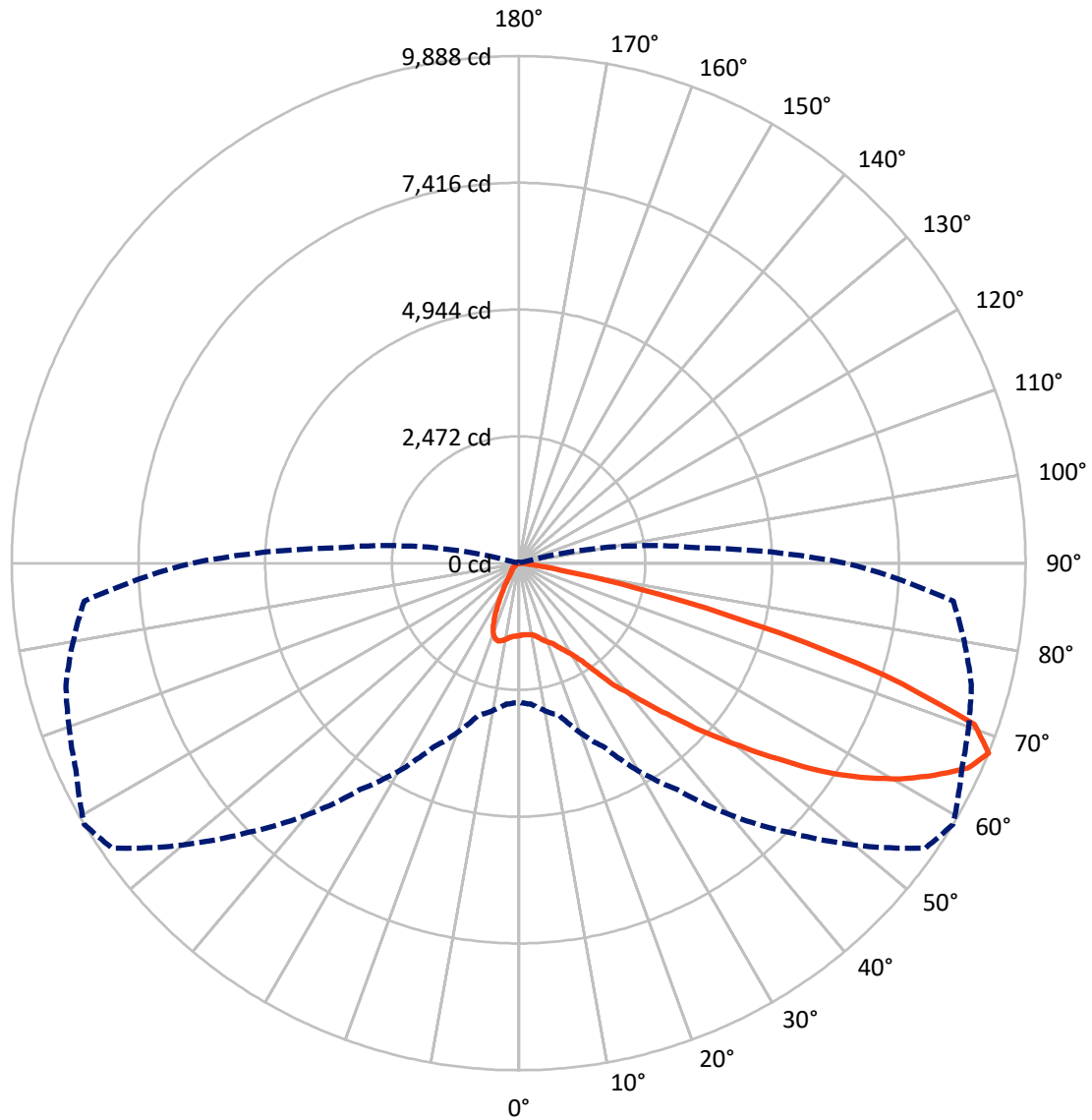
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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
<b>House Side</b>	Lumens	1517.1	0.0	1517.1
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	11398.2	0.0	11398.2
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	12915.3	0.0	12915.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.6	1.0
10°-20°	388.7	3.0
20°-30°	679.3	5.3
30°-40°	1196.0	9.3
40°-50°	2114.2	16.4
50°-60°	3347.6	25.9
60°-70°	3713.4	28.8
70°-80°	1288.5	10.0
80°-90°	53.1	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°	12915.3	100.0
0°-180°	12915.3	100.0

**Coefficient of Utilization**

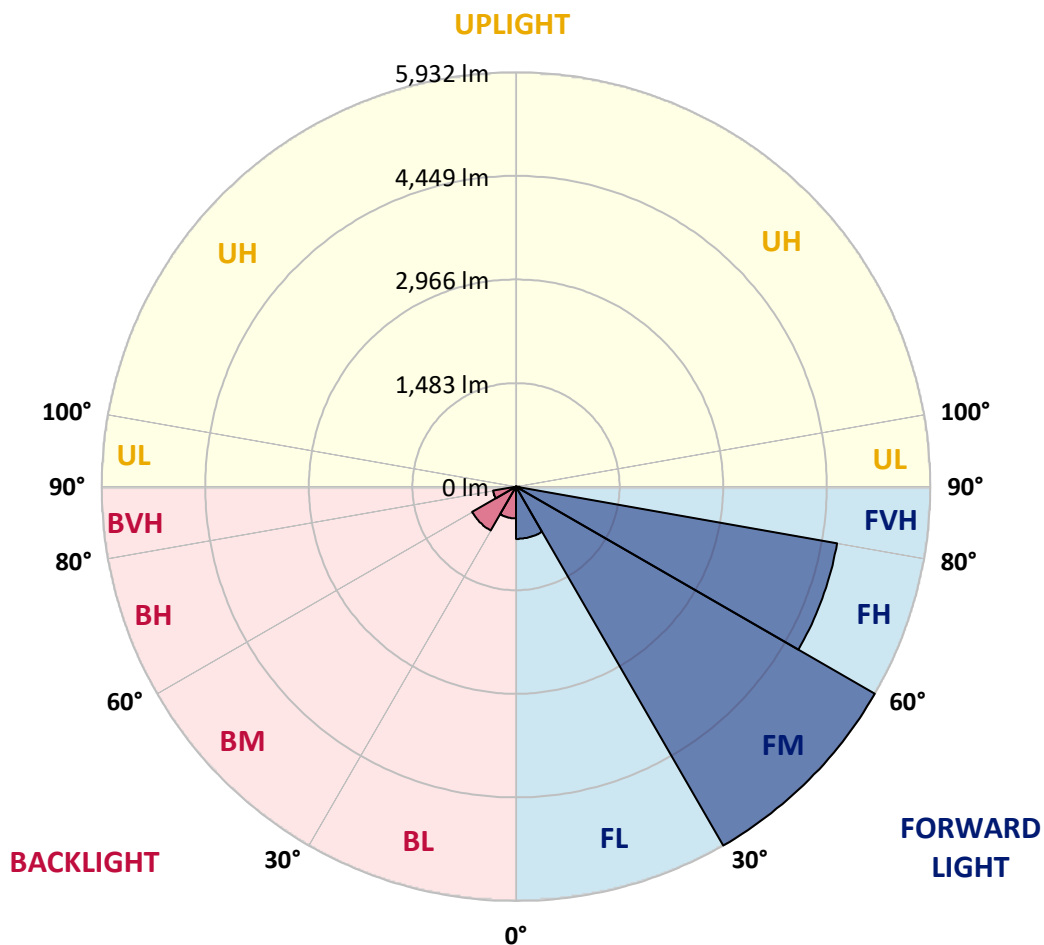


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.9	5.8			
FM (30°-60°)	5932.5	45.9			
FH (60°-80°)	4668.2	36.1			G2/5000
FVH (80°-90°)	49.6	0.4			G1/100
BL (0°-30°)	454.7	3.5	B1/500		
BM (30°-60°)	725.4	5.6	B1/1000		
BH (60°-80°)	333.6	2.6	B1/500		G1/500
BVH (80°-90°)	3.4	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°	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6
2.5°	1375.5	1355.9	1373.8	1375.5	1377.3	1393.4	1411.2	1398.7	1397.0	1411.2	1423.7
5°	1320.2	1311.3	1332.7	1343.4	1361.3	1375.5	1404.1	1405.9	1407.7	1423.7	1445.1
7.5°	1297.0	1275.6	1300.6	1313.1	1325.6	1359.5	1393.4	1411.2	1436.2	1455.8	1477.2
10°	1250.7	1266.7	1273.9	1295.3	1330.9	1370.2	1411.2	1420.1	1475.5	1491.5	1543.3
12.5°	1266.7	1277.4	1291.7	1297.0	1336.3	1395.2	1450.5	1454.0	1511.1	1580.7	1607.5
15°	1307.7	1300.6	1306.0	1313.1	1359.5	1407.7	1496.9	1512.9	1566.4	1644.9	1711.0
17.5°	1395.2	1382.7	1373.8	1372.0	1382.7	1427.3	1532.5	1580.7	1630.7	1737.7	1771.6
20°	1614.6	1603.9	1568.2	1475.5	1443.3	1461.2	1575.4	1643.2	1712.7	1832.3	1887.6
22.5°	1948.2	1958.9	1875.1	1744.9	1611.0	1541.5	1643.2	1702.0	1812.7	1964.3	2014.3
25°	2342.5	2321.1	2219.4	2067.8	1857.3	1693.1	1752.0	1818.0	1953.6	2078.5	2098.1
27.5°	2651.2	2626.2	2547.7	2363.9	2182.0	1916.1	1894.7	1935.8	2096.3	2208.7	2187.3
30°	2956.3	2965.2	2911.7	2694.0	2469.2	2189.1	2053.5	2071.3	2194.4	2339.0	2290.8
32.5°	3345.2	3323.8	3293.5	3102.6	2836.7	2537.0	2305.1	2276.5	2330.0	2520.9	2463.8
35°	3707.4	3694.9	3653.8	3461.2	3229.2	2902.7	2676.2	2611.9	2599.4	2811.7	2711.8
37.5°	4023.2	4001.7	3939.3	3816.2	3591.4	3316.7	3068.7	3011.6	3009.8	3156.1	2963.4
40°	4289.0	4305.0	4297.9	4162.3	4039.2	3819.8	3439.8	3348.8	3341.6	3420.1	3307.7
42.5°	4633.3	4670.8	4651.2	4624.4	4476.3	4390.7	3960.7	3821.6	3759.1	3919.7	3818.0
45°	5154.3	5168.6	5181.0	5115.0	4966.9	4984.8	4499.5	4333.6	4317.5	4556.6	4328.2
47.5°	5641.3	5603.9	5691.3	5694.9	5687.7	5605.7	5081.1	4958.0	4979.4	5161.4	4925.9
50°	5762.7	5859.0	6099.9	6144.5	6260.4	6335.4	5727.0	5603.9	5639.6	5846.5	5577.1
52.5°	5857.2	6003.5	6244.4	6570.9	6883.1	7061.5	6449.5	6349.6	6347.8	6474.5	6103.4
55°	6023.1	6112.3	6321.1	6770.7	7364.8	7657.4	7320.2	7159.6	7015.1	7104.3	6649.4
57.5°	6007.1	6041.0	6365.7	6920.5	7746.6	8278.2	8035.6	7882.2	7696.6	7644.9	7277.4
60°	5725.2	5805.5	6169.4	6818.8	7982.1	8761.7	8702.9	8545.9	8226.5	8105.2	7759.1
62.5°	5166.8	5273.8	5559.3	6462.0	7639.5	8786.7	9163.2	9104.3	8747.5	8529.8	8387.1
65°	4187.3	4237.2	4565.5	5555.7	6865.2	8403.1	9707.3	9634.2	9305.9	8981.2	8710.0
67.5°	2711.8	2760.0	3075.8	3966.1	5391.6	7413.0	9685.9	9887.5	9532.5	9141.8	8508.4
70°	1281.0	1268.5	1562.9	2203.4	3454.0	5661.0	9031.1	9429.0	9127.5	8287.2	7066.8
72.5°	390.7	424.6	649.4	975.9	1773.4	3530.7	7079.3	7452.2	7357.6	6620.8	4717.2
75°	173.1	187.3	255.1	399.6	719.0	1448.7	4372.8	4704.7	4663.6	3905.4	2153.4
77.5°	110.6	121.3	160.6	228.4	326.5	460.3	2014.3	2337.2	2265.8	1372.0	563.8
80°	78.5	83.9	114.2	157.0	205.2	189.1	694.0	824.3	790.4	372.9	151.6
82.5°	42.8	46.4	83.9	116.0	137.4	96.3	194.5	242.6	253.3	165.9	73.1
85°	16.1	19.6	51.7	82.1	71.4	44.6	57.1	69.6	91.0	91.0	33.9
87.5°	0.0	1.8	21.4	35.7	17.8	12.5	16.1	19.6	25.0	42.8	12.5
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°	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6
2.5°	1432.6	1420.1	1425.5	1434.4	1414.8	1425.5	1404.1	1420.1	1425.5	1404.1	1414.8
5°	1450.5	1463.0	1455.8	1441.6	1429.1	1432.6	1427.3	1414.8	1425.5	1429.1	1421.9
7.5°	1502.2	1487.9	1491.5	1475.5	1450.5	1448.7	1414.8	1405.9	1409.4	1413.0	1400.5
10°	1550.4	1559.3	1541.5	1529.0	1487.9	1461.2	1414.8	1364.8	1359.5	1338.1	1355.9
12.5°	1636.0	1614.6	1607.5	1566.4	1525.4	1436.2	1336.3	1259.6	1195.4	1172.2	1149.0
15°	1707.4	1703.8	1691.3	1628.9	1534.3	1372.0	1182.9	1004.5	881.3	804.6	793.9
17.5°	1805.5	1789.5	1766.3	1668.1	1468.3	1204.3	881.3	656.6	533.4	485.3	467.4
20°	1880.4	1868.0	1835.8	1659.2	1348.8	897.4	545.9	417.5	387.2	378.2	380.0
22.5°	1989.3	1950.0	1889.4	1614.6	1131.1	597.7	392.5	372.9	367.5	360.4	362.2
25°	2083.8	2048.2	1921.5	1537.9	806.4	396.1	364.0	353.3	344.3	335.4	333.6
27.5°	2167.7	2123.1	1955.4	1380.9	504.9	340.8	337.2	324.7	306.9	292.6	287.2
30°	2249.8	2198.0	1964.3	1086.5	340.8	308.7	299.7	280.1	256.9	237.3	233.7
32.5°	2387.1	2324.7	1951.8	776.1	294.4	274.8	255.1	231.9	198.0	182.0	178.4
35°	2601.2	2506.7	1935.8	456.7	264.0	242.6	212.3	182.0	157.0	140.9	137.4
37.5°	2847.4	2683.3	1889.4	305.1	242.6	214.1	174.8	144.5	123.1	110.6	107.0
40°	3213.2	2942.0	1711.0	249.8	215.9	182.0	140.9	114.2	98.1	89.2	85.6
42.5°	3616.4	3238.1	1436.2	224.8	190.9	155.2	112.4	92.8	80.3	71.4	71.4
45°	4099.9	3546.8	1107.9	205.2	169.5	128.5	92.8	74.9	64.2	57.1	53.5
47.5°	4638.7	3826.9	747.5	185.5	142.7	105.3	76.7	57.1	46.4	41.0	41.0
50°	5120.4	4074.9	476.4	162.4	124.9	87.4	62.4	46.4	37.5	30.3	28.5
52.5°	5557.5	4264.0	328.3	142.7	107.0	71.4	51.7	37.5	28.5	23.2	23.2
55°	6005.3	4360.4	242.6	123.1	92.8	60.7	42.8	33.9	25.0	19.6	17.8
57.5°	6372.8	4401.4	185.5	107.0	78.5	48.2	37.5	28.5	21.4	16.1	14.3
60°	6686.8	4381.8	144.5	89.2	62.4	41.0	32.1	23.2	17.8	12.5	10.7
62.5°	6870.6	4264.0	114.2	76.7	50.0	35.7	26.8	19.6	12.5	8.9	7.1
65°	6874.2	4014.2	89.2	57.1	37.5	30.3	23.2	16.1	8.9	3.6	1.8
67.5°	6381.7	3473.7	71.4	44.6	30.3	23.2	17.8	12.5	3.6	0.0	0.0
70°	4991.9	2628.0	58.9	35.7	25.0	19.6	12.5	7.1	1.8	0.0	0.0
72.5°	3181.1	1573.6	48.2	28.5	21.4	14.3	8.9	5.4	0.0	0.0	0.0
75°	1330.9	485.3	37.5	25.0	16.1	10.7	7.1	1.8	0.0	0.0	0.0
77.5°	342.5	153.4	30.3	21.4	16.1	8.9	5.4	1.8	0.0	0.0	0.0
80°	101.7	57.1	25.0	17.8	12.5	7.1	3.6	1.8	0.0	0.0	0.0
82.5°	46.4	33.9	21.4	16.1	10.7	7.1	3.6	0.0	0.0	0.0	0.0
85°	17.8	10.7	10.7	8.9	8.9	5.4	1.8	0.0	0.0	0.0	0.0
87.5°	7.1	3.6	3.6	3.6	1.8	1.8	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)