

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: P482305

Luminaire Tested: **IFLD-S-SA6A-722-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482305  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-722-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

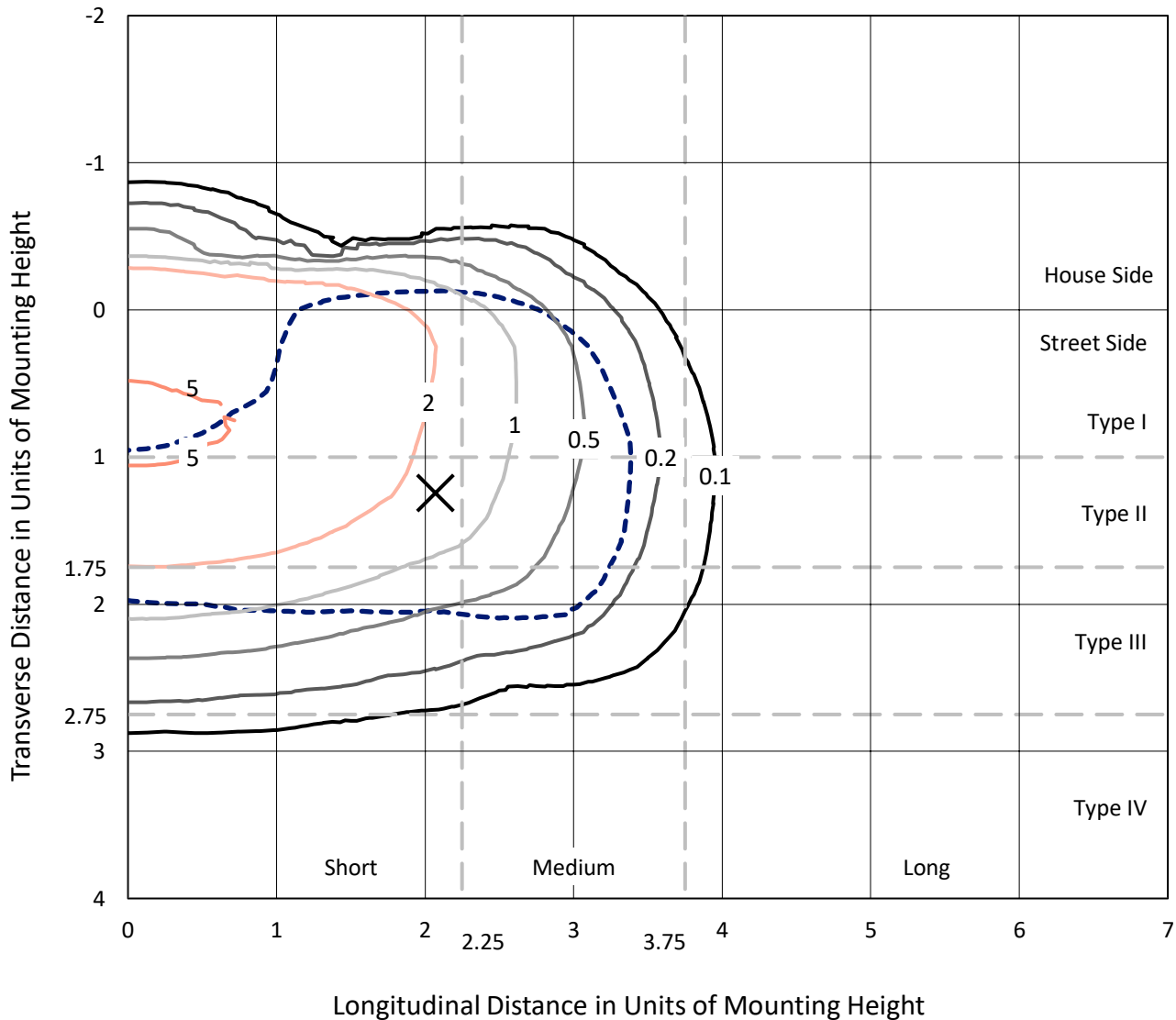
Lumens per Lamp: N/A  
Luminaire Lumens: 14752 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6  
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

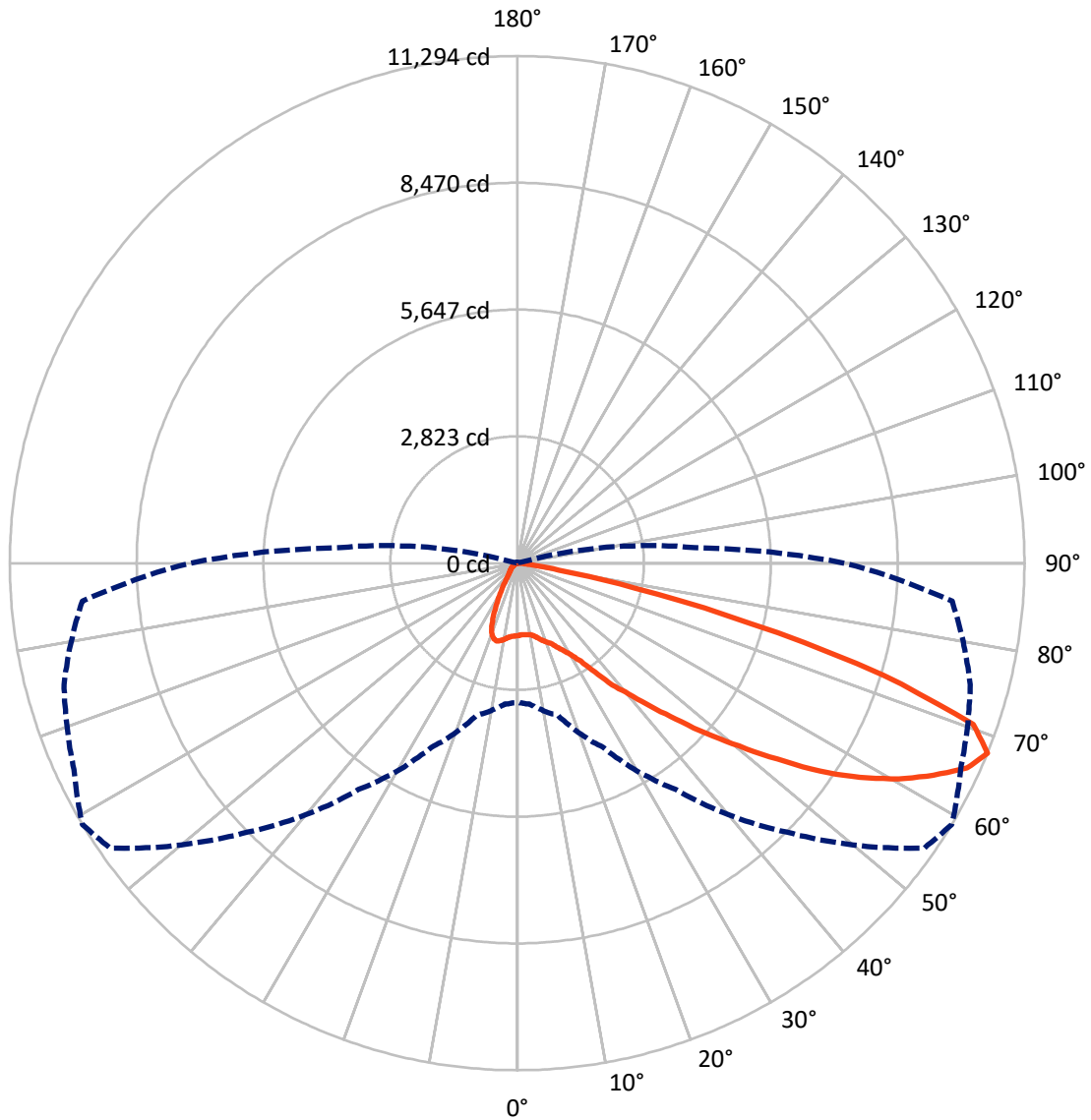
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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	1732.9	0.0	1732.9
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	13019.1	0.0	13019.1
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	14752.0	0.0	14752.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.7	1.0
10°-20°	444.0	3.0
20°-30°	775.9	5.3
30°-40°	1366.1	9.3
40°-50°	2414.9	16.4
50°-60°	3823.6	25.9
60°-70°	4241.5	28.8
70°-80°	1471.7	10.0
80°-90°	60.6	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°	14752.0	100.0
0°-180°	14752.0	100.0

**Coefficient of Utilization**

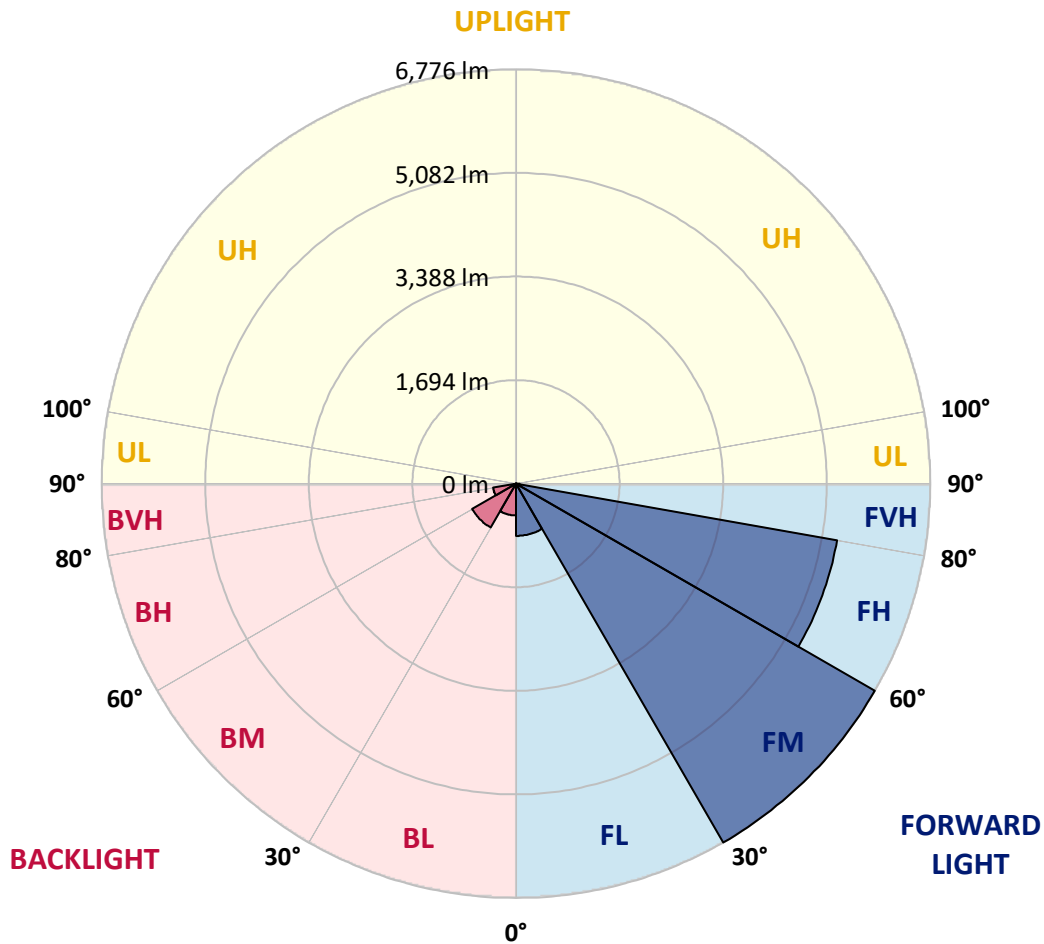


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	854.3	5.8			
FM (30°-60°)	6776.1	45.9			
FH (60°-80°)	5332.1	36.1			G3/7500
FVH (80°-90°)	56.7	0.4			G1/100
BL (0°-30°)	519.4	3.5	B2/1000		
BM (30°-60°)	828.5	5.6	B1/1000		
BH (60°-80°)	381.1	2.6	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0
2.5°	1571.2	1548.7	1569.1	1571.2	1573.2	1591.5	1611.9	1597.7	1595.6	1611.9	1626.2
5°	1508.0	1497.8	1522.3	1534.5	1554.9	1571.2	1603.8	1605.8	1607.8	1626.2	1650.6
7.5°	1481.5	1457.0	1485.6	1499.8	1514.1	1552.8	1591.5	1611.9	1640.4	1662.9	1687.3
10°	1428.5	1446.9	1455.0	1479.5	1520.2	1565.0	1611.9	1622.1	1685.3	1703.6	1762.7
12.5°	1446.9	1459.1	1475.4	1481.5	1526.3	1593.6	1656.8	1660.8	1726.0	1805.5	1836.1
15°	1493.7	1485.6	1491.7	1499.8	1552.8	1607.8	1709.7	1728.1	1789.2	1878.9	1954.3
17.5°	1593.6	1579.3	1569.1	1567.1	1579.3	1630.3	1750.5	1805.5	1862.6	1984.8	2023.6
20°	1844.2	1832.0	1791.2	1685.3	1648.6	1669.0	1799.4	1876.8	1956.3	2092.8	2156.0
22.5°	2225.3	2237.5	2141.8	1993.0	1840.2	1760.7	1876.8	1944.1	2070.4	2243.6	2300.7
25°	2675.7	2651.2	2535.1	2361.8	2121.4	1933.9	2001.1	2076.5	2231.4	2374.1	2396.5
27.5°	3028.2	2999.7	2910.0	2700.1	2492.3	2188.6	2164.2	2211.0	2394.4	2522.8	2498.4
30°	3376.7	3386.9	3325.7	3077.1	2820.3	2500.4	2345.5	2365.9	2506.5	2671.6	2616.6
32.5°	3820.9	3796.5	3761.8	3543.8	3240.1	2897.8	2632.9	2600.3	2661.4	2879.4	2814.2
35°	4234.6	4220.3	4173.5	3953.4	3688.5	3315.5	3056.7	2983.4	2969.1	3211.6	3097.5
37.5°	4595.3	4570.8	4499.5	4358.9	4102.1	3788.3	3505.1	3439.8	3437.8	3604.9	3384.8
40°	4898.9	4917.3	4909.1	4754.2	4613.6	4363.0	3928.9	3825.0	3816.8	3906.5	3778.1
42.5°	5292.2	5335.0	5312.6	5282.0	5112.9	5015.1	4524.0	4365.0	4293.7	4477.1	4360.9
45°	5887.3	5903.6	5917.8	5842.4	5673.3	5693.7	5139.4	4949.9	4931.5	5204.6	4943.8
47.5°	6443.6	6400.8	6500.7	6504.7	6496.6	6402.8	5803.7	5663.1	5687.6	5895.4	5626.4
50°	6582.2	6692.2	6967.3	7018.3	7150.7	7236.3	6541.4	6400.8	6441.6	6678.0	6370.2
52.5°	6690.2	6857.3	7132.4	7505.3	7861.9	8065.7	7366.7	7252.6	7250.6	7395.3	6971.4
55°	6879.7	6981.6	7220.0	7733.5	8412.1	8746.3	8361.2	8177.8	8012.7	8114.6	7595.0
57.5°	6861.4	6900.1	7271.0	7904.7	8848.2	9455.5	9178.4	9003.1	8791.2	8732.1	8312.3
60°	6539.4	6631.1	7046.8	7788.6	9117.2	10007.8	9940.5	9761.2	9396.4	9257.8	8862.5
62.5°	5901.5	6023.8	6349.9	7381.0	8726.0	10036.3	10466.3	10399.0	9991.5	9742.8	9579.8
65°	4782.8	4839.8	5214.8	6345.8	7841.5	9598.2	11087.8	11004.3	10629.3	10258.4	9948.7
67.5°	3097.5	3152.5	3513.2	4530.1	6158.3	8467.2	11063.3	11293.6	10888.1	10441.8	9718.4
70°	1463.2	1448.9	1785.1	2516.7	3945.2	6466.0	10315.5	10769.9	10425.5	9465.7	8071.8
72.5°	446.3	485.0	741.8	1114.7	2025.6	4032.9	8086.1	8512.0	8404.0	7562.4	5388.0
75°	197.7	214.0	291.4	456.5	821.2	1654.7	4994.7	5373.7	5326.9	4460.8	2459.7
77.5°	126.3	138.6	183.4	260.8	372.9	525.8	2300.7	2669.5	2588.0	1567.1	644.0
80°	89.7	95.8	130.4	179.3	234.3	216.0	792.7	941.5	902.8	425.9	173.2
82.5°	48.9	53.0	95.8	132.5	156.9	110.0	222.1	277.1	289.4	189.5	83.6
85°	18.3	22.4	59.1	93.7	81.5	50.9	65.2	79.5	103.9	103.9	38.7
87.5°	0.0	2.0	24.5	40.8	20.4	14.3	18.3	22.4	28.5	48.9	14.3
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°	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0	1618.0
2.5°	1636.4	1622.1	1628.2	1638.4	1616.0	1628.2	1603.8	1622.1	1628.2	1603.8	1616.0
5°	1656.8	1671.0	1662.9	1646.6	1632.3	1636.4	1630.3	1616.0	1628.2	1632.3	1624.1
7.5°	1715.8	1699.5	1703.6	1685.3	1656.8	1654.7	1616.0	1605.8	1609.9	1614.0	1599.7
10°	1770.9	1781.1	1760.7	1746.4	1699.5	1669.0	1616.0	1558.9	1552.8	1528.4	1548.7
12.5°	1868.7	1844.2	1836.1	1789.2	1742.3	1640.4	1526.3	1438.7	1365.3	1338.9	1312.4
15°	1950.2	1946.1	1931.9	1860.5	1752.5	1567.1	1351.1	1147.3	1006.7	919.1	906.8
17.5°	2062.3	2043.9	2017.4	1905.4	1677.1	1375.5	1006.7	749.9	609.3	554.3	533.9
20°	2147.9	2133.6	2096.9	1895.2	1540.6	1025.0	623.6	476.9	442.2	432.0	434.1
22.5°	2272.2	2227.3	2158.1	1844.2	1292.0	682.7	448.3	425.9	419.8	411.6	413.7
25°	2380.2	2339.4	2194.7	1756.6	921.1	452.4	415.7	403.5	393.3	383.1	381.1
27.5°	2476.0	2425.0	2233.5	1577.3	576.7	389.2	385.1	370.9	350.5	334.2	328.1
30°	2569.7	2510.6	2243.6	1241.0	389.2	352.5	342.4	319.9	293.4	271.0	267.0
32.5°	2726.6	2655.3	2229.4	886.5	336.2	313.8	291.4	264.9	226.2	207.9	203.8
35°	2971.1	2863.1	2211.0	521.7	301.6	277.1	242.5	207.9	179.3	161.0	156.9
37.5°	3252.4	3064.9	2158.1	348.5	277.1	244.5	199.7	165.1	140.6	126.3	122.3
40°	3670.1	3360.4	1954.3	285.3	246.6	207.9	161.0	130.4	112.1	101.9	97.8
42.5°	4130.7	3698.7	1640.4	256.8	218.0	177.3	128.4	106.0	91.7	81.5	81.5
45°	4682.9	4051.2	1265.5	234.3	193.6	146.7	106.0	85.6	73.4	65.2	61.1
47.5°	5298.3	4371.1	853.8	211.9	163.0	120.2	87.6	65.2	53.0	46.9	46.9
50°	5848.6	4654.4	544.1	185.4	142.6	99.9	71.3	53.0	42.8	34.6	32.6
52.5°	6347.8	4870.4	375.0	163.0	122.3	81.5	59.1	42.8	32.6	26.5	26.5
55°	6859.3	4980.4	277.1	140.6	106.0	69.3	48.9	38.7	28.5	22.4	20.4
57.5°	7279.1	5027.3	211.9	122.3	89.7	55.0	42.8	32.6	24.5	18.3	16.3
60°	7637.8	5004.9	165.1	101.9	71.3	46.9	36.7	26.5	20.4	14.3	12.2
62.5°	7847.7	4870.4	130.4	87.6	57.1	40.8	30.6	22.4	14.3	10.2	8.2
65°	7851.7	4585.1	101.9	65.2	42.8	34.6	26.5	18.3	10.2	4.1	2.0
67.5°	7289.3	3967.6	81.5	50.9	34.6	26.5	20.4	14.3	4.1	0.0	0.0
70°	5701.8	3001.7	67.2	40.8	28.5	22.4	14.3	8.2	2.0	0.0	0.0
72.5°	3633.4	1797.4	55.0	32.6	24.5	16.3	10.2	6.1	0.0	0.0	0.0
75°	1520.2	554.3	42.8	28.5	18.3	12.2	8.2	2.0	0.0	0.0	0.0
77.5°	391.3	175.3	34.6	24.5	18.3	10.2	6.1	2.0	0.0	0.0	0.0
80°	116.2	65.2	28.5	20.4	14.3	8.2	4.1	2.0	0.0	0.0	0.0
82.5°	53.0	38.7	24.5	18.3	12.2	8.2	4.1	0.0	0.0	0.0	0.0
85°	20.4	12.2	12.2	10.2	10.2	6.1	2.0	0.0	0.0	0.0	0.0
87.5°	8.2	4.1	4.1	4.1	2.0	2.0	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)