

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: P484240

Luminaire Tested: **IFLD-S-SA3A-722-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484240  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

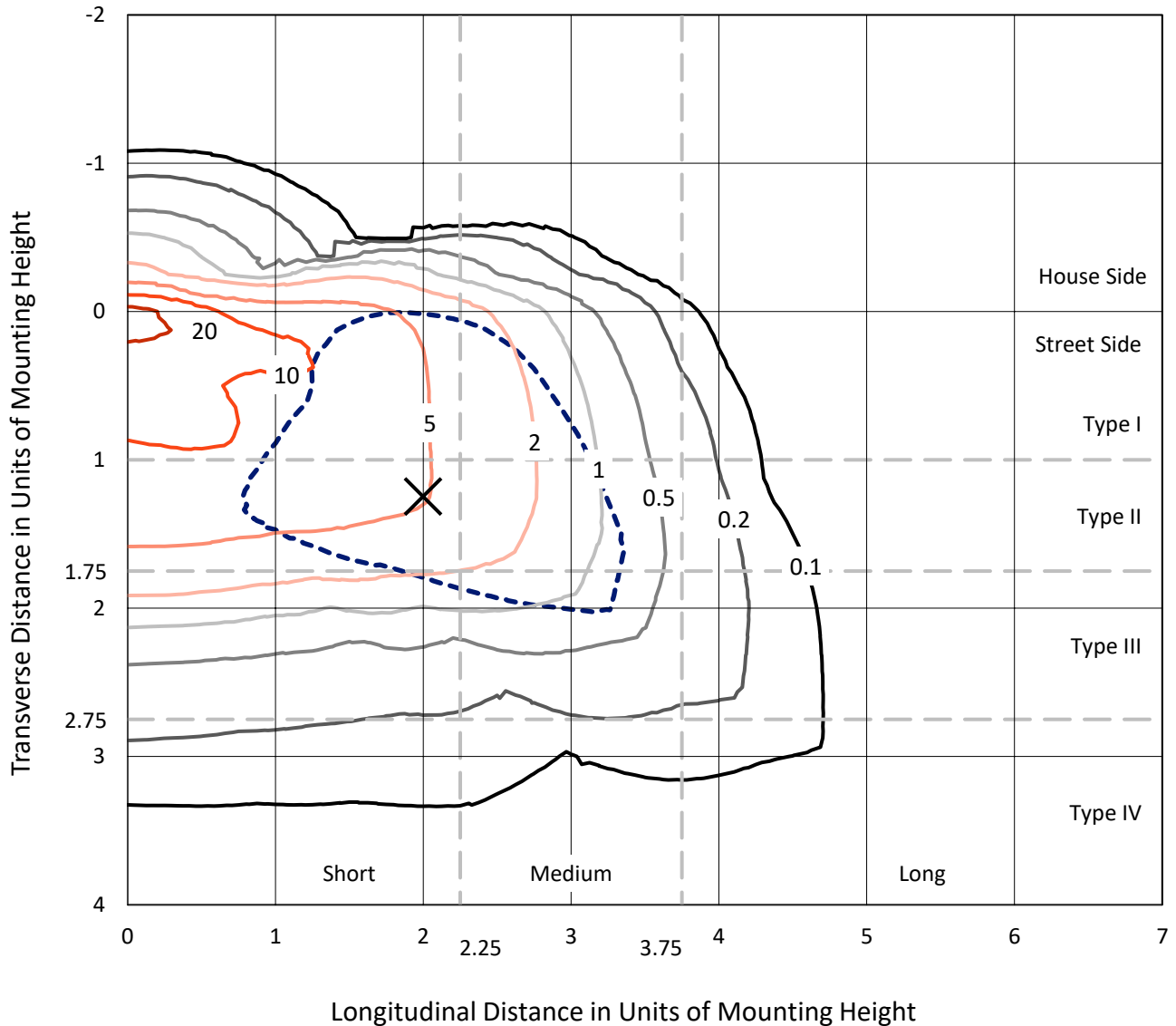
Lumens per Lamp: N/A  
Luminaire Lumens: 8475.5 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8  
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

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### Iso-Footcandle Lines of Horizontal Illumination

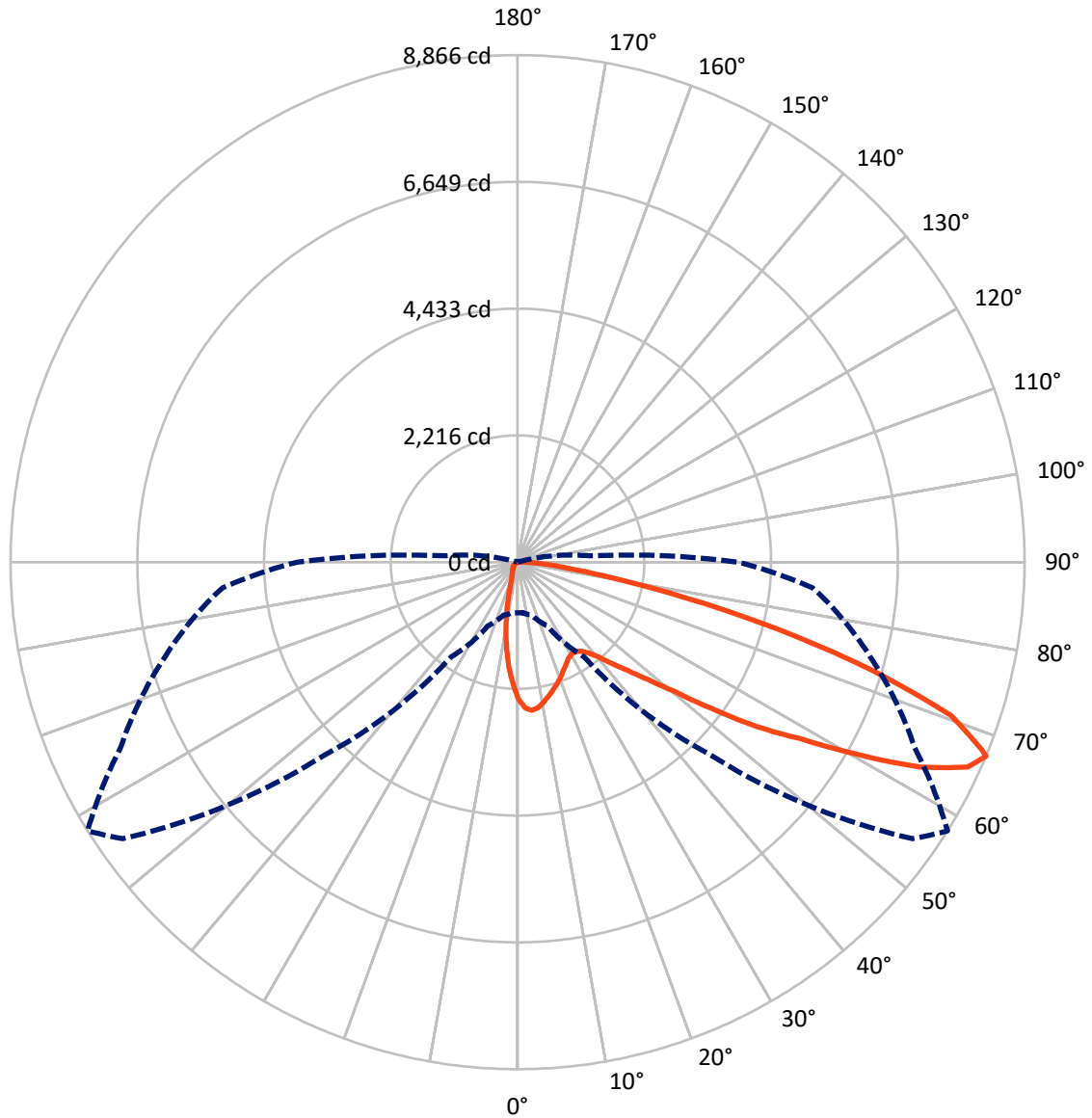
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	700.6	0.0	700.6
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	7774.9	0.0	7774.9
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	8475.5	0.0	8475.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.5	2.2
10°-20°	395.2	4.7
20°-30°	524.3	6.2
30°-40°	726.5	8.6
40°-50°	1185.5	14.0
50°-60°	2083.8	24.6
60°-70°	2307.9	27.2
70°-80°	956.4	11.3
80°-90°	105.3	1.2
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°	8475.5	100.0
0°-180°	8475.5	100.0

**Coefficient of Utilization**



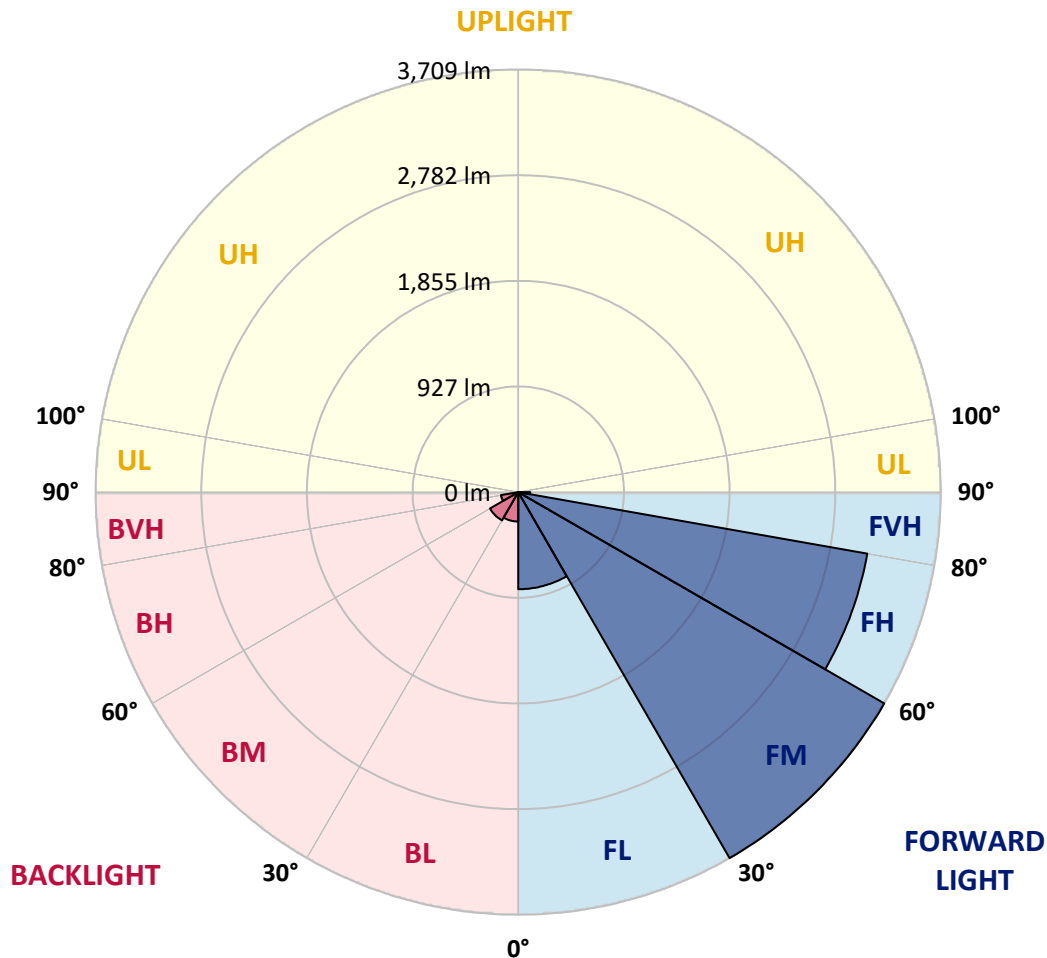
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.0	10.1			
FM (30°-60°)	3709.0	43.8			
FH (60°-80°)	3110.3	36.7			G2/5000
FVH (80°-90°)	103.6	1.2			G2/225
BL (0°-30°)	258.0	3.0	B1/500		
BM (30°-60°)	286.8	3.4	B1/1000		
BH (60°-80°)	154.0	1.8	B1/500		G1/500
BVH (80°-90°)	1.7	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°	58°	65°	75°	85°
0°	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2
2.5°	2612.8	2621.8	2629.6	2615.0	2627.4	2609.4	2563.2	2553.1	2545.2	2476.6	2437.2
5°	2611.6	2601.5	2609.4	2616.1	2599.3	2612.8	2601.5	2602.6	2572.2	2510.4	2400.1
7.5°	2437.2	2432.7	2437.2	2469.9	2507.0	2536.2	2553.1	2570.0	2549.7	2457.5	2350.6
10°	2202.0	2224.6	2236.9	2295.4	2352.8	2406.8	2459.7	2491.2	2485.6	2448.5	2296.6
12.5°	2037.8	2031.0	2076.0	2114.3	2171.7	2280.8	2373.1	2402.3	2436.1	2384.3	2225.7
15°	1885.9	1867.9	1894.9	1961.3	2059.1	2145.8	2275.2	2319.1	2361.8	2375.3	2187.4
17.5°	1740.7	1749.7	1777.8	1837.5	1929.7	2051.3	2172.8	2235.8	2338.2	2320.2	2130.0
20°	1670.9	1690.1	1700.2	1730.6	1794.7	1916.2	2097.4	2148.0	2257.2	2319.1	2073.8
22.5°	1674.3	1674.3	1650.7	1668.7	1727.2	1821.7	1995.0	2051.3	2224.6	2260.6	2023.1
25°	1710.3	1687.8	1689.0	1667.6	1692.3	1744.1	1902.7	1971.4	2158.2	2266.2	1996.1
27.5°	1737.3	1732.8	1726.1	1720.5	1689.0	1696.8	1842.0	1898.2	2132.3	2259.4	1954.5
30°	1835.2	1815.0	1808.2	1795.8	1754.2	1716.0	1793.6	1864.5	2112.0	2275.2	1930.9
32.5°	1917.4	1920.7	1926.4	1890.4	1854.4	1759.8	1807.1	1863.4	2097.4	2311.2	1954.5
35°	2020.9	2035.5	2037.8	2026.5	1988.3	1894.9	1863.4	1911.7	2122.2	2375.3	1956.8
37.5°	2178.4	2162.7	2205.4	2209.9	2182.9	2059.1	1993.9	2013.0	2195.3	2477.7	2042.3
40°	2280.8	2299.9	2379.8	2429.3	2383.2	2270.7	2182.9	2179.5	2301.1	2638.6	2148.0
42.5°	2394.5	2437.2	2525.0	2631.9	2626.3	2521.6	2432.7	2418.1	2489.0	2871.6	2315.7
45°	2549.7	2588.0	2710.6	2871.6	2959.3	2870.4	2736.5	2707.3	2717.4	3188.9	2601.5
47.5°	2807.4	2797.3	2973.9	3132.6	3276.6	3208.0	3150.6	3065.1	3057.2	3562.4	2996.5
50°	3098.8	3096.6	3254.1	3434.2	3600.7	3734.6	3639.0	3545.6	3547.8	4069.9	3461.2
52.5°	3375.7	3419.5	3589.4	3768.4	4054.2	4198.2	4290.5	4253.3	4074.4	4523.4	3958.5
55°	3521.9	3560.2	3729.0	4037.3	4488.5	4858.7	5108.5	5077.0	4731.5	5034.2	4449.1
57.5°	3383.5	3409.4	3637.8	4041.8	4792.3	5618.2	5857.9	5818.5	5411.2	5424.7	5042.1
60°	2804.0	2844.5	3184.4	3658.1	4674.2	6203.3	6889.7	6830.1	6030.0	5918.6	5423.5
62.5°	1942.1	1969.1	2248.2	2837.8	4113.8	6407.0	7864.1	7896.8	6682.7	6303.5	5537.2
65°	1258.0	1255.7	1415.5	1815.0	2915.4	5790.4	8440.3	8642.8	7312.8	6362.0	5502.3
67°	888.9	885.5	960.9	1231.0	2018.6	4770.9	8430.1	8865.6	7654.9	6378.9	5179.4
67.5°	820.3	816.9	888.9	1132.0	1821.7	4436.7	8304.1	8750.8	7775.2	6355.2	5037.6
70°	636.9	627.9	654.9	779.8	1061.1	2869.3	7106.9	8038.6	7525.5	5765.6	4022.7
72.5°	460.2	470.3	513.1	640.2	832.7	1543.8	5416.8	6500.4	6285.5	4345.6	2556.5
75°	320.7	329.7	398.3	522.1	764.0	936.2	3662.6	4714.7	4378.2	2399.0	1089.2
77.5°	167.7	178.9	254.3	417.5	694.3	724.6	2188.5	2989.7	2320.2	854.0	300.4
80°	77.6	83.3	127.1	295.9	580.6	636.9	1276.0	1663.1	928.3	191.3	103.5
82.5°	33.8	37.1	58.5	169.9	411.8	557.0	789.9	872.0	336.4	61.9	64.1
85°	6.8	7.9	22.5	90.0	199.2	337.6	554.7	517.6	168.8	30.4	50.6
87.5°	0.0	0.0	5.6	25.9	54.0	100.1	235.2	235.2	51.8	15.8	19.1
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°	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2	2401.2
2.5°	2402.3	2361.8	2272.9	2190.8	2132.3	2065.9	1978.1	1938.7	1924.1	1903.9	1873.5
5°	2339.3	2289.8	2137.9	1984.9	1817.2	1690.1	1555.0	1476.3	1416.6	1379.5	1367.1
7.5°	2250.4	2149.2	1944.4	1699.1	1481.9	1292.9	1088.1	949.7	860.8	824.8	791.0
10°	2179.5	2047.9	1736.2	1431.3	1142.1	865.3	634.6	513.1	420.8	385.9	381.4
12.5°	2087.3	1929.7	1541.5	1157.8	794.4	515.3	351.1	304.9	279.1	274.6	271.2
15°	2010.8	1822.9	1357.0	896.8	514.2	321.8	273.4	262.2	255.4	253.2	254.3
17.5°	1959.0	1708.1	1168.0	652.6	338.7	263.3	252.0	245.3	241.9	240.8	237.4
20°	1856.6	1611.3	981.2	456.8	264.4	243.0	234.0	228.4	225.0	223.9	222.8
22.5°	1798.1	1488.7	794.4	318.4	235.2	220.5	213.8	209.3	203.7	200.3	199.2
25°	1739.6	1398.6	627.9	247.5	213.8	203.7	193.5	187.9	178.9	174.4	173.3
27.5°	1670.9	1309.8	483.8	214.9	192.4	182.3	172.2	163.2	151.9	147.4	145.2
30°	1631.6	1223.1	364.6	192.4	176.7	163.2	150.8	139.5	127.1	119.3	117.0
32.5°	1611.3	1144.3	273.4	175.5	159.8	145.2	129.4	115.9	104.6	97.9	96.8
35°	1586.6	1067.8	214.9	159.8	144.0	128.3	112.5	99.0	87.8	82.1	79.9
37.5°	1612.4	1022.8	178.9	147.4	131.7	113.6	96.8	83.3	74.3	68.6	67.5
40°	1683.3	985.7	155.3	136.2	119.3	100.1	84.4	70.9	63.0	58.5	56.3
42.5°	1792.5	985.7	140.7	124.9	108.0	87.8	72.0	61.9	54.0	49.5	48.4
45°	1990.5	1016.1	128.3	113.6	94.5	75.4	61.9	51.8	43.9	39.4	38.3
47.5°	2268.4	1085.8	118.1	103.5	84.4	66.4	54.0	43.9	36.0	31.5	30.4
50°	2642.0	1244.5	108.0	91.1	75.4	57.4	45.0	34.9	28.1	23.6	22.5
52.5°	3107.8	1469.5	97.9	84.4	64.1	48.4	36.0	28.1	21.4	18.0	16.9
55°	3600.7	1745.2	85.5	75.4	55.1	40.5	29.3	21.4	15.8	13.5	12.4
57.5°	4096.9	1957.9	75.4	65.3	45.0	32.6	23.6	16.9	11.3	9.0	7.9
60°	4360.2	1978.1	65.3	54.0	36.0	25.9	18.0	12.4	7.9	5.6	4.5
62.5°	4400.7	1798.1	56.3	43.9	29.3	20.3	12.4	9.0	4.5	2.3	2.3
65°	4192.6	1498.8	48.4	34.9	22.5	14.6	9.0	5.6	2.3	1.1	0.0
67°	3855.0	1255.7	41.6	29.3	18.0	11.3	6.8	3.4	1.1	0.0	0.0
67.5°	3724.5	1188.2	39.4	27.0	16.9	10.1	5.6	3.4	1.1	0.0	0.0
70°	2890.7	848.4	29.3	19.1	12.4	7.9	4.5	2.3	0.0	0.0	0.0
72.5°	1771.1	496.2	22.5	13.5	9.0	5.6	3.4	1.1	0.0	0.0	0.0
75°	742.6	171.0	19.1	10.1	6.8	3.4	2.3	1.1	0.0	0.0	0.0
77.5°	193.5	64.1	13.5	6.8	4.5	3.4	2.3	1.1	0.0	0.0	0.0
80°	78.8	29.3	9.0	4.5	4.5	3.4	2.3	1.1	0.0	0.0	0.0
82.5°	51.8	13.5	5.6	4.5	3.4	2.3	1.1	0.0	0.0	0.0	0.0
85°	39.4	7.9	3.4	3.4	2.3	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	4.5	3.4	2.3	2.3	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)