

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: P483095

Luminaire Tested: **IFLD-L-SA7A-722-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483095
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-722-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

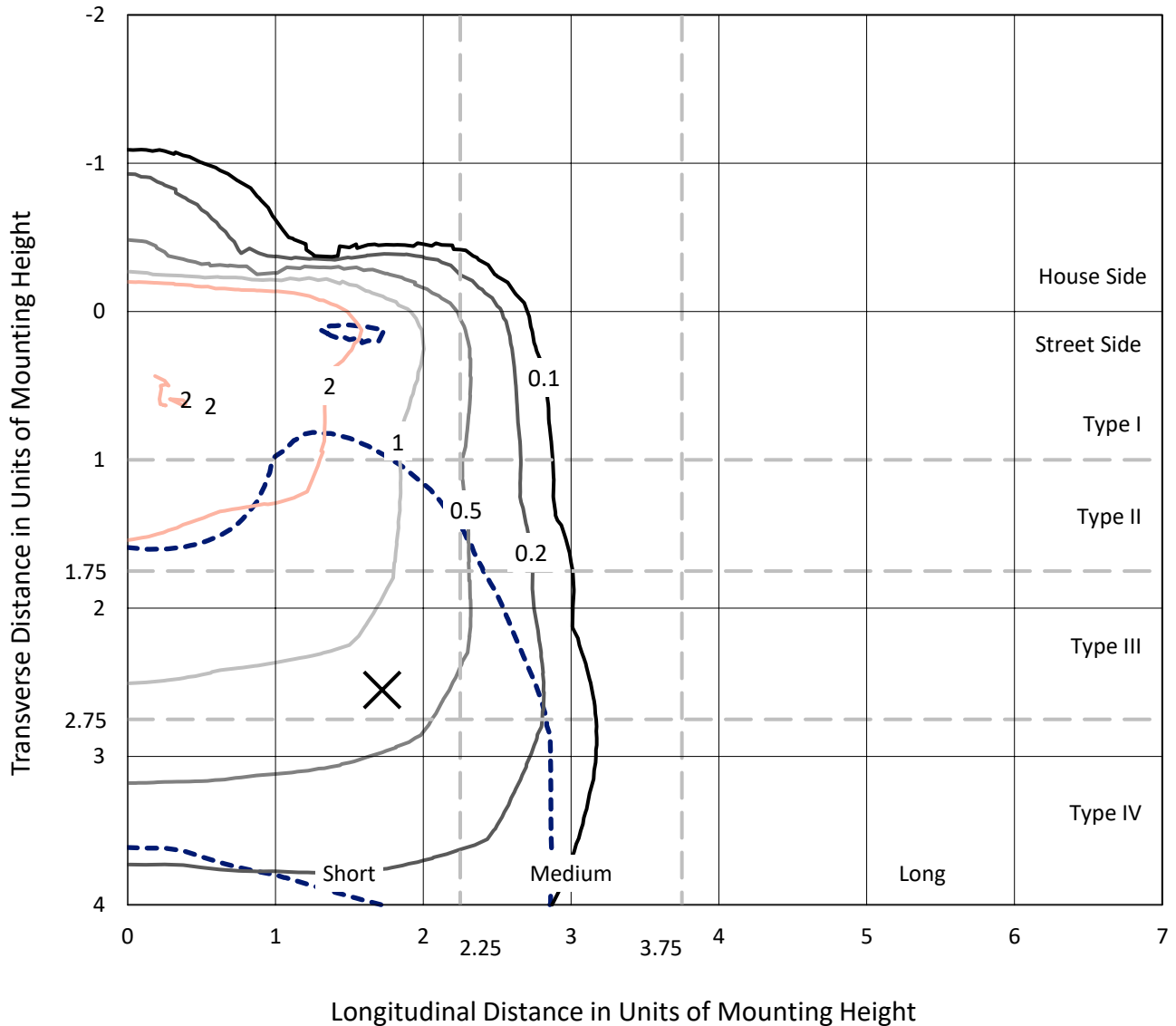
Lumens per Lamp: N/A
Luminaire Lumens: 16671.5 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 217.6
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

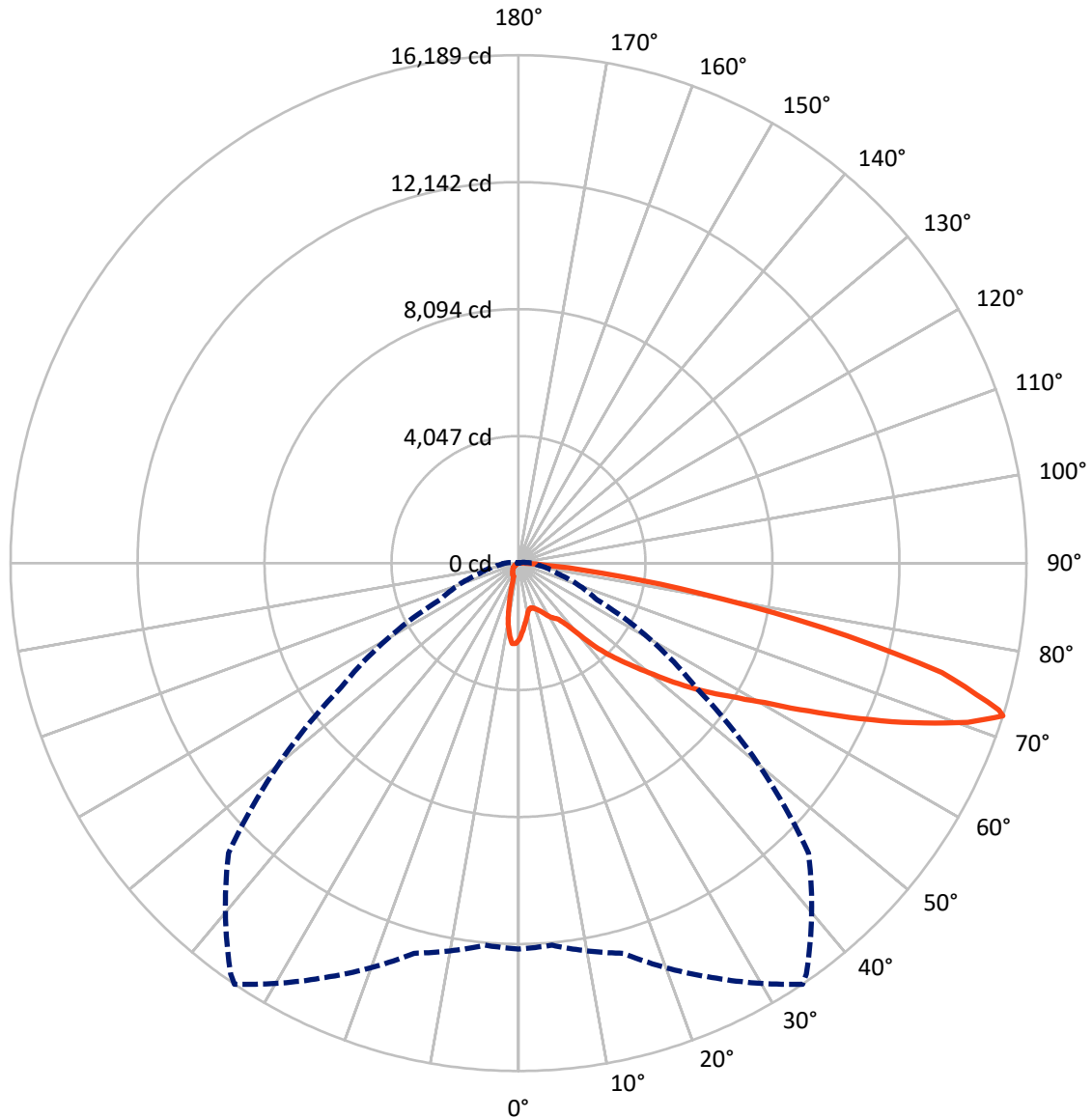
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1706.8	0.0	1706.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	14964.7	0.0	14964.7
	% Fixture	89.8	0.0	89.8
Total	Lumens	16671.5	0.0	16671.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.7	1.3
10°-20°	479.4	2.9
20°-30°	723.5	4.3
30°-40°	1174.2	7.0
40°-50°	2207.9	13.2
50°-60°	3610.0	21.7
60°-70°	4799.0	28.8
70°-80°	3213.9	19.3
80°-90°	251.9	1.5
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°	16671.5	100.0
0°-180°	16671.5	100.0

Coefficient of Utilization

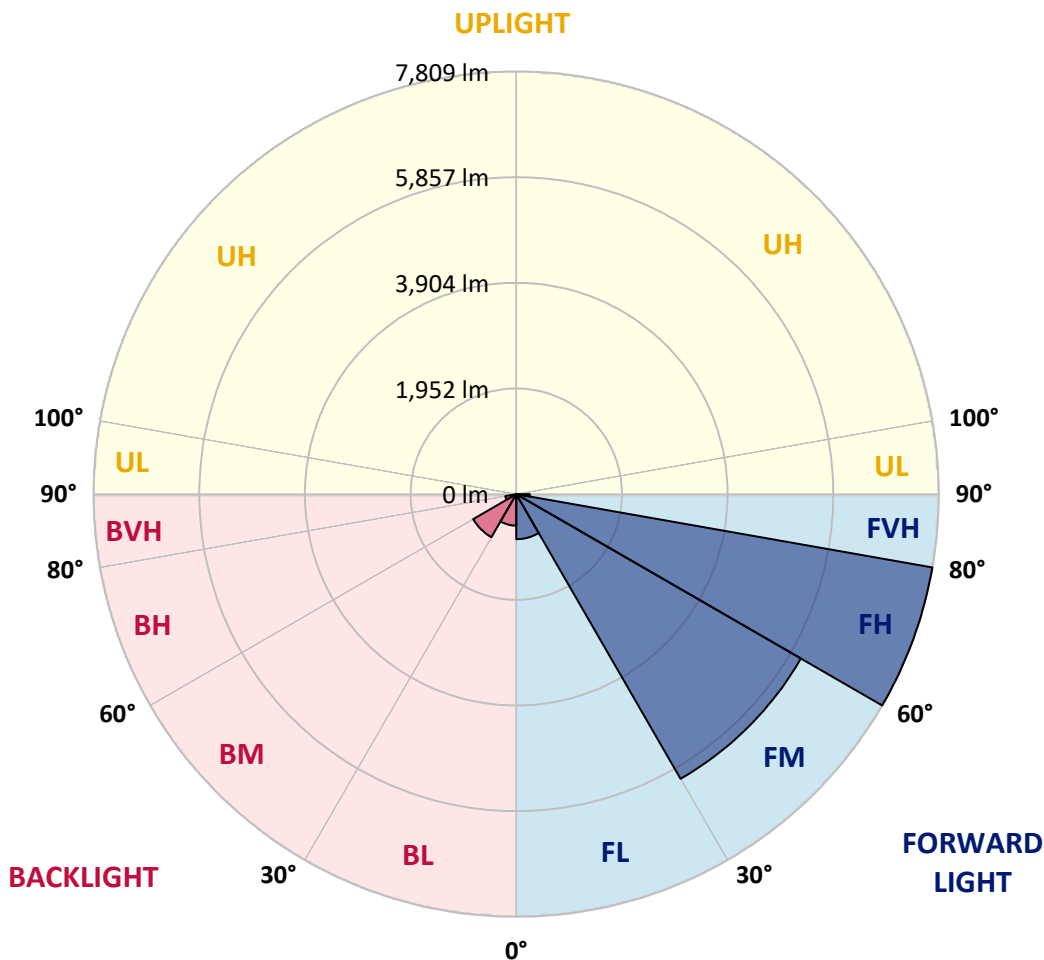


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	832.3	5.0			
FM (30°-60°)	6073.4	36.4			
FH (60°-80°)	7808.8	46.8			G4/12000
FVH (80°-90°)	250.3	1.5			G3/500
BL (0°-30°)	582.3	3.5	B2/1000		
BM (30°-60°)	918.7	5.5	B1/1000		
BH (60°-80°)	204.1	1.2	B1/500		G1/500
BVH (80°-90°)	1.6	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1
2.5°	2157.1	2152.2	2166.7	2190.8	2214.9	2205.3	2251.1	2299.3	2333.0	2378.8	2434.2
5°	1884.7	1896.8	1911.2	1959.4	1990.8	1998.0	2082.4	2145.0	2248.7	2354.7	2453.5
7.5°	1636.5	1650.9	1679.9	1732.9	1798.0	1814.8	1899.2	2024.5	2159.5	2299.3	2460.7
10°	1455.7	1470.2	1501.5	1535.3	1622.0	1622.0	1737.7	1911.2	2087.2	2251.1	2463.2
12.5°	1417.2	1424.4	1422.0	1448.5	1503.9	1516.0	1629.2	1819.6	2024.5	2234.2	2501.7
15°	1462.9	1467.8	1443.7	1429.2	1477.4	1489.5	1595.5	1764.2	1983.5	2243.8	2564.4
17.5°	1554.5	1537.7	1489.5	1467.8	1508.7	1516.0	1614.8	1761.8	1978.7	2270.3	2636.7
20°	1607.6	1626.8	1542.5	1501.5	1559.4	1569.0	1675.0	1800.4	2002.8	2316.1	2737.9
22.5°	1701.6	1711.2	1597.9	1571.4	1626.8	1626.8	1747.3	1877.5	2060.7	2390.8	2858.4
25°	1834.1	1822.1	1689.5	1663.0	1716.0	1737.7	1858.2	2000.4	2149.8	2460.7	2969.3
27.5°	1937.7	1945.0	1836.5	1766.6	1855.8	1870.3	2000.4	2133.0	2217.3	2518.6	3104.2
30°	2092.0	2077.5	1961.8	1882.3	1993.2	1995.6	2120.9	2258.3	2347.5	2622.2	3306.7
32.5°	2275.2	2246.2	2113.7	2000.4	2089.6	2111.3	2239.0	2439.1	2549.9	2817.4	3620.0
35°	2663.2	2593.3	2376.4	2200.4	2207.7	2217.3	2414.9	2701.8	2829.5	3065.7	4039.4
37.5°	3229.6	3200.7	2954.8	2619.8	2492.1	2463.2	2684.9	3048.8	3207.9	3393.5	4584.1
40°	3791.1	3750.2	3521.2	3268.1	3036.8	2978.9	3089.8	3509.1	3653.8	3849.0	5143.2
42.5°	4415.4	4343.1	4073.1	3868.3	3723.7	3661.0	3617.6	4087.6	4251.5	4384.0	5690.3
45°	5046.8	4928.7	4538.3	4381.6	4304.5	4270.7	4265.9	4815.4	4914.3	4940.8	6297.7
47.5°	5601.1	5473.4	5119.1	4943.2	4885.3	4875.7	5145.6	5654.2	5577.0	5507.1	6974.9
50°	6027.7	5945.8	5690.3	5627.7	5584.3	5567.4	6198.9	6517.0	6160.3	6037.4	7570.2
52.5°	6688.1	6504.9	6215.7	6237.4	6389.3	6391.7	7266.5	7336.4	6644.7	6401.3	8131.8
55°	7215.9	7095.4	6859.2	6827.9	7228.0	7271.4	8223.4	7958.2	6914.7	6748.4	8339.0
57.5°	7837.7	7782.3	7611.2	7616.0	8035.4	8127.0	9074.1	8483.7	7138.8	6972.5	8370.4
60°	8736.7	8577.7	8488.5	8529.4	9023.5	9112.7	9898.4	8862.0	7247.3	7119.5	8293.3
62.5°	9729.7	9544.1	9447.7	9657.4	10378.0	10392.5	10525.0	9197.1	7179.8	7158.1	7796.8
65°	10925.1	10741.9	10664.8	11086.6	11942.2	11889.2	11404.7	9339.3	6965.3	6770.1	6492.9
67.5°	12115.7	12004.9	11845.8	12518.2	13583.5	13583.5	12318.2	9286.2	6403.7	5434.8	4246.6
70°	12679.7	12756.8	13009.9	14065.5	15195.9	15080.2	13219.6	8676.5	4767.2	2918.7	1670.2
72°	12303.7	12224.2	12877.3	14571.6	16188.8	15998.4	13067.7	6897.8	2754.8	1279.8	580.8
72.5°	11657.8	11732.5	12631.5	14501.7	16003.3	16159.9	12696.6	6362.7	2265.5	1019.5	438.6
75°	7148.4	7276.2	9428.4	12313.4	13945.0	13769.1	9821.3	3031.9	870.1	433.8	156.7
77.5°	2610.2	2716.2	4574.4	7748.6	9917.7	9806.8	5683.1	1077.3	472.4	323.0	79.5
80°	679.7	735.1	1554.5	3574.2	5832.5	5839.7	2378.8	431.4	320.5	265.1	48.2
82.5°	135.0	149.4	477.2	1390.6	2725.9	2689.7	752.0	231.4	241.0	216.9	33.7
85°	16.9	21.7	101.2	472.4	882.1	790.5	185.6	115.7	178.3	168.7	21.7
87.5°	2.4	2.4	24.1	108.5	185.6	180.8	38.6	36.2	79.5	103.6	12.1
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°	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1	2439.1
2.5°	2465.6	2475.2	2508.9	2537.9	2571.6	2581.2	2566.8	2590.9	2557.1	2576.4	2581.2
5°	2470.4	2525.8	2588.5	2629.5	2619.8	2595.7	2576.4	2511.4	2465.6	2448.7	2484.8
7.5°	2504.1	2566.8	2634.3	2634.3	2581.2	2455.9	2335.4	2219.7	2123.3	2075.1	2116.1
10°	2547.5	2612.6	2682.5	2590.9	2393.3	2164.3	1993.2	1776.3	1629.2	1552.1	1559.4
12.5°	2605.4	2696.9	2721.0	2508.9	2181.2	1841.3	1530.4	1229.2	1089.4	978.5	980.9
15°	2680.1	2769.2	2696.9	2330.6	1911.2	1409.9	1036.4	749.6	638.7	580.8	580.8
17.5°	2778.9	2846.4	2689.7	2166.7	1547.3	964.1	636.3	506.1	482.0	472.4	472.4
20°	2894.6	2945.2	2619.8	1911.2	1149.6	619.4	467.6	453.1	455.5	450.7	450.7
22.5°	3024.7	3041.6	2540.3	1614.8	778.5	457.9	436.2	438.6	441.1	436.2	438.6
25°	3162.1	3116.3	2424.6	1267.7	518.2	417.0	421.8	426.6	429.0	431.4	431.4
27.5°	3316.3	3224.8	2263.1	927.9	404.9	392.9	407.3	421.8	424.2	424.2	421.8
30°	3542.9	3391.1	2106.5	629.0	356.7	366.3	390.4	407.3	419.4	419.4	417.0
32.5°	3829.7	3564.6	1887.1	429.0	330.2	335.0	354.3	388.0	414.5	417.0	409.7
35°	4227.4	3774.3	1658.2	342.2	310.9	313.3	325.4	351.9	397.7	412.1	409.7
37.5°	4646.7	4012.9	1373.8	308.5	296.4	294.0	301.3	323.0	363.9	400.1	402.5
40°	5092.6	4263.5	1074.9	291.6	284.4	279.6	282.0	291.6	323.0	368.7	378.4
42.5°	5512.0	4490.1	807.4	274.8	272.3	267.5	267.5	269.9	286.8	318.1	323.0
45°	5965.1	4675.7	614.6	262.7	255.5	257.9	248.2	243.4	255.5	257.9	255.5
47.5°	6389.3	4861.2	491.7	248.2	241.0	241.0	229.0	219.3	219.3	197.6	195.2
50°	6786.9	4962.5	392.9	229.0	226.6	224.1	207.3	190.4	175.9	149.4	144.6
52.5°	7117.1	4957.6	303.7	204.9	212.1	204.9	178.3	154.2	132.6	108.5	103.6
55°	7215.9	4726.3	229.0	168.7	180.8	171.1	142.2	120.5	96.4	77.1	74.7
57.5°	7131.6	4374.4	173.5	130.1	139.8	130.1	108.5	89.2	67.5	53.0	48.2
60°	6849.6	3962.3	135.0	101.2	106.0	98.8	81.9	67.5	48.2	33.7	28.9
62.5°	6314.5	3446.5	103.6	79.5	77.1	77.1	62.7	50.6	33.7	19.3	16.9
65°	5181.8	2687.3	79.5	55.4	55.4	55.4	48.2	36.2	21.7	9.6	4.8
67.5°	3253.7	1564.2	65.1	43.4	41.0	41.0	33.7	24.1	12.1	2.4	0.0
70°	1224.3	573.6	50.6	33.7	31.3	31.3	24.1	14.5	7.2	0.0	0.0
72°	421.8	219.3	41.0	24.1	24.1	21.7	16.9	12.1	4.8	0.0	0.0
72.5°	347.1	175.9	38.6	24.1	21.7	21.7	16.9	12.1	4.8	0.0	0.0
75°	125.3	72.3	26.5	16.9	14.5	14.5	12.1	7.2	2.4	0.0	0.0
77.5°	62.7	45.8	21.7	14.5	12.1	7.2	7.2	4.8	2.4	0.0	0.0
80°	38.6	28.9	12.1	9.6	7.2	4.8	2.4	2.4	0.0	0.0	0.0
82.5°	26.5	16.9	7.2	7.2	4.8	2.4	0.0	0.0	0.0	0.0	0.0
85°	16.9	7.2	4.8	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	4.8	2.4	0.0	0.0	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)