

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: P483096

Luminaire Tested: **IFLD-L-SA7B-722-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483096
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-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

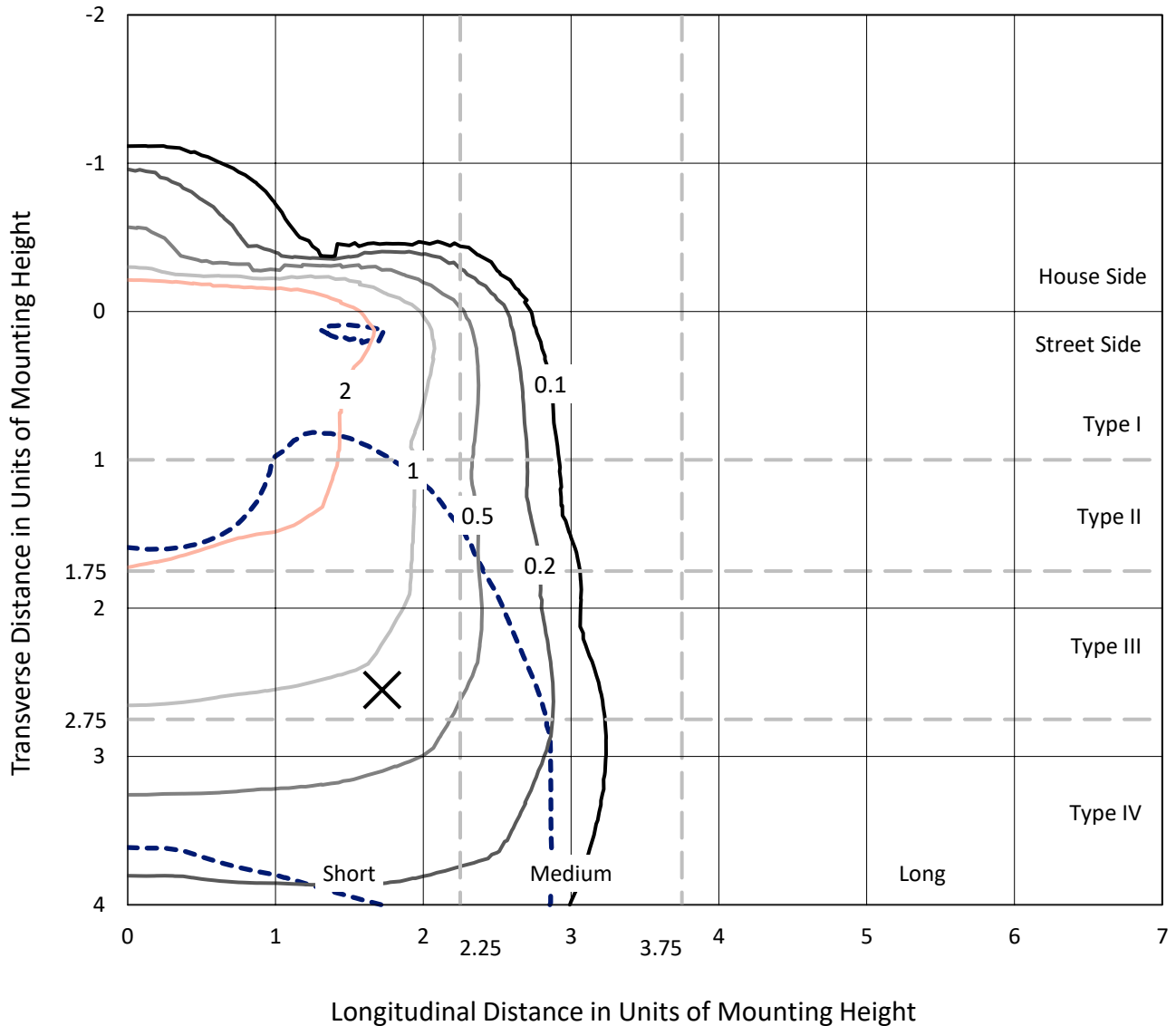
Lumens per Lamp: N/A
Luminaire Lumens: 18967.9 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 281
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

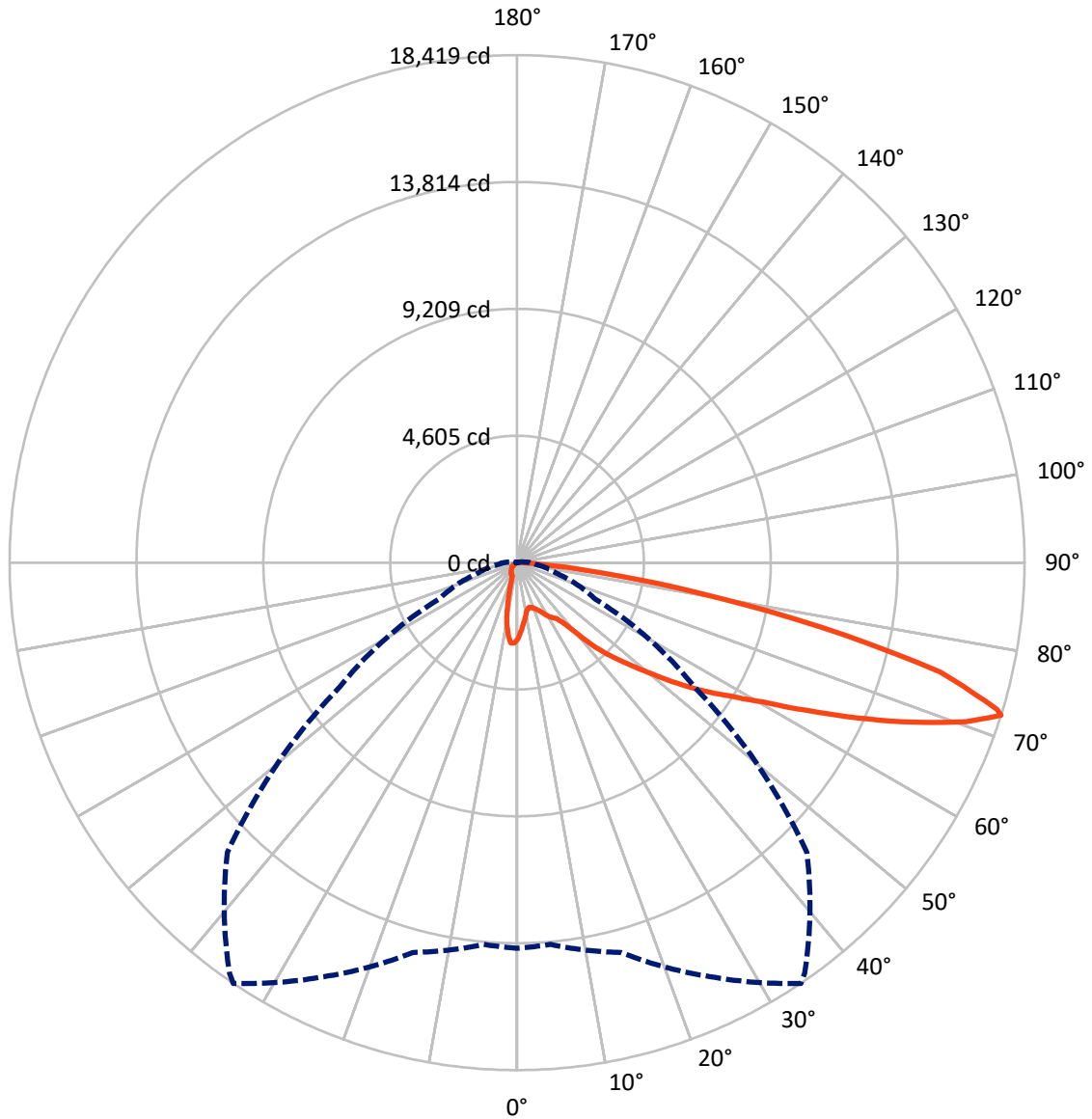
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	1941.9	0.0	1941.9
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	17026.1	0.0	17026.1
	% Fixture	89.8	0.0	89.8
Total	Lumens	18967.9	0.0	18967.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.9	1.3
10°-20°	545.4	2.9
20°-30°	823.2	4.3
30°-40°	1335.9	7.0
40°-50°	2512.1	13.2
50°-60°	4107.3	21.7
60°-70°	5460.1	28.8
70°-80°	3656.6	19.3
80°-90°	286.5	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°	18967.9	100.0
0°-180°	18967.9	100.0

Coefficient of Utilization



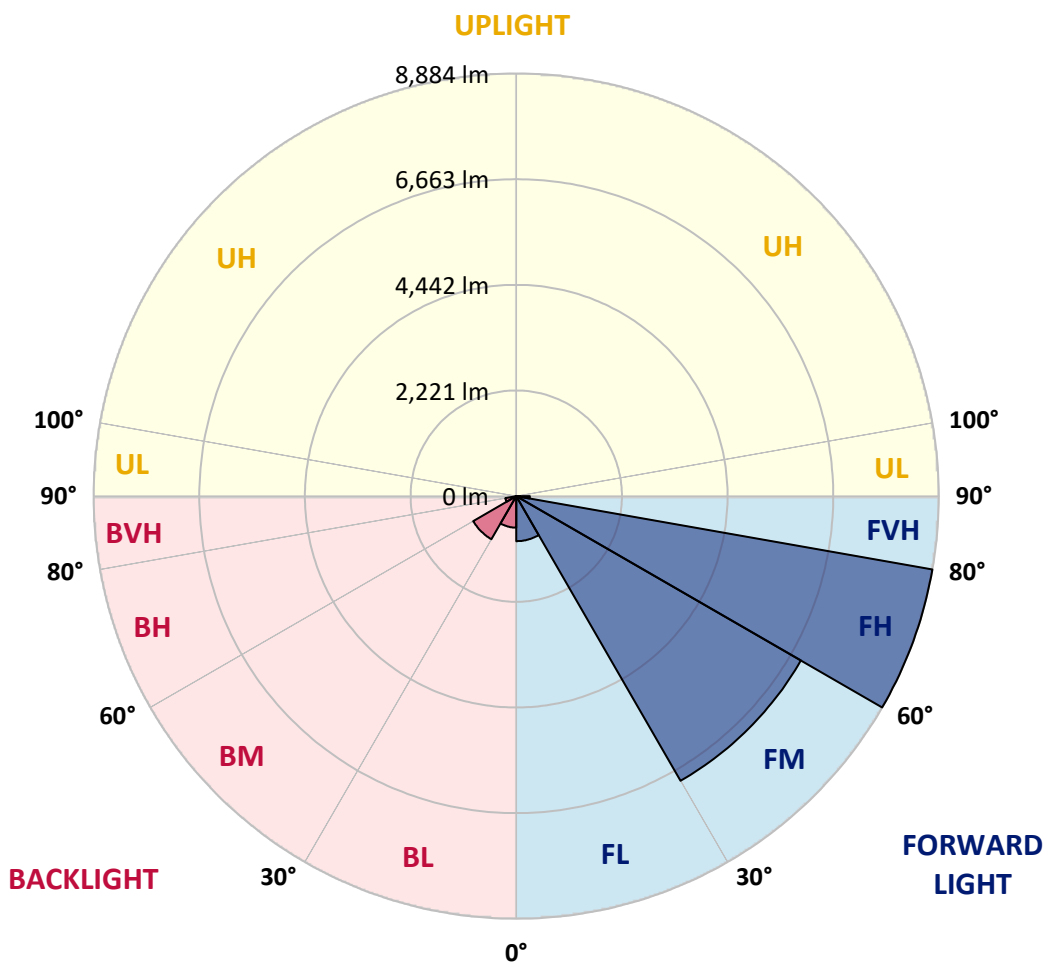
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.9	5.0			
FM (30°-60°)	6910.0	36.4			
FH (60°-80°)	8884.4	46.8			G4/12000
FVH (80°-90°)	284.7	1.5			G3/500
BL (0°-30°)	662.6	3.5	B2/1000		
BM (30°-60°)	1045.3	5.5	B2/2500		
BH (60°-80°)	232.2	1.2	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: 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°	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0
2.5°	2454.2	2448.7	2465.2	2492.6	2520.0	2509.0	2561.1	2616.0	2654.4	2706.5	2769.5
5°	2144.3	2158.0	2174.5	2229.3	2265.0	2273.2	2369.2	2440.5	2558.4	2679.0	2791.5
7.5°	1861.9	1878.4	1911.3	1971.6	2045.6	2064.8	2160.8	2303.4	2456.9	2616.0	2799.7
10°	1656.2	1672.7	1708.3	1746.7	1845.4	1845.4	1977.1	2174.5	2374.7	2561.1	2802.4
12.5°	1612.4	1620.6	1617.8	1648.0	1711.1	1724.8	1853.7	2070.3	2303.4	2541.9	2846.3
15°	1664.5	1669.9	1642.5	1626.1	1680.9	1694.6	1815.3	2007.2	2256.8	2552.9	2917.6
17.5°	1768.7	1749.5	1694.6	1669.9	1716.6	1724.8	1837.2	2004.5	2251.3	2583.1	2999.9
20°	1829.0	1850.9	1755.0	1708.3	1774.2	1785.1	1905.8	2048.4	2278.7	2635.2	3115.0
22.5°	1935.9	1946.9	1818.0	1787.9	1850.9	1850.9	1988.0	2136.1	2344.5	2720.2	3252.2
25°	2086.8	2073.0	1922.2	1892.1	1952.4	1977.1	2114.2	2276.0	2446.0	2799.7	3378.3
27.5°	2204.7	2212.9	2089.5	2010.0	2111.4	2127.9	2276.0	2426.8	2522.7	2865.5	3531.8
30°	2380.2	2363.7	2232.1	2141.6	2267.7	2270.5	2413.1	2569.4	2670.8	2983.4	3762.2
32.5°	2588.6	2555.7	2404.8	2276.0	2377.4	2402.1	2547.4	2775.0	2901.2	3205.5	4118.7
35°	3030.0	2950.5	2703.7	2503.6	2511.8	2522.7	2747.6	3073.9	3219.2	3488.0	4595.8
37.5°	3674.4	3641.5	3361.8	2980.7	2835.3	2802.4	3054.7	3468.8	3649.8	3860.9	5215.5
40°	4313.4	4266.7	4006.2	3718.3	3455.1	3389.3	3515.4	3992.5	4157.1	4379.2	5851.7
42.5°	5023.6	4941.3	4634.2	4401.1	4236.6	4165.3	4115.9	4650.6	4837.1	4987.9	6474.1
45°	5742.0	5607.6	5163.4	4985.2	4897.4	4859.0	4853.5	5478.8	5591.2	5621.3	7165.2
47.5°	6372.7	6227.3	5824.3	5624.1	5558.3	5547.3	5854.4	6433.0	6345.3	6265.7	7935.7
50°	6858.0	6764.8	6474.1	6402.8	6353.5	6334.3	7052.7	7414.7	7008.9	6869.0	8613.0
52.5°	7609.4	7401.0	7071.9	7096.6	7269.4	7272.1	8267.5	8347.0	7560.0	7283.1	9251.9
55°	8209.9	8072.8	7804.1	7768.4	8223.6	8273.0	9356.1	9054.5	7867.1	7677.9	9487.7
57.5°	8917.4	8854.3	8659.6	8665.1	9142.2	9246.4	10324.1	9652.3	8122.2	7932.9	9523.4
60°	9940.2	9759.2	9657.7	9704.4	10266.5	10367.9	11261.9	10082.8	8245.5	8100.2	9435.6
62.5°	11069.9	10858.8	10749.1	10987.7	11807.6	11824.0	11974.8	10463.9	8168.8	8144.1	8870.8
65°	12430.0	12221.6	12133.9	12613.7	13587.2	13526.9	12975.7	10625.7	7924.7	7702.6	7387.3
67.5°	13784.6	13658.5	13477.5	14242.6	15454.6	15454.6	14015.0	10565.4	7285.8	6183.5	4831.6
70°	14426.3	14514.0	14802.0	16003.0	17289.1	17157.4	15040.5	9871.6	5423.9	3320.7	1900.3
72°	13998.5	13908.0	14651.1	16578.8	18418.8	18202.2	14867.8	7847.9	3134.2	1456.1	660.9
72.5°	13263.6	13348.6	14371.4	16499.3	18207.7	18385.9	14445.5	7239.2	2577.6	1159.9	499.1
75°	8133.1	8278.5	10727.2	14009.5	15865.9	15665.7	11174.1	3449.6	989.9	493.6	178.2
77.5°	2969.7	3090.4	5204.5	8815.9	11283.8	11157.7	6465.9	1225.7	537.5	367.4	90.5
80°	773.3	836.3	1768.7	4066.6	6635.9	6644.2	2706.5	490.8	364.7	301.6	54.8
82.5°	153.6	170.0	542.9	1582.2	3101.3	3060.2	855.5	263.2	274.2	246.8	38.4
85°	19.2	24.7	115.2	537.5	1003.6	899.4	211.1	131.6	202.9	191.9	24.7
87.5°	2.7	2.7	27.4	123.4	211.1	205.7	43.9	41.1	90.5	117.9	13.7
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°	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0	2775.0
2.5°	2805.2	2816.2	2854.5	2887.5	2925.8	2936.8	2920.4	2947.8	2909.4	2931.3	2936.8
5°	2810.7	2873.7	2945.0	2991.7	2980.7	2953.3	2931.3	2857.3	2805.2	2786.0	2827.1
7.5°	2849.1	2920.4	2997.1	2997.1	2936.8	2794.2	2657.1	2525.5	2415.8	2361.0	2407.6
10°	2898.4	2972.5	3052.0	2947.8	2722.9	2462.4	2267.7	2020.9	1853.7	1765.9	1774.2
12.5°	2964.2	3068.4	3095.9	2854.5	2481.6	2095.0	1741.2	1398.5	1239.4	1113.3	1116.0
15°	3049.2	3150.7	3068.4	2651.6	2174.5	1604.1	1179.1	852.8	726.7	660.9	660.9
17.5°	3161.7	3238.4	3060.2	2465.2	1760.4	1096.8	723.9	575.8	548.4	537.5	537.5
20°	3293.3	3350.9	2980.7	2174.5	1308.0	704.7	532.0	515.5	518.3	512.8	512.8
22.5°	3441.4	3460.6	2890.2	1837.2	885.7	521.0	496.3	499.1	501.8	496.3	499.1
25°	3597.7	3545.6	2758.6	1442.4	589.6	474.4	479.9	485.4	488.1	490.8	490.8
27.5°	3773.2	3669.0	2574.8	1055.7	460.7	447.0	463.4	479.9	482.6	482.6	479.9
30°	4030.9	3858.2	2396.6	715.7	405.8	416.8	444.2	463.4	477.1	477.1	474.4
32.5°	4357.2	4055.6	2147.1	488.1	375.7	381.2	403.1	441.5	471.6	474.4	466.2
35°	4809.7	4294.2	1886.6	389.4	353.7	356.5	370.2	400.3	452.4	468.9	466.2
37.5°	5286.8	4565.6	1563.0	351.0	337.3	334.5	342.8	367.4	414.1	455.2	457.9
40°	5794.1	4850.8	1223.0	331.8	323.6	318.1	320.8	331.8	367.4	419.5	430.5
42.5°	6271.2	5108.6	918.6	312.6	309.9	304.4	304.4	307.1	326.3	362.0	367.4
45°	6786.7	5319.7	699.2	298.9	290.7	293.4	282.4	277.0	290.7	293.4	290.7
47.5°	7269.4	5530.9	559.4	282.4	274.2	274.2	260.5	249.5	249.5	224.9	222.1
50°	7721.8	5646.0	447.0	260.5	257.8	255.0	235.8	216.6	200.2	170.0	164.5
52.5°	8097.5	5640.5	345.5	233.1	241.3	233.1	202.9	175.5	150.8	123.4	117.9
55°	8209.9	5377.3	260.5	191.9	205.7	194.7	161.8	137.1	109.7	87.7	85.0
57.5°	8113.9	4976.9	197.4	148.1	159.0	148.1	123.4	101.5	76.8	60.3	54.8
60°	7793.1	4508.0	153.6	115.2	120.7	112.4	93.2	76.8	54.8	38.4	32.9
62.5°	7184.3	3921.2	117.9	90.5	87.7	87.7	71.3	57.6	38.4	21.9	19.2
65°	5895.6	3057.5	90.5	63.1	63.1	63.1	54.8	41.1	24.7	11.0	5.5
67.5°	3701.9	1779.6	74.0	49.4	46.6	46.6	38.4	27.4	13.7	2.7	0.0
70°	1393.0	652.6	57.6	38.4	35.6	35.6	27.4	16.5	8.2	0.0	0.0
72°	479.9	249.5	46.6	27.4	27.4	24.7	19.2	13.7	5.5	0.0	0.0
72.5°	394.9	200.2	43.9	27.4	24.7	24.7	19.2	13.7	5.5	0.0	0.0
75°	142.6	82.3	30.2	19.2	16.5	16.5	13.7	8.2	2.7	0.0	0.0
77.5°	71.3	52.1	24.7	16.5	13.7	8.2	8.2	5.5	2.7	0.0	0.0
80°	43.9	32.9	13.7	11.0	8.2	5.5	2.7	2.7	0.0	0.0	0.0
82.5°	30.2	19.2	8.2	8.2	5.5	2.7	0.0	0.0	0.0	0.0	0.0
85°	19.2	8.2	5.5	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	5.5	2.7	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)