

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: P480902

Luminaire Tested: **IFLD-S-SA6B-740-U-SL4**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480902
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-SL4
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

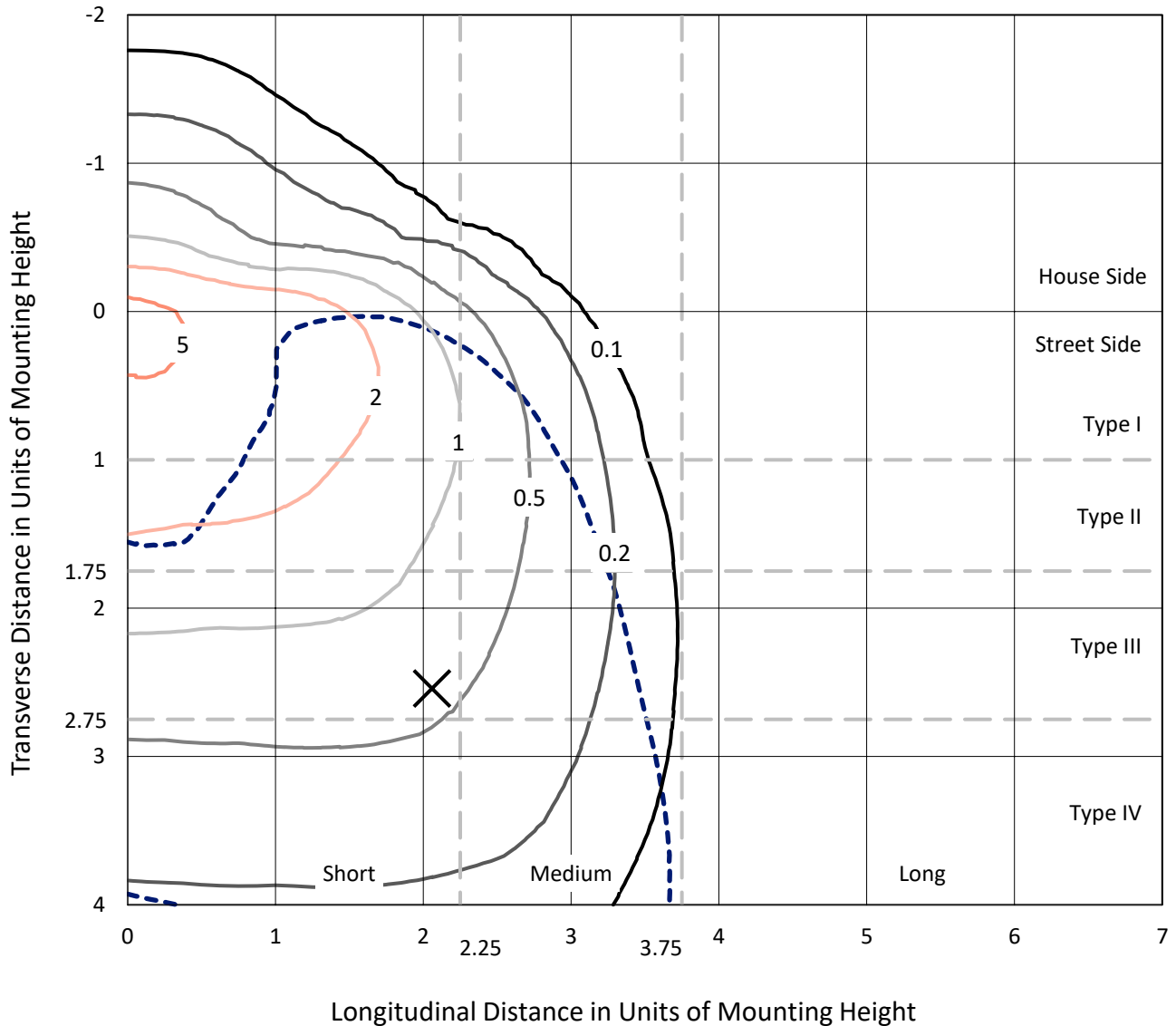
Lumens per Lamp: N/A
Luminaire Lumens: 32287.5 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 244.9
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

REPORT NUMBER: P480902
 CATALOG NUMBER: IFLD-S-SA6B-740-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

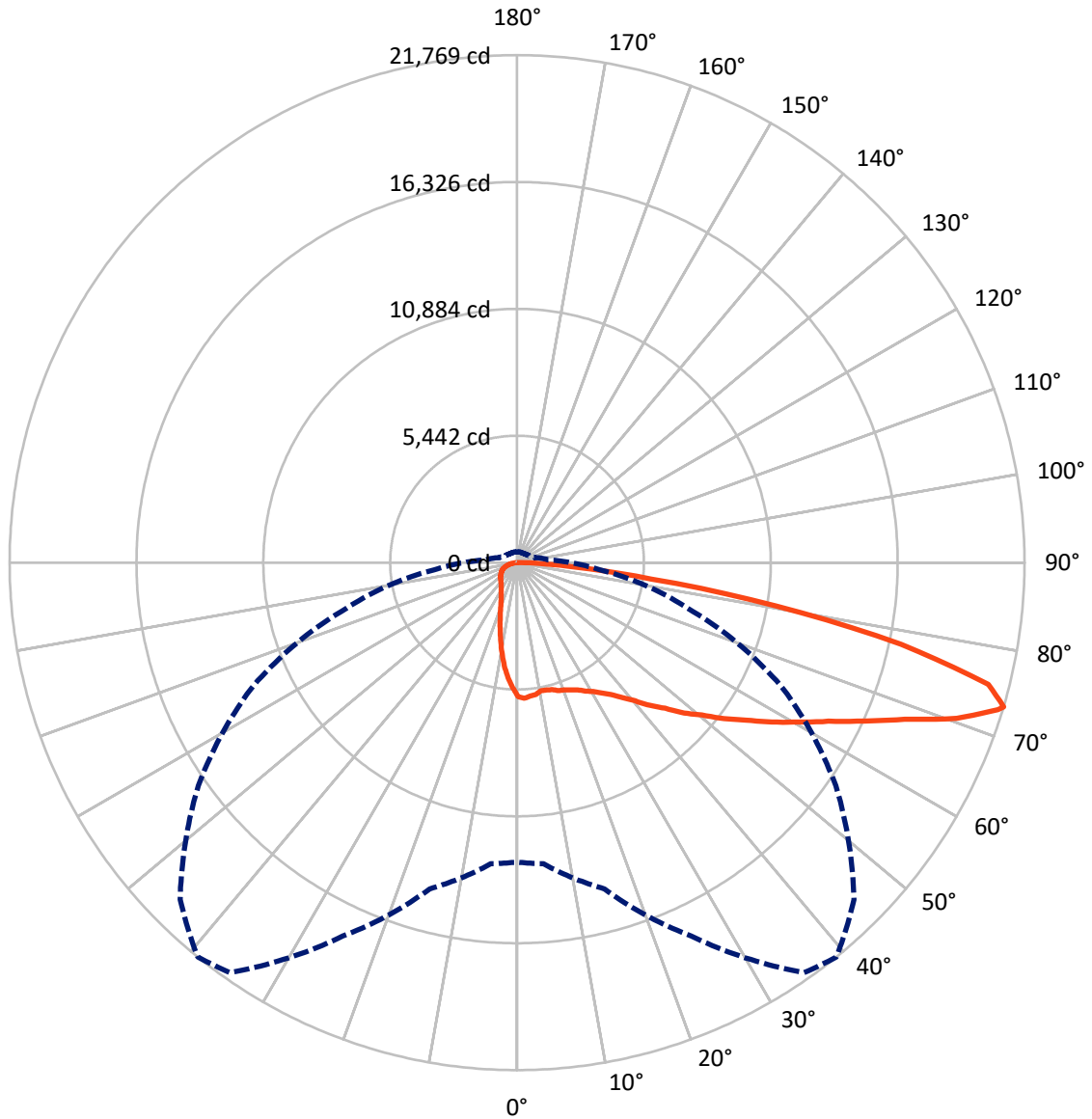
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P480902
CATALOG NUMBER: IFLD-S-SA6B-740-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P480902
 CATALOG NUMBER: IFLD-S-SA6B-740-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4538.7	0.0	4538.7
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	27748.8	0.0	27748.8
	% Fixture	85.9	0.0	85.9
Total	Lumens	32287.5	0.0	32287.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.9	1.5
10°-20°	1268.3	3.9
20°-30°	1938.1	6.0
30°-40°	2825.9	8.8
40°-50°	4270.2	13.2
50°-60°	6183.4	19.2
60°-70°	7856.3	24.3
70°-80°	6368.8	19.7
80°-90°	1077.6	3.3
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°	32287.5	100.0
0°-180°	32287.5	100.0

Coefficient of Utilization

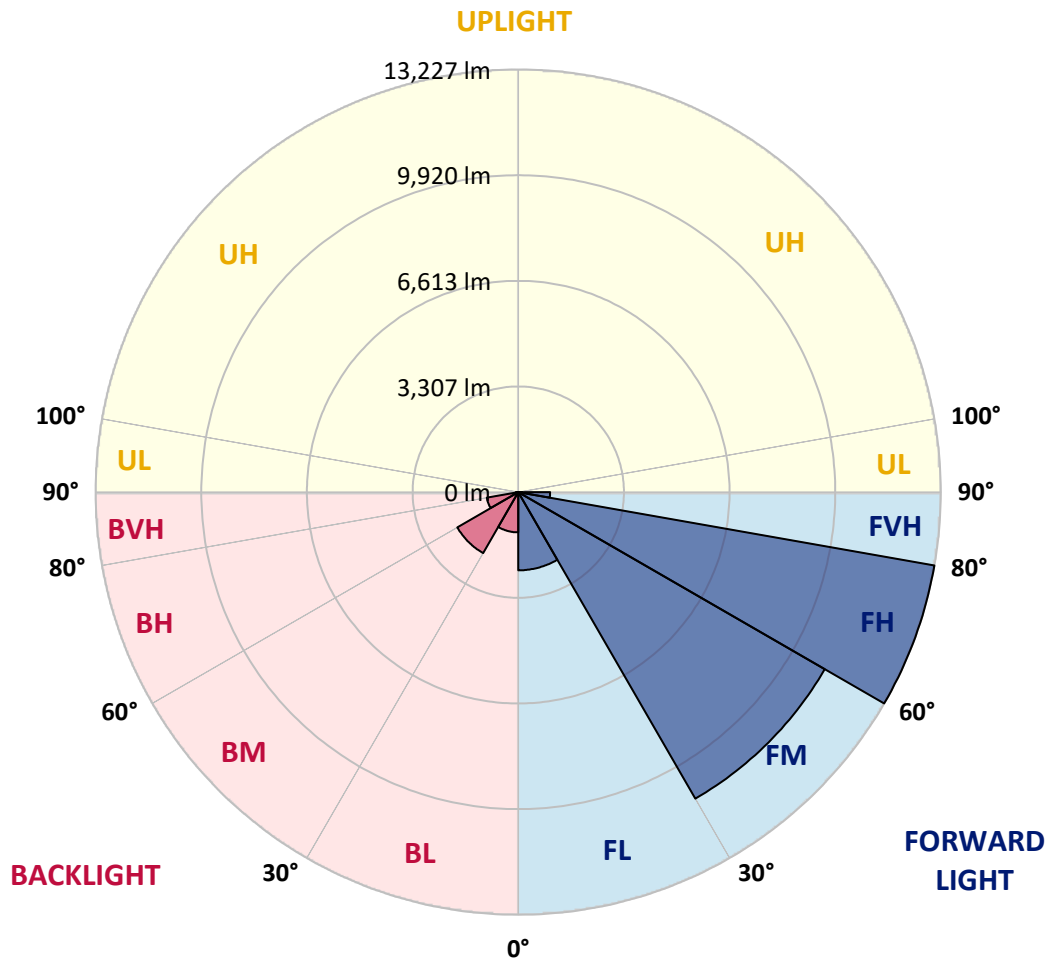


REPORT NUMBER: P480902
 CATALOG NUMBER: IFLD-S-SA6B-740-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2446.7	7.6			
FM (30°-60°)	11076.7	34.3			
FH (60°-80°)	13226.9	41.0			G5
FVH (80°-90°)	998.5	3.1			G5
BL (0°-30°)	1258.7	3.9	B3/2500		
BM (30°-60°)	2202.8	6.8	B2/2500		
BH (60°-80°)	998.2	3.1	B2/1000		G2/1000
BVH (80°-90°)	79.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





REPORT NUMBER: P480902

CATALOG NUMBER: IFLD-S-SA6B-740-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4
2.5°	5884.6	5823.2	5834.1	5812.4	5834.1	5826.8	5816.0	5761.8	5816.0	5761.8	5747.4
5°	5805.2	5805.2	5841.3	5787.1	5794.3	5758.2	5794.3	5754.6	5718.5	5628.2	5602.9
7.5°	5779.9	5776.3	5779.9	5704.0	5740.1	5718.5	5682.3	5639.0	5566.7	5508.9	5425.9
10°	5606.5	5642.6	5602.9	5624.5	5653.4	5588.4	5584.8	5574.0	5541.5	5465.6	5415.0
12.5°	5512.6	5574.0	5595.6	5577.6	5602.9	5610.1	5588.4	5574.0	5534.2	5483.7	5339.2
15°	5552.3	5480.1	5541.5	5660.7	5635.4	5653.4	5657.1	5642.6	5624.5	5530.6	5436.7
17.5°	5563.1	5519.8	5649.8	5675.1	5707.6	5772.7	5729.3	5725.7	5657.1	5592.0	5454.8
20°	5588.4	5570.4	5675.1	5808.8	5812.4	5823.2	5844.9	5790.7	5754.6	5642.6	5433.1
22.5°	5682.3	5743.8	5841.3	5899.1	5931.6	5938.8	5938.8	5830.5	5790.7	5700.4	5534.2
25°	5964.1	5899.1	6036.4	6105.0	6058.0	6047.2	6021.9	5924.4	5881.0	5801.6	5581.2
27.5°	6170.0	6166.4	6245.9	6339.8	6213.4	6238.7	6148.3	6119.4	6021.9	5978.6	5664.3
30°	6451.8	6531.3	6527.7	6556.6	6390.4	6419.3	6303.7	6249.5	6195.3	6220.6	5909.9
32.5°	6813.0	6784.1	6831.1	6809.4	6643.3	6668.5	6531.3	6448.2	6466.2	6542.1	6245.9
35°	7044.2	7015.3	7033.4	7033.4	6982.8	6953.9	6896.1	6787.7	6874.4	7015.3	6621.6
37.5°	7293.5	7329.6	7434.4	7412.7	7347.7	7347.7	7340.4	7264.6	7376.6	7723.4	7221.2
40°	7513.8	7611.4	7676.4	7719.8	7795.6	7795.6	7857.0	7813.7	8016.0	8572.3	7954.6
42.5°	7745.0	7748.7	8102.7	8135.2	8305.0	8377.2	8424.2	8460.3	8839.6	9460.9	8738.5
45°	8041.3	8059.3	8370.0	8619.2	8883.0	8908.2	9085.3	9204.5	9670.5	10432.7	9591.0
47.5°	8431.4	8409.7	8742.1	9139.4	9468.2	9641.6	9854.7	9984.7	10559.1	11487.5	10523.0
50°	8944.4	8879.3	9070.8	9695.8	10082.3	10273.7	10653.0	10869.8	11541.7	12495.4	11162.4
52.5°	9569.3	9460.9	9612.7	10295.4	10728.9	11115.4	11476.7	11718.7	12419.5	13275.7	11635.6
55°	10230.4	10006.4	10049.8	10931.2	11556.2	11921.0	12415.9	12668.8	13384.0	13976.5	12108.9
57.5°	10884.2	10743.4	10656.7	11541.7	12542.3	12892.7	13347.9	13676.6	14283.5	14597.8	12509.8
60°	11433.3	11397.2	11256.3	12488.2	13586.3	13886.2	14363.0	14565.3	15024.1	15172.2	12517.1
62.5°	11884.9	11762.1	11986.0	13250.4	14648.4	14988.0	15511.8	15529.8	15854.9	15529.8	12148.6
65°	12238.9	12246.1	12603.8	14171.5	15876.6	16378.7	16801.4	16754.4	16544.9	15316.7	11278.0
67.5°	12560.4	12697.7	13221.5	15183.0	17455.2	17928.5	18398.1	17776.7	16732.8	14319.7	9576.5
70°	12813.3	12950.5	14055.9	16414.9	19315.6	20009.2	20114.0	18181.3	15869.4	12130.5	7224.9
72.5°	12784.4	13033.6	14529.2	17397.4	20966.5	21566.2	20720.9	17043.4	13221.5	8456.7	4215.7
73°	12845.8	12968.6	14489.4	17672.0	21468.6	21768.5	20439.1	16685.8	12470.1	7586.1	3565.5
75°	11660.9	12076.3	13770.6	17224.0	20930.4	20876.2	18820.7	13904.2	8864.9	3984.5	1726.7
77.5°	8626.5	8890.2	10851.7	14164.3	17180.7	16833.9	14196.8	8886.6	4208.5	1477.5	932.0
80°	4215.7	4421.6	5751.0	8178.5	11234.6	11263.5	8810.7	4623.9	1802.6	834.5	635.8
82.5°	2106.0	2228.9	2763.5	3594.4	5527.0	5790.7	4468.6	2629.8	1116.2	473.2	361.2
85°	1376.3	1463.0	1701.5	1759.3	2344.5	2474.5	2080.8	2051.9	726.1	256.5	292.6
87.5°	913.9	928.4	1044.0	888.7	939.2	903.1	1004.3	1293.2	213.1	108.4	79.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P480902
 CATALOG NUMBER: IFLD-S-SA6B-740-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4	5747.4
2.5°	5729.3	5678.7	5624.5	5548.7	5494.5	5411.4	5335.6	5303.0	5295.8	5299.4	5263.3
5°	5581.2	5508.9	5400.6	5245.2	5154.9	5017.7	4902.1	4840.7	4775.6	4786.5	4757.6
7.5°	5375.3	5295.8	5129.6	4949.0	4725.1	4530.0	4421.6	4269.9	4183.2	4118.2	4154.3
10°	5310.3	5173.0	4923.7	4674.5	4327.7	4071.2	3821.9	3648.6	3529.3	3413.7	3464.3
12.5°	5277.8	5140.5	4793.7	4425.2	3977.3	3587.1	3236.7	3023.6	2853.8	2752.7	2792.4
15°	5248.9	5079.1	4670.9	4150.7	3648.6	3135.6	2741.8	2460.1	2297.5	2200.0	2210.8
17.5°	5288.6	5046.6	4490.2	3883.4	3287.3	2738.2	2301.1	2008.5	1842.3	1780.9	1766.5
20°	5248.9	5010.4	4313.2	3616.0	2926.1	2358.9	1939.9	1697.8	1582.2	1531.7	1520.8
22.5°	5263.3	4923.7	4129.0	3319.8	2590.1	2041.0	1697.8	1513.6	1423.3	1398.0	1405.2
25°	5331.9	4873.2	3944.8	2994.7	2257.8	1806.2	1542.5	1401.6	1336.6	1311.3	1318.5
27.5°	5382.5	4916.5	3778.6	2687.6	1976.0	1596.7	1412.5	1318.5	1275.2	1257.1	1253.5
30°	5508.9	4941.8	3616.0	2413.1	1744.8	1459.4	1322.1	1246.3	1217.4	1206.6	1202.9
32.5°	5696.8	4988.8	3428.2	2160.2	1575.0	1329.4	1249.9	1184.9	1177.7	1166.8	1170.4
35°	6003.9	5151.3	3218.7	1943.5	1412.5	1242.7	1174.0	1130.7	1130.7	1130.7	1141.5
37.5°	6444.6	5378.9	3030.8	1737.6	1307.7	1166.8	1109.0	1094.6	1087.3	1098.2	1105.4
40°	7011.7	5653.4	2879.1	1575.0	1217.4	1116.2	1065.7	1058.4	1054.8	1051.2	1058.4
42.5°	7633.1	6003.9	2749.1	1448.6	1152.4	1062.1	1025.9	1018.7	1004.3	1011.5	1022.3
45°	8250.8	6437.3	2633.5	1347.4	1109.0	1033.2	982.6	979.0	971.7	968.1	986.2
47.5°	8937.1	6863.6	2597.3	1286.0	1076.5	989.8	953.7	950.1	928.4	924.8	939.2
50°	9471.8	7177.9	2637.1	1257.1	1029.5	957.3	932.0	913.9	895.9	877.8	877.8
52.5°	9840.2	7394.6	2666.0	1235.4	1004.3	913.9	881.4	874.2	856.1	838.1	830.9
55°	10172.6	7524.7	2673.2	1239.1	979.0	863.4	841.7	838.1	827.2	798.3	791.1
57.5°	10284.6	7470.5	2528.7	1206.6	964.5	830.9	802.0	809.2	794.7	769.4	765.8
60°	10273.7	7094.8	2200.0	1163.2	932.0	794.7	758.6	780.3	780.3	751.4	747.8
62.5°	9648.8	6227.8	1799.0	1080.1	895.9	758.6	718.9	751.4	762.2	744.2	740.5
65°	8351.9	5071.8	1502.8	997.0	841.7	718.9	679.1	715.3	733.3	726.1	722.5
67.5°	6910.6	3879.7	1249.9	888.7	773.1	664.7	632.2	657.5	668.3	671.9	675.5
70°	4884.0	2582.9	1044.0	769.4	679.1	606.9	570.8	574.4	570.8	581.6	581.6
72.5°	2655.1	1488.3	848.9	653.8	585.2	527.4	502.1	484.1	484.1	480.5	480.5
73°	2272.2	1336.6	809.2	635.8	559.9	513.0	484.1	469.6	469.6	466.0	462.4
75°	1275.2	979.0	693.6	545.5	484.1	447.9	426.3	404.6	401.0	401.0	401.0
77.5°	838.1	762.2	552.7	437.1	390.1	357.6	350.4	328.7	328.7	328.7	325.1
80°	628.6	599.7	426.3	332.3	299.8	274.5	267.3	252.9	249.3	234.8	238.4
82.5°	419.0	473.2	310.7	234.8	202.3	187.8	187.8	184.2	173.4	155.3	155.3
85°	332.3	386.5	224.0	144.5	119.2	101.1	104.8	101.1	97.5	79.5	75.9
87.5°	61.4	155.3	65.0	39.7	28.9	18.1	18.1	10.8	7.2	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)