

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: P484492

Luminaire Tested: **IFLD-S-SA6D-760-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484492
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-760-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

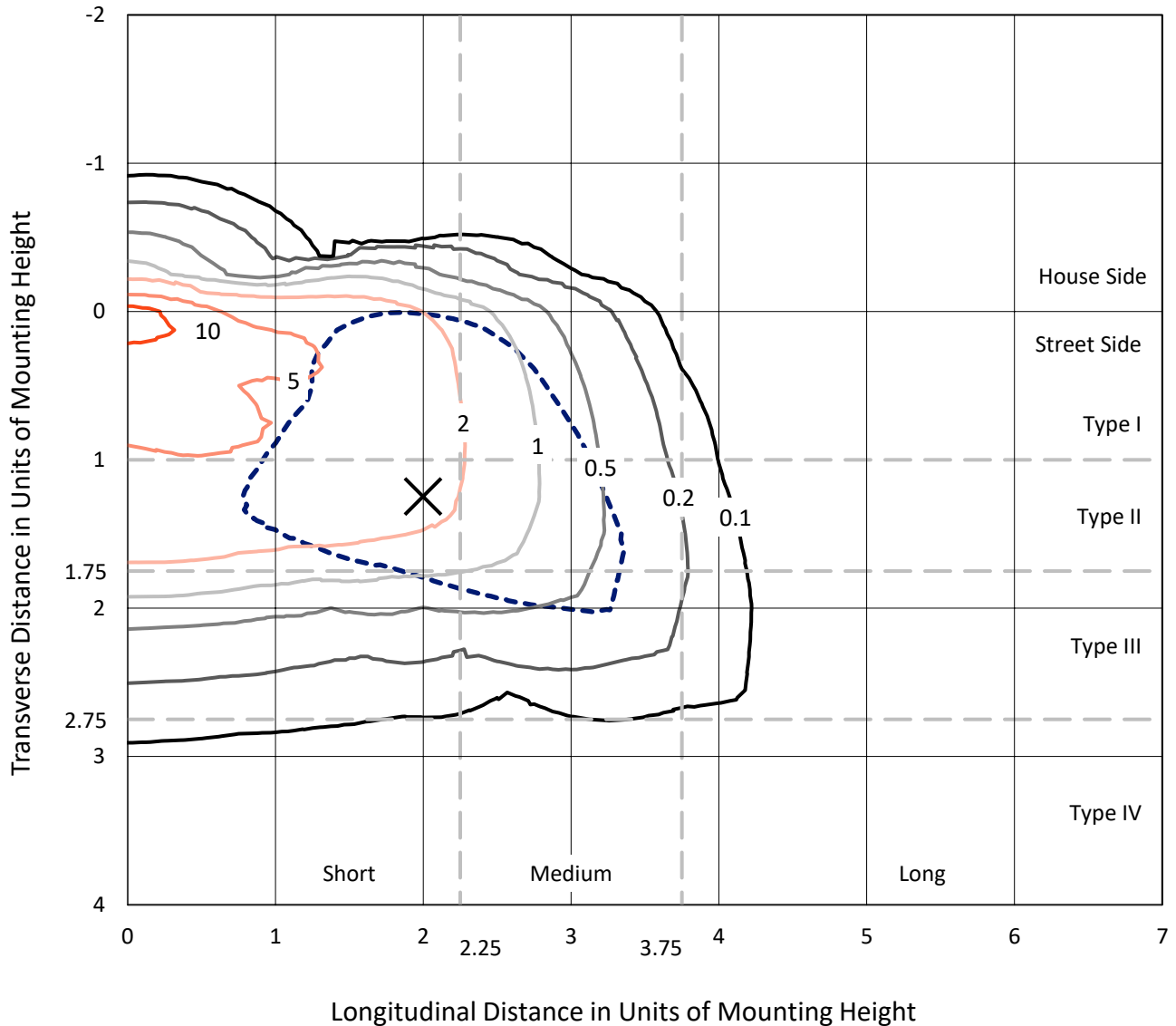
Lumens per Lamp: N/A
Luminaire Lumens: 39112.6 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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

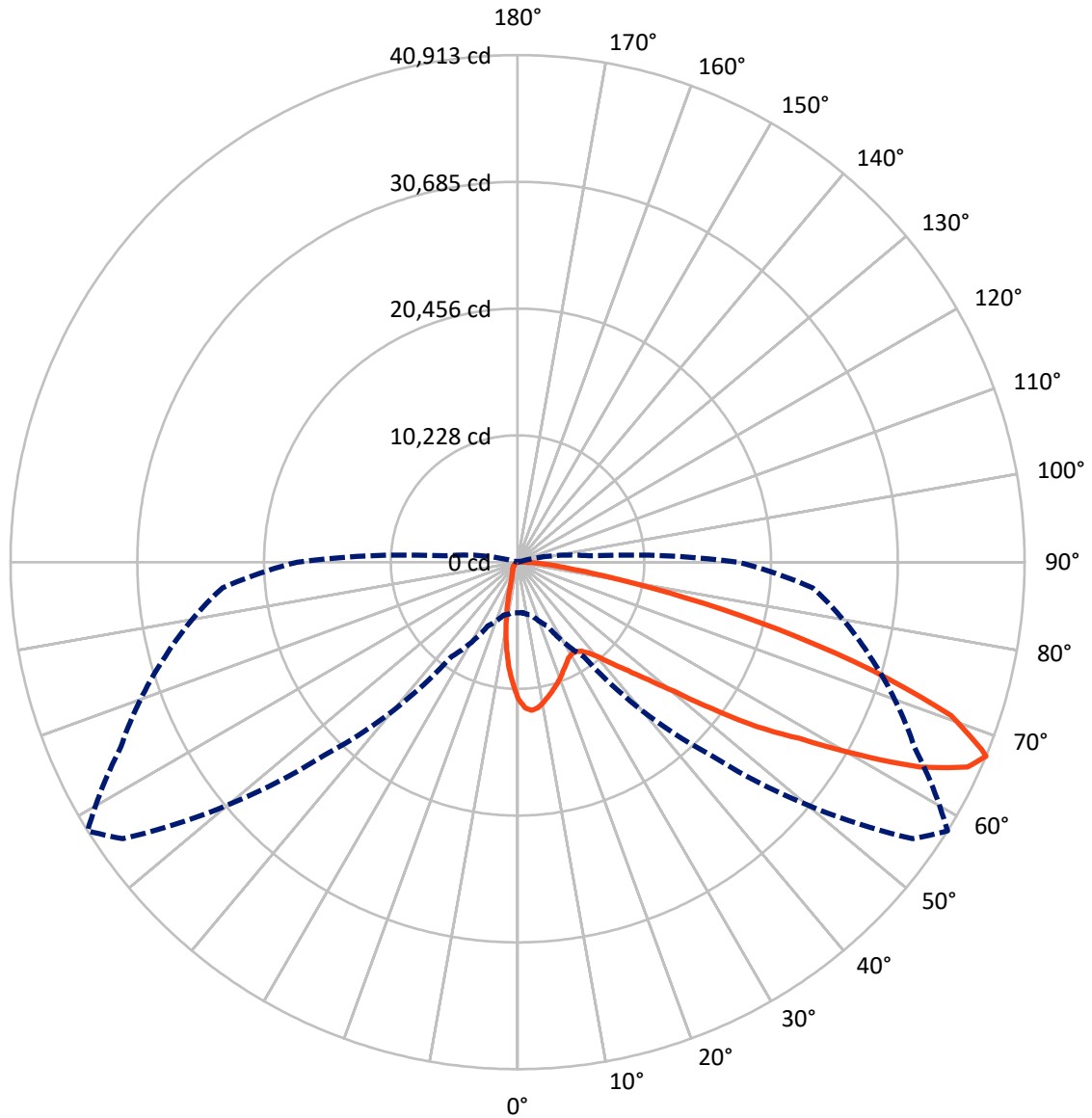
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.3 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
House Side	Lumens	3232.9	0.0	3232.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	35879.7	0.0	35879.7
	% Fixture	91.7	0.0	91.7
Total	Lumens	39112.6	0.0	39112.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.2	2.2
10°-20°	1823.7	4.7
20°-30°	2419.7	6.2
30°-40°	3352.9	8.6
40°-50°	5470.9	14.0
50°-60°	9616.1	24.6
60°-70°	10650.6	27.2
70°-80°	4413.6	11.3
80°-90°	485.9	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°	39112.6	100.0
0°-180°	39112.6	100.0

Coefficient of Utilization

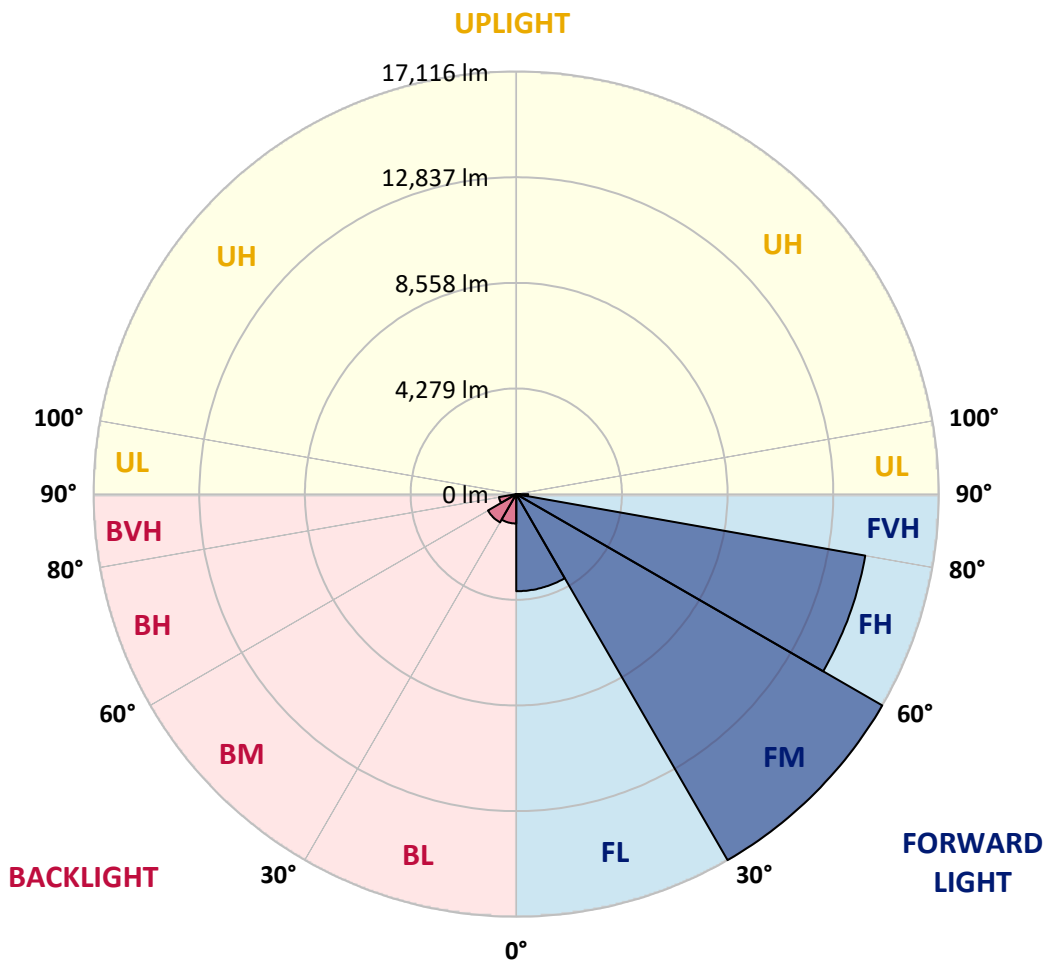


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3931.9	10.1			
FM (30°-60°)	17116.5	43.8			
FH (60°-80°)	14353.4	36.7			G5
FVH (80°-90°)	477.9	1.2			G3/500
BL (0°-30°)	1190.7	3.0	B3/2500		
BM (30°-60°)	1323.4	3.4	B2/2500		
BH (60°-80°)	710.8	1.8	B2/1000		G2/1000
BVH (80°-90°)	8.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1
2.5°	12057.3	12098.9	12135.2	12067.7	12124.9	12041.8	11828.9	11782.1	11745.8	11429.0	11247.3
5°	12052.2	12005.4	12041.8	12072.9	11995.0	12057.3	12005.4	12010.6	11870.4	11584.8	11075.9
7.5°	11247.3	11226.5	11247.3	11397.9	11569.2	11704.2	11782.1	11860.0	11766.6	11340.8	10847.5
10°	10162.0	10265.9	10323.0	10593.0	10857.8	11107.1	11351.1	11496.5	11470.6	11299.2	10598.2
12.5°	9403.9	9372.7	9580.5	9757.0	10021.8	10525.5	10951.3	11086.3	11242.1	11003.2	10271.1
15°	8702.9	8619.8	8744.4	9050.8	9502.6	9902.4	10499.6	10702.1	10899.4	10961.7	10094.5
17.5°	8033.0	8074.6	8204.4	8479.6	8905.4	9466.2	10027.0	10317.8	10790.3	10707.3	9829.7
20°	7711.1	7799.4	7846.1	7986.3	8282.3	8843.1	9679.1	9912.8	10416.5	10702.1	9570.1
22.5°	7726.7	7726.7	7617.6	7700.7	7970.7	8406.9	9206.6	9466.2	10265.9	10432.0	9336.4
25°	7892.8	7789.0	7794.2	7695.5	7809.8	8048.6	8780.8	9097.5	9959.5	10458.0	9211.8
27.5°	8017.5	7996.7	7965.5	7939.6	7794.2	7830.5	8500.4	8760.0	9840.1	10426.9	9019.6
30°	8469.2	8375.8	8344.6	8287.5	8095.4	7918.8	8277.1	8604.2	9746.6	10499.6	8910.6
32.5°	8848.3	8863.9	8889.8	8723.7	8557.5	8121.3	8339.4	8599.0	9679.1	10665.7	9019.6
35°	9326.0	9393.5	9403.9	9352.0	9175.4	8744.4	8599.0	8822.3	9793.3	10961.7	9030.0
37.5°	10053.0	9980.3	10177.6	10198.4	10073.8	9502.6	9201.4	9289.7	10130.9	11434.2	9424.7
40°	10525.5	10613.8	10982.5	11210.9	10998.0	10478.8	10073.8	10058.2	10619.0	12176.8	9912.8
42.5°	11050.0	11247.3	11652.3	12145.6	12119.7	11636.7	11226.5	11159.0	11486.2	13251.7	10686.5
45°	11766.6	11943.1	12509.1	13251.7	13656.7	13246.5	12628.5	12493.5	12540.3	14716.0	12005.4
47.5°	12955.7	12908.9	13724.2	14456.4	15121.0	14804.3	14539.4	14144.8	14108.4	16439.9	13828.0
50°	14300.6	14290.2	15017.2	15848.0	16616.5	17234.4	16793.0	16362.1	16372.4	18781.8	15972.6
52.5°	15578.0	15780.5	16564.6	17390.2	18709.1	19373.8	19799.6	19628.2	18802.6	20874.5	18267.8
55°	16253.0	16429.6	17208.5	18631.2	20713.5	22421.9	23574.7	23429.3	21835.1	23231.9	20531.8
57.5°	15614.3	15733.7	16787.9	18652.0	22115.5	25926.9	27033.0	26851.2	24971.5	25033.8	23268.3
60°	12940.1	13127.0	14695.2	16881.3	21570.3	28627.1	31794.6	31519.4	27827.4	27313.4	25028.6
62.5°	8962.5	9087.1	10374.9	13095.9	18984.4	29567.0	36291.5	36442.1	30839.2	29089.3	25553.1
65°	5805.4	5795.0	6532.4	8375.8	13454.2	26721.4	38950.1	39884.8	33747.1	29359.3	25392.1
67°	4102.2	4086.6	4434.5	5680.8	9315.6	22016.9	38903.4	40912.9	35325.6	29437.2	23901.8
67.5°	3785.4	3769.9	4102.2	5223.8	8406.9	20474.6	38321.8	40383.3	35881.3	29328.1	23247.5
70°	2939.0	2897.5	3022.1	3598.5	4896.7	13241.3	32796.8	37096.3	34728.5	26607.2	18563.7
72.5°	2123.8	2170.5	2367.9	2954.6	3842.6	7124.3	24997.4	29998.0	29006.2	20054.0	11797.7
75°	1479.9	1521.4	1838.2	2409.4	3525.8	4320.3	16902.1	21757.2	20204.6	11070.7	5026.5
77.5°	773.7	825.6	1173.5	1926.5	3203.9	3344.1	10099.7	13796.9	10707.3	3941.2	1386.4
80°	358.3	384.3	586.8	1365.7	2679.4	2939.0	5888.5	7674.7	4283.9	882.8	477.7
82.5°	155.8	171.4	270.0	784.1	1900.5	2570.4	3645.2	4024.3	1552.6	285.6	296.0
85°	31.2	36.3	103.9	415.4	919.1	1557.8	2560.0	2388.6	778.9	140.2	233.7
87.5°	0.0	0.0	26.0	119.4	249.2	462.1	1085.3	1085.3	238.9	72.7	88.3
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°	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1	11081.1
2.5°	11086.3	10899.4	10489.2	10110.1	9840.1	9533.7	9128.7	8946.9	8879.4	8786.0	8645.8
5°	10795.5	10567.1	9866.0	9159.8	8386.1	7799.4	7176.3	6812.8	6537.6	6366.2	6309.1
7.5°	10385.3	9918.0	8972.9	7840.9	6838.7	5966.4	5021.3	4382.6	3972.4	3806.2	3650.4
10°	10058.2	9450.6	8012.3	6605.1	5270.5	3993.2	2928.7	2367.9	1942.1	1781.1	1760.3
12.5°	9632.4	8905.4	7113.9	5343.2	3666.0	2378.2	1620.1	1407.2	1287.8	1267.0	1251.4
15°	9279.3	8412.1	6262.3	4138.5	2373.0	1485.1	1261.8	1209.9	1178.7	1168.3	1173.5
17.5°	9040.4	7882.5	5390.0	3011.7	1563.0	1215.1	1163.2	1132.0	1116.4	1111.2	1095.7
20°	8567.9	7435.9	4528.0	2108.2	1220.3	1121.6	1080.1	1054.1	1038.5	1033.3	1028.1
22.5°	8297.9	6869.9	3666.0	1469.5	1085.3	1017.8	986.6	965.8	939.9	924.3	919.1
25°	8027.8	6454.5	2897.5	1142.4	986.6	939.9	893.1	867.2	825.6	804.9	799.7
27.5°	7711.1	6044.3	2232.8	991.8	887.9	841.2	794.5	752.9	701.0	680.2	669.9
30°	7529.4	5644.4	1682.4	887.9	815.2	752.9	695.8	643.9	586.8	550.4	540.0
32.5°	7435.9	5280.9	1261.8	810.1	737.4	669.9	597.2	534.8	482.9	451.8	446.6
35°	7321.6	4927.8	991.8	737.4	664.7	592.0	519.3	457.0	405.0	379.1	368.7
37.5°	7441.1	4720.1	825.6	680.2	607.5	524.5	446.6	384.3	342.7	316.8	311.6
40°	7768.2	4548.8	716.6	628.3	550.4	462.1	389.4	327.1	290.8	270.0	259.6
42.5°	8271.9	4548.8	649.1	576.4	498.5	405.0	332.3	285.6	249.2	228.5	223.3
45°	9185.8	4689.0	592.0	524.5	436.2	347.9	285.6	238.9	202.5	181.7	176.6
47.5°	10468.4	5010.9	545.2	477.7	389.4	306.4	249.2	202.5	166.2	145.4	140.2
50°	12192.4	5743.1	498.5	420.6	347.9	264.8	207.7	161.0	129.8	109.0	103.9
52.5°	14342.1	6781.6	451.8	389.4	296.0	223.3	166.2	129.8	98.7	83.1	77.9
55°	16616.5	8053.8	394.6	347.9	254.4	186.9	135.0	98.7	72.7	62.3	57.1
57.5°	18906.5	9035.2	347.9	301.2	207.7	150.6	109.0	77.9	51.9	41.5	36.3
60°	20121.5	9128.7	301.2	249.2	166.2	119.4	83.1	57.1	36.3	26.0	20.8
62.5°	20308.5	8297.9	259.6	202.5	135.0	93.5	57.1	41.5	20.8	10.4	10.4
65°	19347.8	6916.6	223.3	161.0	103.9	67.5	41.5	26.0	10.4	5.2	0.0
67°	17790.0	5795.0	192.1	135.0	83.1	51.9	31.2	15.6	5.2	0.0	0.0
67.5°	17187.7	5483.4	181.7	124.6	77.9	46.7	26.0	15.6	5.2	0.0	0.0
70°	13339.9	3915.3	135.0	88.3	57.1	36.3	20.8	10.4	0.0	0.0	0.0
72.5°	8173.2	2290.0	103.9	62.3	41.5	26.0	15.6	5.2	0.0	0.0	0.0
75°	3427.2	789.3	88.3	46.7	31.2	15.6	10.4	5.2	0.0	0.0	0.0
77.5°	893.1	296.0	62.3	31.2	20.8	15.6	10.4	5.2	0.0	0.0	0.0
80°	363.5	135.0	41.5	20.8	20.8	15.6	10.4	5.2	0.0	0.0	0.0
82.5°	238.9	62.3	26.0	20.8	15.6	10.4	5.2	0.0	0.0	0.0	0.0
85°	181.7	36.3	15.6	15.6	10.4	5.2	0.0	0.0	0.0	0.0	0.0
87.5°	77.9	20.8	15.6	10.4	10.4	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)