

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: P483955

Luminaire Tested: **IFLD-L-SA7C-730-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483955
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-730-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

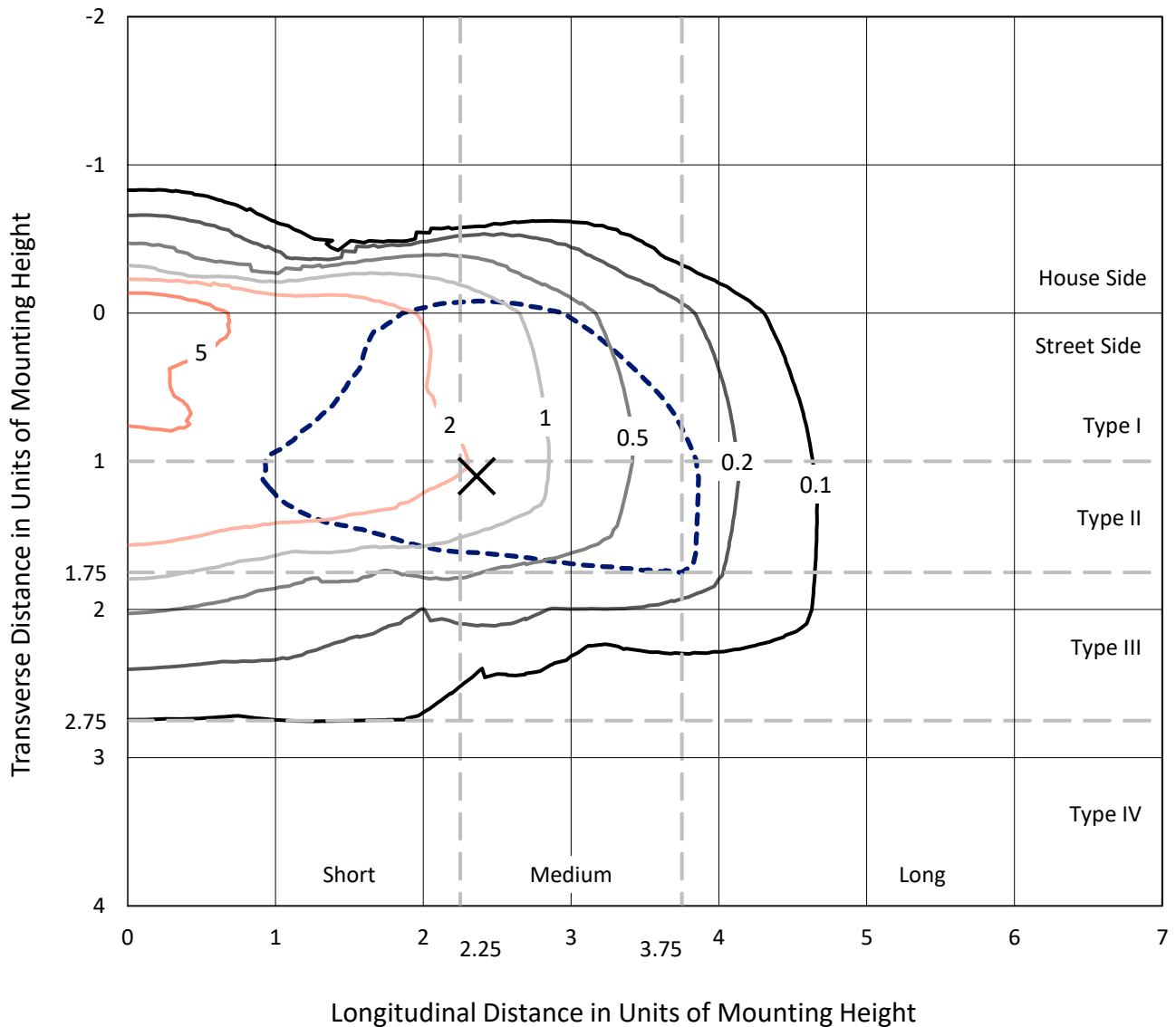
Lumens per Lamp: N/A
Luminaire Lumens: 33224.7 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 369
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

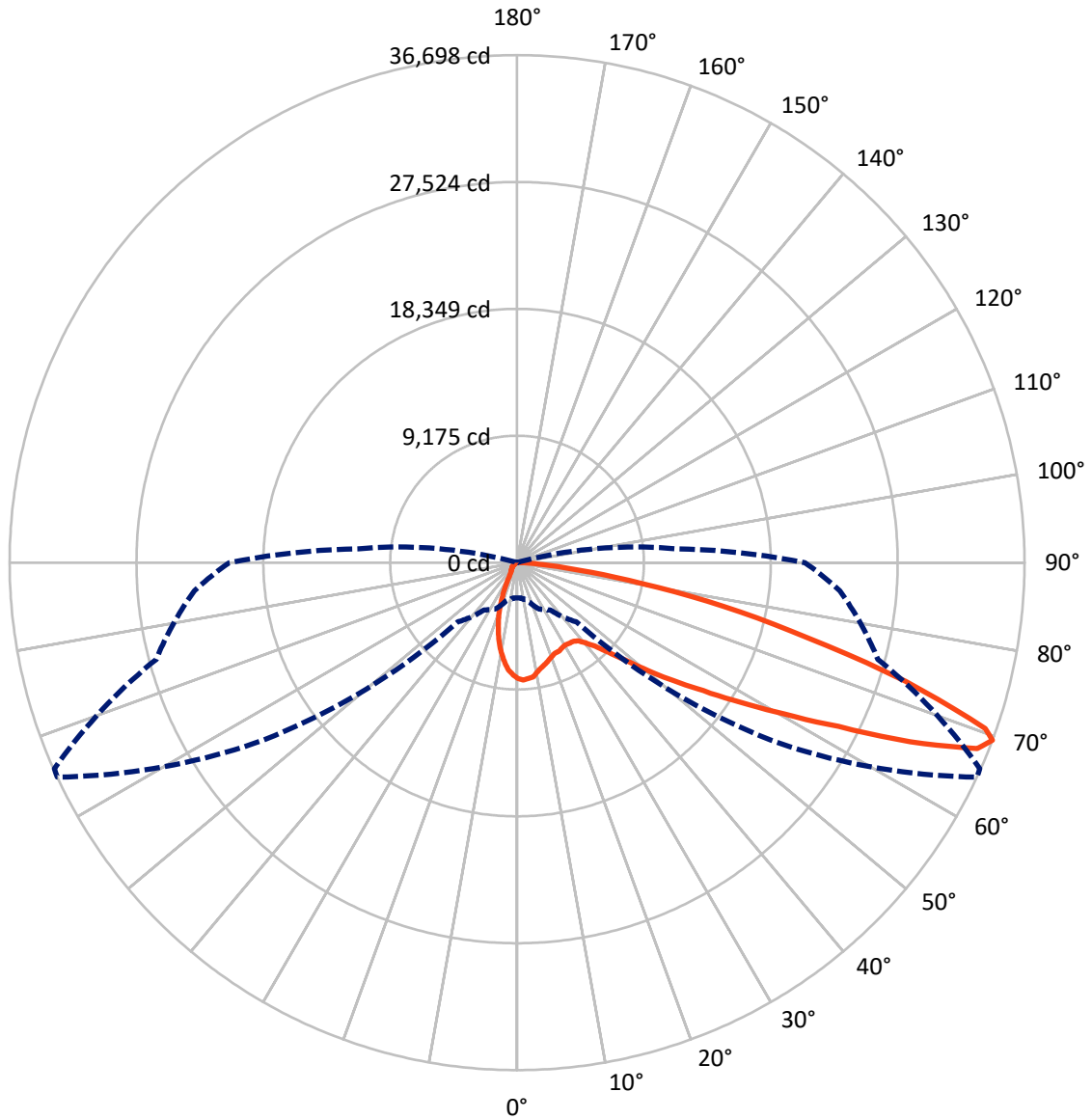
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4030.4	0.0	4030.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	29194.4	0.0	29194.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	33224.7	0.0	33224.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.5	2.1
10°-20°	1499.8	4.5
20°-30°	2088.1	6.3
30°-40°	2959.1	8.9
40°-50°	4663.4	14.0
50°-60°	7567.0	22.8
60°-70°	8450.8	25.4
70°-80°	4758.8	14.3
80°-90°	552.2	1.7
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°	33224.7	100.0
0°-180°	33224.7	100.0

Coefficient of Utilization

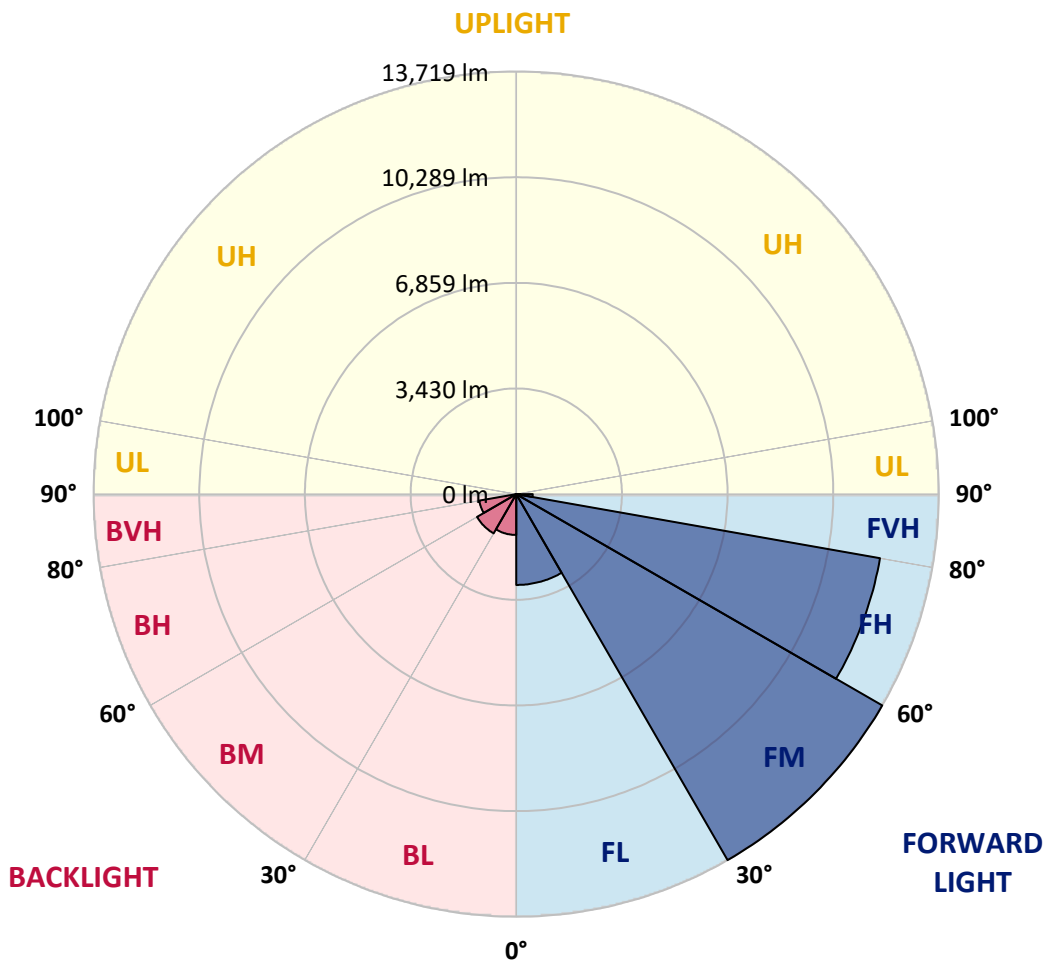


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2948.4	8.9			
FM (30°-60°)	13718.8	41.3			
FH (60°-80°)	11990.2	36.1			G4/12000
FVH (80°-90°)	537.0	1.6			G4/750
BL (0°-30°)	1325.1	4.0	B3/2500		
BM (30°-60°)	1470.6	4.4	B2/2500		
BH (60°-80°)	1219.4	3.7	B3/2500		G3/2500
BVH (80°-90°)	15.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7
2.5°	8067.5	8130.2	8148.1	8210.9	8242.3	8376.7	8452.9	8497.7	8475.3	8524.6	8529.1
5°	7493.8	7457.9	7552.0	7619.3	7762.7	7995.8	8233.3	8417.1	8502.2	8582.9	8569.4
7.5°	6879.8	6861.8	6956.0	7108.3	7238.3	7520.7	7901.6	8354.3	8336.4	8533.6	8591.9
10°	6458.5	6476.4	6507.8	6660.1	6852.9	7139.7	7614.8	8036.1	8130.2	8547.0	8663.6
12.5°	6073.0	6104.4	6162.6	6319.5	6543.6	6839.4	7301.1	7794.1	7937.5	8470.8	8703.9
15°	5947.5	5875.8	5992.3	6108.9	6341.9	6606.4	6996.3	7610.3	7673.1	8381.2	8771.1
17.5°	5844.4	5799.6	5853.4	5947.5	6194.0	6409.2	6776.7	7413.1	7529.6	8345.3	8762.2
20°	5875.8	5835.5	5857.9	5929.6	6041.6	6243.3	6584.0	7224.9	7350.4	8179.5	8748.7
22.5°	5965.4	5996.8	5956.5	5974.4	6010.3	6113.3	6480.9	7090.4	7198.0	8148.1	8824.9
25°	6368.8	6315.0	6261.3	6238.8	6028.2	6073.0	6449.5	7081.4	7157.6	8036.1	8762.2
27.5°	6790.1	6745.3	6722.9	6592.9	6306.1	6171.6	6454.0	6956.0	7059.0	7991.3	8686.0
30°	7301.1	7359.3	7269.7	7112.8	6713.9	6382.3	6503.3	6893.2	7036.6	7821.0	8636.7
32.5°	7838.9	7870.3	7915.1	7798.6	7283.1	6700.5	6651.2	6951.5	6960.4	7821.0	8524.6
35°	8448.4	8403.6	8520.1	8529.1	8076.4	7265.2	6933.5	6991.8	7085.9	7785.1	8484.3
37.5°	8972.8	9049.0	9183.5	9398.6	8932.5	8063.0	7372.8	7180.0	7220.4	7950.9	8515.7
40°	9546.5	9622.7	9927.5	10142.6	9878.2	8959.4	8040.6	7619.3	7650.6	8197.4	8677.0
42.5°	10178.5	10326.4	10689.4	11065.9	10994.2	10097.8	8901.1	8264.7	8251.2	8811.5	9008.7
45°	11034.5	11231.7	11626.1	12060.9	12123.6	11402.0	10048.5	9228.3	9273.1	9613.7	9694.4
47.5°	12226.7	12217.7	12603.2	13087.2	13450.3	12755.6	11420.0	10523.6	10519.1	10882.1	10711.8
50°	13378.6	13383.0	13486.1	14046.4	14987.6	14633.5	13118.6	12244.6	12195.3	12374.6	12101.2
52.5°	13911.9	13849.2	13773.0	14449.7	16170.8	16999.9	15269.9	14194.3	14153.9	14046.4	13974.6
55°	13351.7	13374.1	13369.6	14073.3	16793.8	19496.4	18030.8	16341.1	16273.9	15937.7	16036.3
57.5°	11554.4	11482.7	11639.6	12737.6	16081.2	21199.5	21979.4	19048.2	18873.4	17757.4	17533.3
60°	8600.8	8623.2	8753.2	10048.5	14310.8	21558.1	25757.6	22225.9	21472.9	19039.2	18730.0
62.5°	6005.8	5961.0	6010.3	6736.3	10232.2	20123.9	28312.3	26089.3	25363.2	20495.9	20316.6
65°	4298.2	4239.9	4437.1	4880.8	6144.7	15386.5	28675.4	31234.6	30584.7	22822.0	22391.7
67.5°	3092.5	3083.6	3312.1	4118.9	4365.4	8860.8	25986.2	35895.8	35501.3	25582.8	23655.6
69°	2559.2	2563.7	2783.3	3688.6	4168.2	6050.6	22360.3	36698.0	36626.3	27008.1	23418.1
70°	2232.0	2249.9	2505.4	3433.2	4087.5	4974.9	19276.8	35909.2	35837.5	27286.0	22633.7
72.5°	1376.0	1389.4	1725.5	2751.9	3885.8	4060.6	11527.5	29379.0	29625.5	26013.1	19500.9
75°	658.8	663.3	905.3	1990.0	3746.9	3850.0	6176.1	21679.1	22199.0	21002.3	15238.6
77.5°	349.6	349.6	434.7	1057.7	3034.3	3621.4	3666.2	15292.3	15722.6	13280.0	8663.6
80°	174.8	179.3	264.4	551.3	1882.4	3549.7	2864.0	9120.7	9353.8	5418.6	2698.1
82.5°	67.2	71.7	125.5	331.7	977.1	2998.4	2514.4	4486.4	4428.1	1268.4	658.8
85°	9.0	9.0	44.8	197.2	416.8	1322.2	2075.1	1873.4	1810.7	277.9	318.2
87.5°	0.0	0.0	9.0	58.3	125.5	385.4	802.3	515.4	573.7	76.2	156.9
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°	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7	8376.7
2.5°	8506.7	8412.6	8269.2	8130.2	7982.3	7803.0	7605.8	7534.1	7408.6	7399.7	7471.4
5°	8497.7	8345.3	8094.4	7798.6	7377.3	7059.0	6713.9	6462.9	6270.2	6144.7	6176.1
7.5°	8542.6	8358.8	7924.0	7287.6	6745.3	6113.3	5580.0	5212.5	4876.3	4710.5	4692.6
10°	8470.8	8224.3	7587.9	6696.0	5898.2	5015.3	4235.4	3742.4	3240.4	3056.7	3065.6
12.5°	8511.2	8166.1	7224.9	6086.5	4988.4	3841.0	2908.8	2236.5	1765.9	1613.5	1595.6
15°	8538.1	8040.6	6875.3	5355.9	3980.0	2617.4	1685.2	1268.4	1120.5	1093.6	1089.1
17.5°	8435.0	7888.2	6382.3	4634.3	2949.1	1591.1	1120.5	1035.3	1008.4	990.5	981.5
20°	8430.5	7798.6	5956.5	3894.8	1967.6	1084.6	968.1	936.7	896.4	882.9	882.9
22.5°	8354.3	7610.3	5445.5	3083.6	1254.9	932.2	869.5	820.2	775.4	757.4	753.0
25°	8331.9	7390.7	4966.0	2317.2	954.7	833.6	770.9	699.2	645.4	618.5	605.1
27.5°	8269.2	7202.5	4481.9	1631.4	833.6	744.0	663.3	587.1	524.4	484.0	479.6
30°	8045.1	7005.3	3944.1	1129.4	757.4	658.8	569.2	479.6	416.8	389.9	381.0
32.5°	7950.9	6821.5	3357.0	869.5	690.2	582.7	479.6	398.9	349.6	322.7	318.2
35°	7838.9	6552.6	2787.8	757.4	627.5	506.5	403.4	336.1	295.8	273.4	273.4
37.5°	7852.3	6337.4	2254.4	685.7	560.2	434.7	345.1	286.8	251.0	228.6	228.6
40°	7812.0	6167.1	1752.4	623.0	497.5	372.0	291.3	242.0	210.7	188.2	183.8
42.5°	7995.8	6122.3	1322.2	569.2	434.7	318.2	251.0	206.2	174.8	147.9	147.9
45°	8305.0	6194.0	1030.8	519.9	372.0	273.4	215.1	170.3	138.9	121.0	116.5
47.5°	9129.7	6476.4	806.7	479.6	318.2	237.5	179.3	138.9	112.0	94.1	89.6
50°	10326.4	7108.3	685.7	421.3	268.9	201.7	147.9	107.6	89.6	71.7	67.2
52.5°	12029.5	8170.6	623.0	372.0	224.1	165.8	116.5	85.2	67.2	53.8	49.3
55°	13885.0	9497.2	564.7	313.7	188.2	134.5	94.1	67.2	49.3	35.9	31.4
57.5°	15332.7	10644.6	515.4	260.0	152.4	107.6	71.7	49.3	35.9	22.4	17.9
60°	16914.8	11451.3	452.7	206.2	125.5	80.7	53.8	35.9	26.9	13.4	13.4
62.5°	18546.2	12397.0	372.0	161.3	98.6	62.7	40.3	26.9	17.9	4.5	4.5
65°	20814.1	13136.5	286.8	125.5	76.2	44.8	31.4	22.4	9.0	0.0	0.0
67.5°	21455.0	12773.5	210.7	98.6	53.8	31.4	22.4	13.4	4.5	0.0	0.0
69°	20814.1	11505.1	183.8	85.2	44.8	26.9	17.9	9.0	4.5	0.0	0.0
70°	19644.3	10519.1	161.3	71.7	40.3	26.9	13.4	9.0	4.5	0.0	0.0
72.5°	16430.7	8067.5	125.5	53.8	31.4	22.4	13.4	9.0	0.0	0.0	0.0
75°	12051.9	4983.9	94.1	40.3	26.9	17.9	13.4	9.0	0.0	0.0	0.0
77.5°	6458.5	1819.7	67.2	26.9	17.9	13.4	13.4	9.0	0.0	0.0	0.0
80°	1770.4	537.8	49.3	17.9	13.4	9.0	9.0	4.5	0.0	0.0	0.0
82.5°	484.0	138.9	31.4	17.9	13.4	9.0	4.5	0.0	0.0	0.0	0.0
85°	260.0	53.8	17.9	13.4	9.0	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	134.5	17.9	13.4	9.0	9.0	4.5	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)