

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: P484062

Luminaire Tested: **IFLD-S-SA6C-750-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484062
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

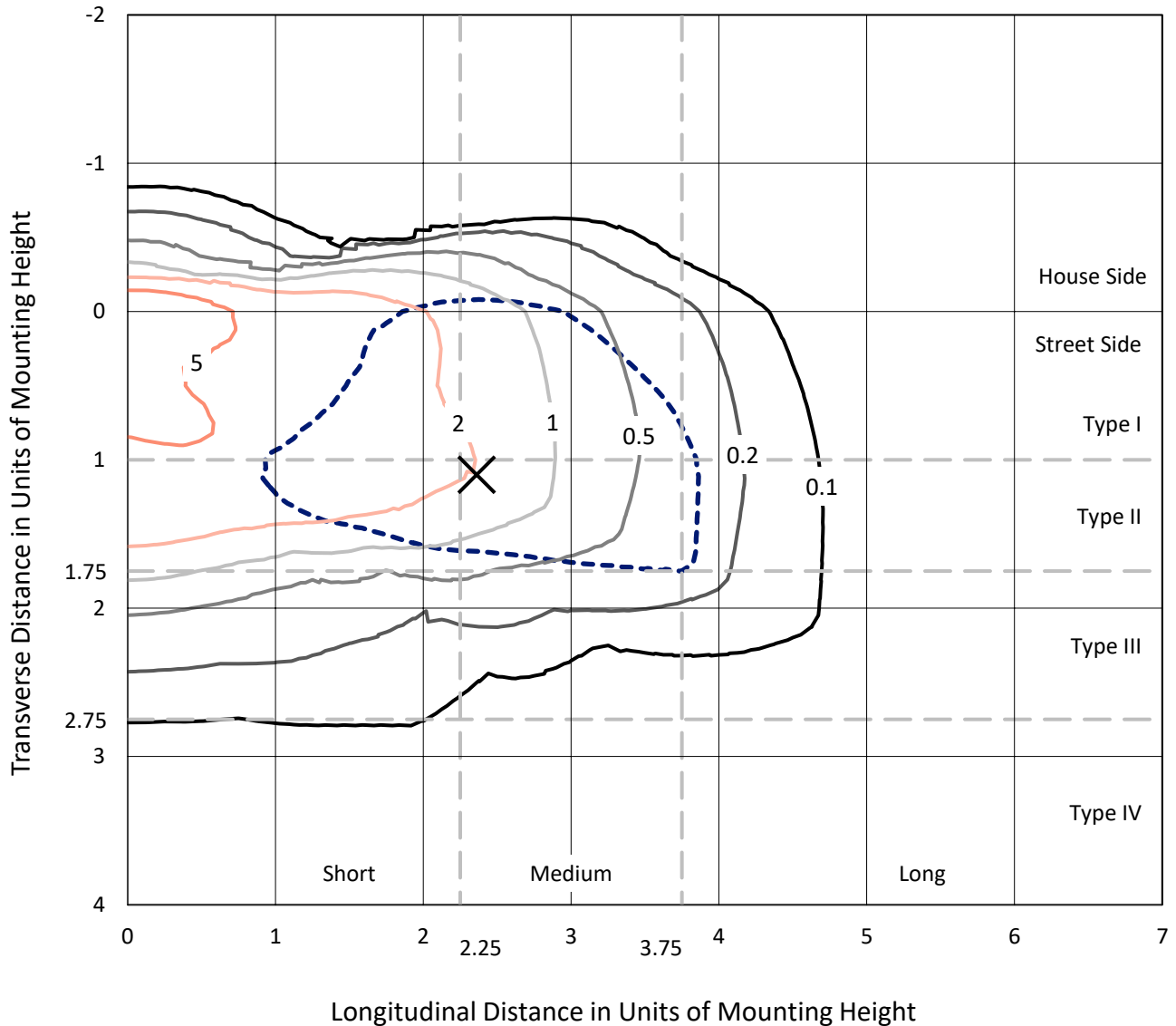
Lumens per Lamp: N/A
Luminaire Lumens: 34982.5 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5
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

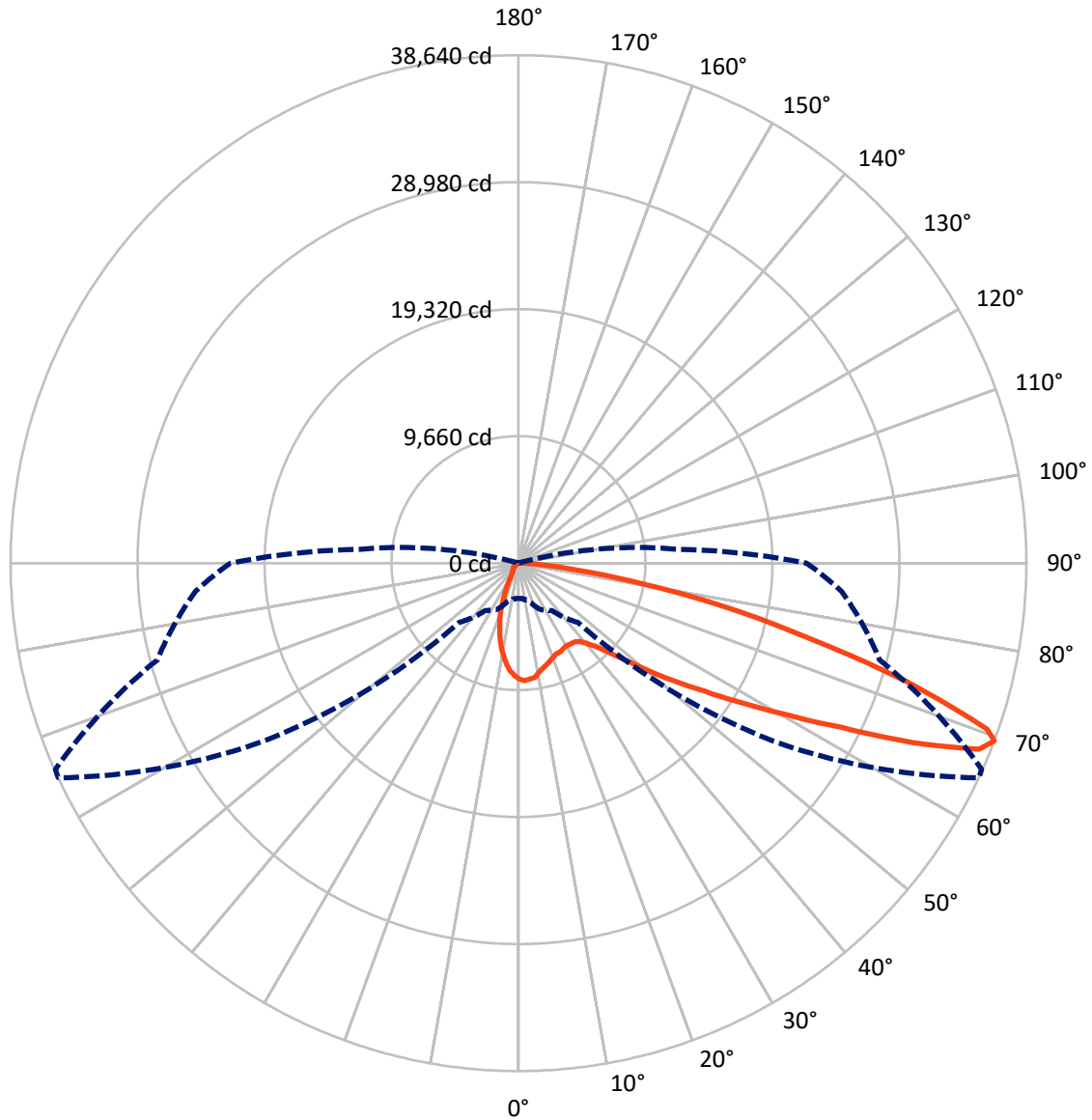
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.8 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	4243.6	0.0	4243.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	30738.9	0.0	30738.9
	% Fixture	87.9	0.0	87.9
Total	Lumens	34982.5	0.0	34982.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.8	2.1
10°-20°	1579.2	4.5
20°-30°	2198.6	6.3
30°-40°	3115.6	8.9
40°-50°	4910.1	14.0
50°-60°	7967.4	22.8
60°-70°	8897.9	25.4
70°-80°	5010.6	14.3
80°-90°	581.4	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°	34982.5	100.0
0°-180°	34982.5	100.0

Coefficient of Utilization

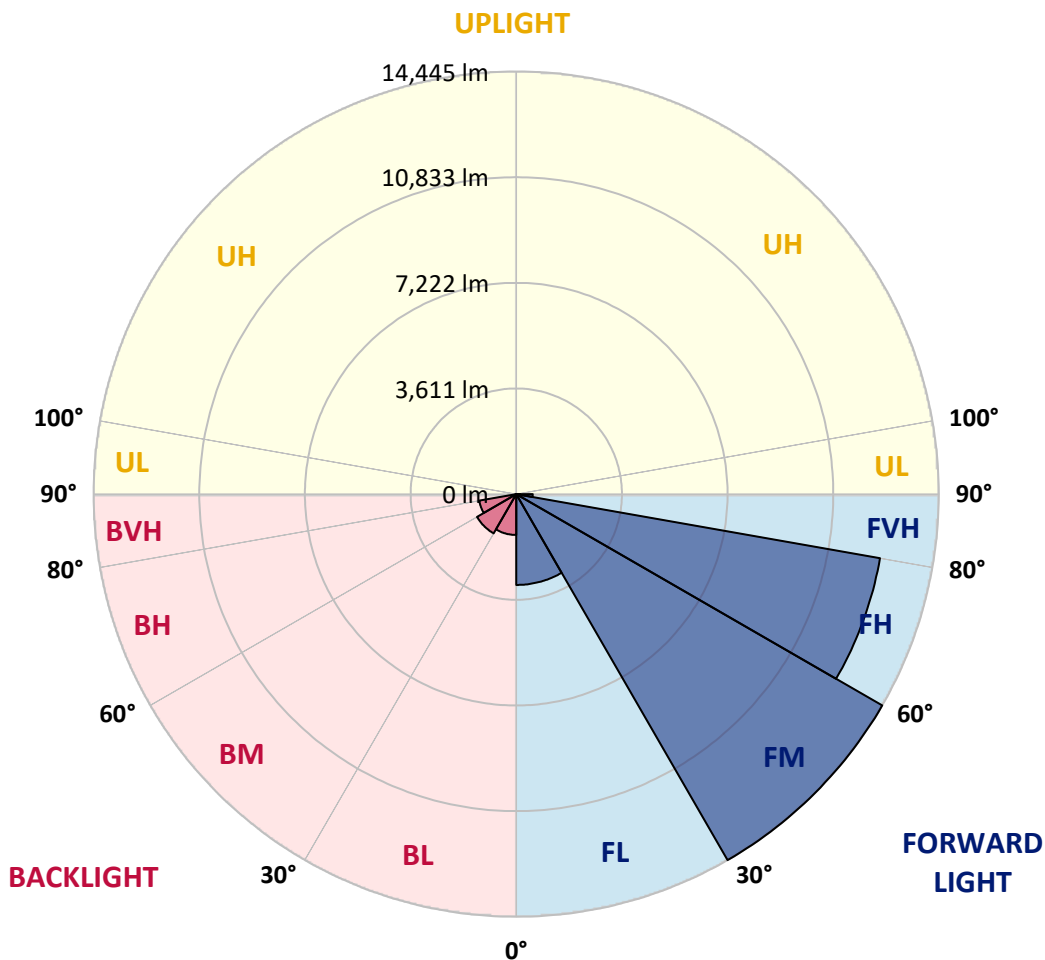


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3104.4	8.9			
FM (30°-60°)	14444.6	41.3			
FH (60°-80°)	12624.6	36.1			G5
FVH (80°-90°)	565.4	1.6			G4/750
BL (0°-30°)	1395.2	4.0	B3/2500		
BM (30°-60°)	1548.5	4.4	B2/2500		
BH (60°-80°)	1283.9	3.7	B3/2500		G3/2500
BVH (80°-90°)	16.0	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-G5
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9
2.5°	8494.3	8560.4	8579.2	8645.3	8678.3	8819.9	8900.1	8947.3	8923.7	8975.6	8980.3
5°	7890.2	7852.5	7951.6	8022.4	8173.4	8418.8	8668.9	8862.4	8952.0	9037.0	9022.8
7.5°	7243.7	7224.9	7324.0	7484.4	7621.3	7918.6	8319.7	8796.3	8777.4	8985.1	9046.4
10°	6800.1	6819.0	6852.1	7012.5	7215.4	7517.4	8017.7	8461.3	8560.4	8999.2	9121.9
12.5°	6394.3	6427.3	6488.7	6653.9	6889.8	7201.3	7687.3	8206.4	8357.4	8919.0	9164.4
15°	6262.2	6186.7	6309.4	6432.1	6677.5	6955.9	7366.4	8012.9	8079.0	8824.6	9235.2
17.5°	6153.6	6106.4	6163.1	6262.2	6521.7	6748.2	7135.2	7805.3	7928.0	8786.9	9225.7
20°	6186.7	6144.2	6167.8	6243.3	6361.3	6573.6	6932.3	7607.1	7739.2	8612.3	9211.6
22.5°	6281.1	6314.1	6271.6	6290.5	6328.2	6436.8	6823.7	7465.5	7578.8	8579.2	9291.8
25°	6705.8	6649.1	6592.5	6568.9	6347.1	6394.3	6790.7	7456.1	7536.3	8461.3	9225.7
27.5°	7149.4	7102.2	7078.6	6941.7	6639.7	6498.1	6795.4	7324.0	7432.5	8414.1	9145.5
30°	7687.3	7748.7	7654.3	7489.1	7069.1	6719.9	6847.3	7257.9	7408.9	8234.7	9093.6
32.5°	8253.6	8286.6	8333.8	8211.1	7668.5	7055.0	7003.1	7319.2	7328.7	8234.7	8975.6
35°	8895.4	8848.2	8970.9	8980.3	8503.7	7649.6	7300.4	7361.7	7460.8	8197.0	8933.2
37.5°	9447.5	9527.8	9669.3	9895.8	9405.1	8489.6	7762.8	7559.9	7602.4	8371.6	8966.2
40°	10051.6	10131.8	10452.7	10679.2	10400.8	9433.4	8466.0	8022.4	8055.4	8631.1	9136.1
42.5°	10717.0	10872.7	11254.9	11651.3	11575.8	10632.0	9372.0	8701.9	8687.8	9277.6	9485.3
45°	11618.3	11825.9	12241.2	12699.0	12765.0	12005.3	10580.1	9716.5	9763.7	10122.4	10207.3
47.5°	12873.6	12864.1	13270.0	13779.6	14161.9	13430.4	12024.1	11080.3	11075.6	11457.8	11278.5
50°	14086.4	14091.1	14199.6	14789.5	15780.5	15407.7	13812.6	12892.4	12840.5	13029.3	12741.4
52.5°	14647.9	14581.9	14501.6	15214.2	17026.3	17899.3	16077.8	14945.2	14902.7	14789.5	14714.0
55°	14058.0	14081.6	14076.9	14817.8	17682.3	20527.9	18984.7	17205.6	17134.9	16780.9	16884.7
57.5°	12165.7	12090.2	12255.4	13411.5	16931.9	22321.1	23142.2	20055.9	19871.9	18696.9	18460.9
60°	9055.9	9079.4	9216.3	10580.1	15067.9	22698.6	27120.4	23401.8	22609.0	20046.5	19720.9
62.5°	6323.5	6276.3	6328.2	7092.7	10773.6	21188.5	29810.2	27469.6	26705.1	21580.2	21391.4
65°	4525.6	4464.2	4671.9	5139.0	6469.8	16200.5	30192.5	32887.0	32202.8	24029.4	23576.4
67.5°	3256.1	3246.7	3487.4	4336.8	4596.4	9329.6	27361.0	37794.8	37379.6	26936.3	24907.1
69°	2694.6	2699.3	2930.5	3883.8	4388.7	6370.7	23543.3	38639.6	38564.0	28437.0	24657.0
70°	2350.1	2369.0	2637.9	3614.8	4303.8	5238.1	20296.6	37809.0	37733.5	28729.6	23831.2
72.5°	1448.7	1462.9	1816.8	2897.5	4091.4	4275.5	12137.4	30933.3	31192.9	27389.3	20532.6
75°	693.7	698.4	953.2	2095.3	3945.1	4053.7	6502.8	22826.0	23373.4	22113.5	16044.8
77.5°	368.1	368.1	457.7	1113.7	3194.8	3813.0	3860.2	16101.4	16554.4	13982.5	9121.9
80°	184.0	188.8	278.4	580.4	1982.0	3737.5	3015.5	9603.3	9848.6	5705.3	2840.9
82.5°	70.8	75.5	132.1	349.2	1028.8	3157.0	2647.4	4723.8	4662.4	1335.5	693.7
85°	9.4	9.4	47.2	207.6	438.9	1392.1	2184.9	1972.6	1906.5	292.6	335.1
87.5°	0.0	0.0	9.4	61.3	132.1	405.8	844.7	542.7	604.0	80.2	165.2
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°	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9	8819.9
2.5°	8956.8	8857.7	8706.6	8560.4	8404.6	8215.9	8008.2	7932.7	7800.6	7791.1	7866.7
5°	8947.3	8786.9	8522.6	8211.1	7767.6	7432.5	7069.1	6804.9	6601.9	6469.8	6502.8
7.5°	8994.5	8801.0	8343.3	7673.2	7102.2	6436.8	5875.2	5488.3	5134.3	4959.7	4940.8
10°	8919.0	8659.5	7989.3	7050.3	6210.3	5280.6	4459.5	3940.4	3411.9	3218.4	3227.8
12.5°	8961.5	8598.1	7607.1	6408.5	5252.3	4044.2	3062.7	2354.8	1859.3	1698.9	1680.0
15°	8989.8	8466.0	7239.0	5639.3	4190.5	2755.9	1774.4	1335.5	1179.8	1151.4	1146.7
17.5°	8881.2	8305.5	6719.9	4879.5	3105.1	1675.3	1179.8	1090.1	1061.8	1042.9	1033.5
20°	8876.5	8211.1	6271.6	4100.9	2071.7	1142.0	1019.3	986.3	943.8	929.7	929.7
22.5°	8796.3	8012.9	5733.6	3246.7	1321.3	981.6	915.5	863.6	816.4	797.5	792.8
25°	8772.7	7781.7	5228.7	2439.7	1005.2	877.7	811.7	736.2	679.5	651.2	637.1
27.5°	8706.6	7583.5	4719.0	1717.7	877.7	783.4	698.4	618.2	552.1	509.7	504.9
30°	8470.7	7375.9	4152.8	1189.2	797.5	693.7	599.3	504.9	438.9	410.6	401.1
32.5°	8371.6	7182.4	3534.6	915.5	726.7	613.5	504.9	420.0	368.1	339.8	335.1
35°	8253.6	6899.2	2935.2	797.5	660.7	533.3	424.7	353.9	311.5	287.9	287.9
37.5°	8267.8	6672.7	2373.7	722.0	589.9	457.7	363.4	302.0	264.3	240.7	240.7
40°	8225.3	6493.4	1845.1	655.9	523.8	391.7	306.7	254.8	221.8	198.2	193.5
42.5°	8418.8	6446.2	1392.1	599.3	457.7	335.1	264.3	217.1	184.0	155.7	155.7
45°	8744.4	6521.7	1085.4	547.4	391.7	287.9	226.5	179.3	146.3	127.4	122.7
47.5°	9612.7	6819.0	849.4	504.9	335.1	250.1	188.8	146.3	118.0	99.1	94.4
50°	10872.7	7484.4	722.0	443.6	283.1	212.4	155.7	113.3	94.4	75.5	70.8
52.5°	12665.9	8602.8	655.9	391.7	236.0	174.6	122.7	89.7	70.8	56.6	51.9
55°	14619.6	9999.7	594.6	330.3	198.2	141.6	99.1	70.8	51.9	37.8	33.0
57.5°	16143.9	11207.7	542.7	273.7	160.4	113.3	75.5	51.9	37.8	23.6	18.9
60°	17809.7	12057.2	476.6	217.1	132.1	84.9	56.6	37.8	28.3	14.2	14.2
62.5°	19527.4	13052.9	391.7	169.9	103.8	66.1	42.5	28.3	18.9	4.7	4.7
65°	21915.3	13831.5	302.0	132.1	80.2	47.2	33.0	23.6	9.4	0.0	0.0
67.5°	22590.1	13449.3	221.8	103.8	56.6	33.0	23.6	14.2	4.7	0.0	0.0
69°	21915.3	12113.8	193.5	89.7	47.2	28.3	18.9	9.4	4.7	0.0	0.0
70°	20683.6	11075.6	169.9	75.5	42.5	28.3	14.2	9.4	4.7	0.0	0.0
72.5°	17300.0	8494.3	132.1	56.6	33.0	23.6	14.2	9.4	0.0	0.0	0.0
75°	12689.5	5247.6	99.1	42.5	28.3	18.9	14.2	9.4	0.0	0.0	0.0
77.5°	6800.1	1915.9	70.8	28.3	18.9	14.2	14.2	9.4	0.0	0.0	0.0
80°	1864.0	566.3	51.9	18.9	14.2	9.4	9.4	4.7	0.0	0.0	0.0
82.5°	509.7	146.3	33.0	18.9	14.2	9.4	4.7	0.0	0.0	0.0	0.0
85°	273.7	56.6	18.9	14.2	9.4	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	141.6	18.9	14.2	9.4	9.4	4.7	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)