

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: P565361

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T2-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565361
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-T2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2 distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

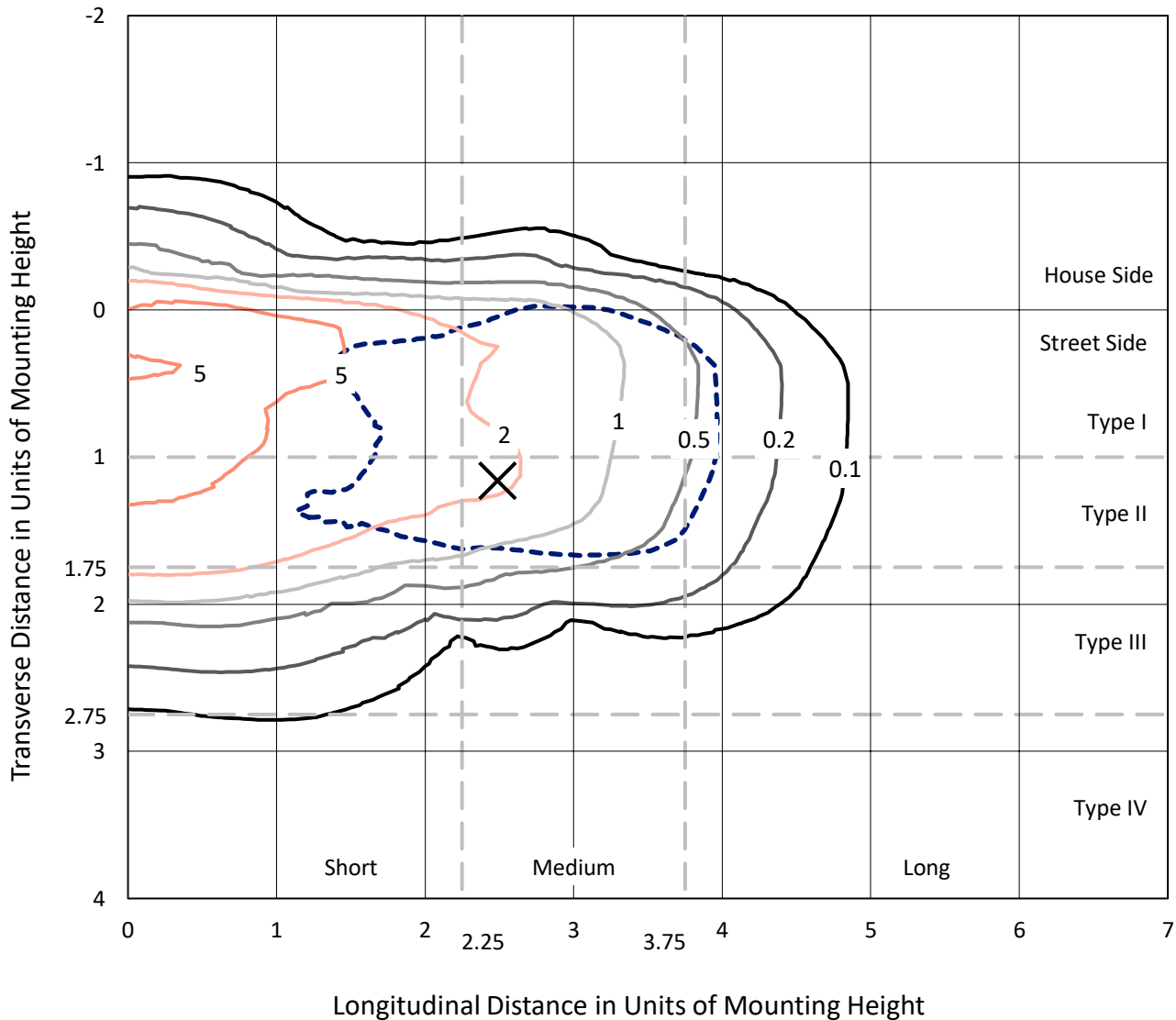
Lumens per Lamp: N/A
Luminaire Lumens: 4620.3 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G2

Input Watts (W): 122.4
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

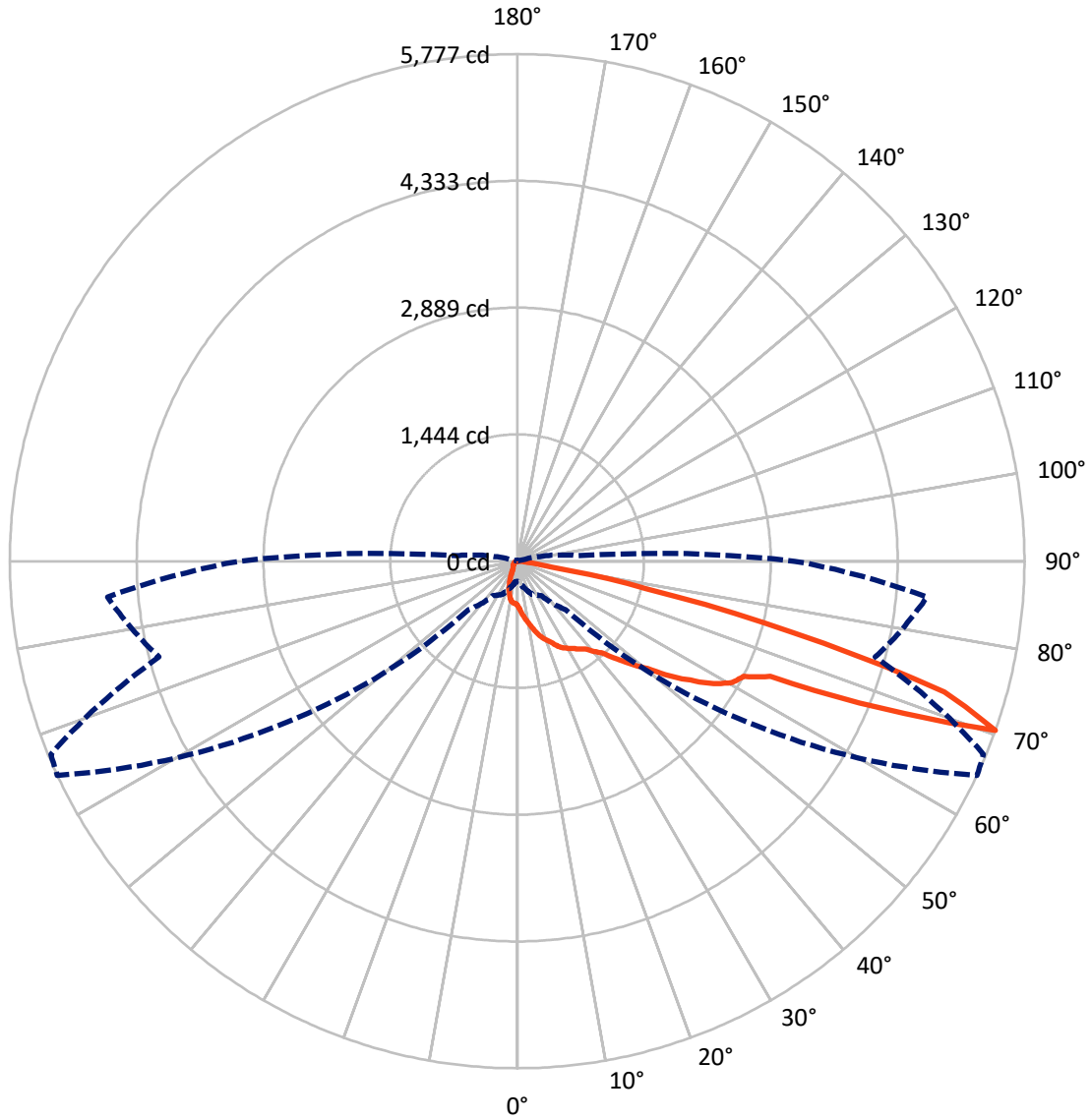
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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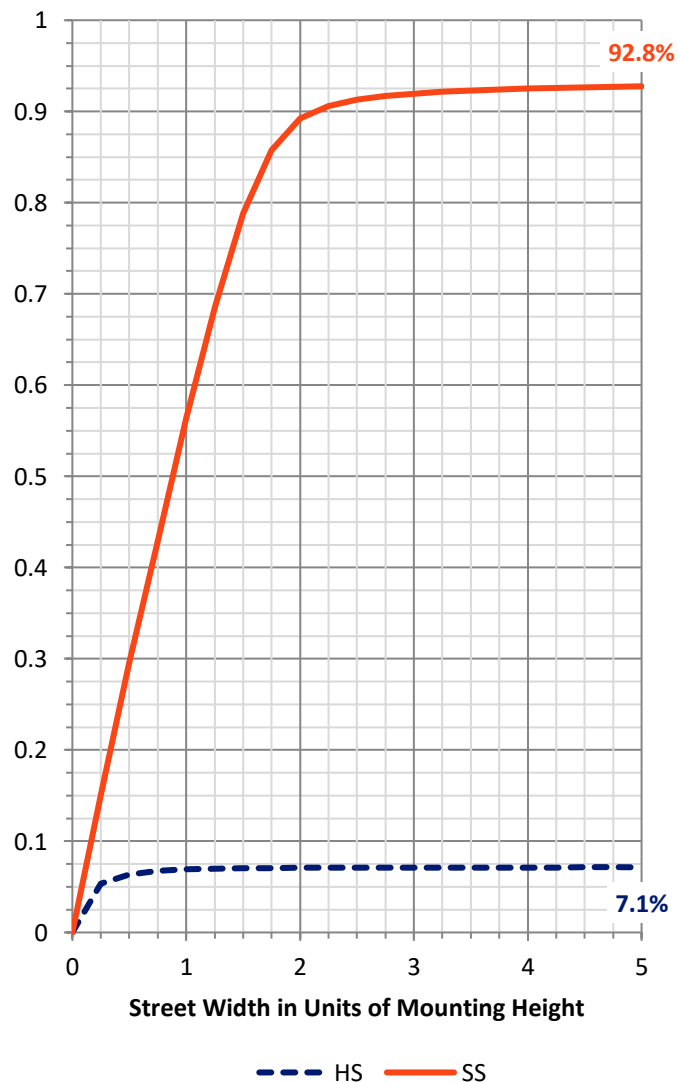
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.5	0.0	331.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4288.7	0.0	4288.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	4620.3	0.0	4620.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.1
10°-20°	142.9	3.1
20°-30°	236.6	5.1
30°-40°	412.0	8.9
40°-50°	718.6	15.6
50°-60°	1123.8	24.3
60°-70°	1197.2	25.9
70°-80°	708.4	15.3
80°-90°	30.7	0.7
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°	4620.3	100.0
0°-180°	4620.3	100.0

Coefficient of Utilization

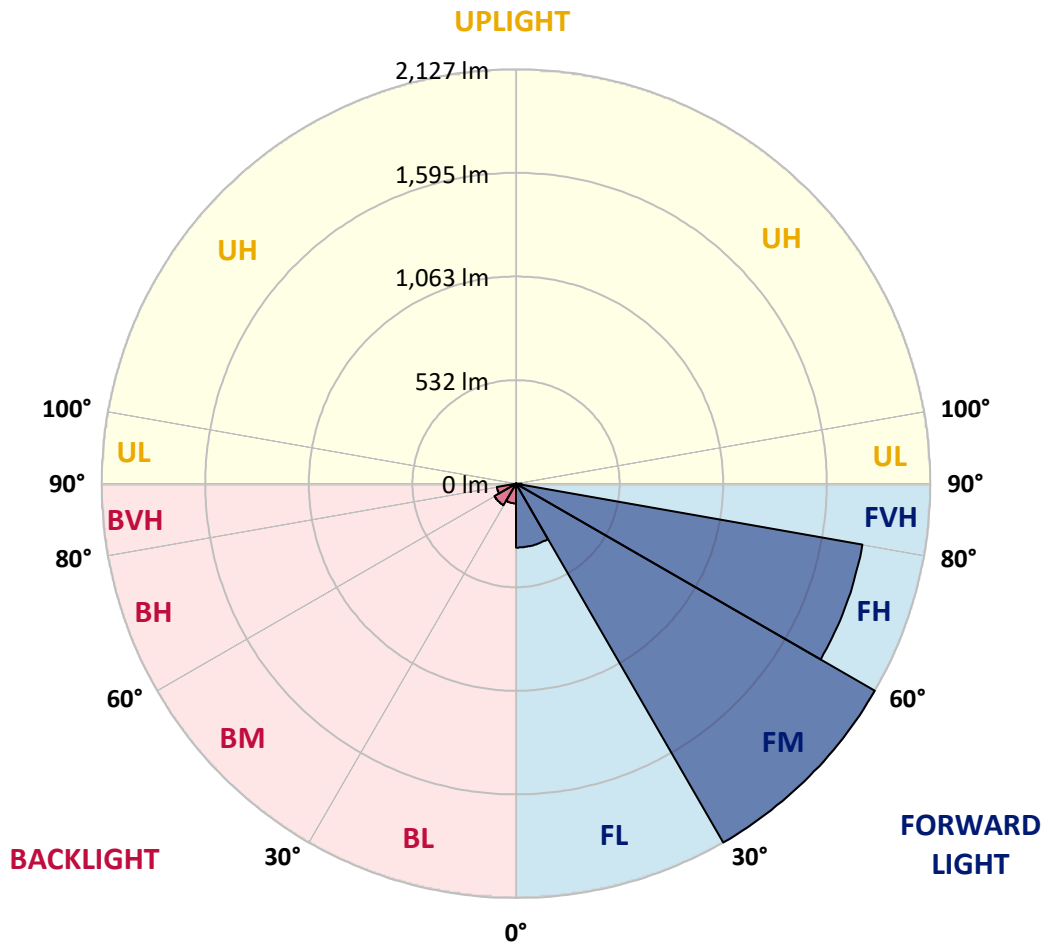


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.2	7.1			
FM (30°-60°)	2126.6	46.0			
FH (60°-80°)	1805.3	39.1			G2/5000
FVH (80°-90°)	28.7	0.6			G1/100
BL (0°-30°)	101.5	2.2	B0/110		
BM (30°-60°)	127.8	2.8	B0/220		
BH (60°-80°)	100.3	2.2	B0/110		G0/110
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	575.3	581.4	578.3	575.3	569.2	569.2	560.0	544.8	541.8	538.7	523.5
5°	630.1	620.9	627.0	627.0	633.1	630.1	614.8	602.7	593.5	581.4	554.0
7.5°	627.0	627.0	633.1	642.2	651.4	663.5	669.6	663.5	651.4	633.1	596.6
10°	630.1	633.1	633.1	654.4	678.8	690.9	718.3	718.3	712.2	697.0	660.5
12.5°	617.9	627.0	645.3	669.6	700.1	721.4	757.9	779.2	782.2	760.9	718.3
15°	584.4	596.6	617.9	657.4	709.2	754.8	803.5	855.3	861.4	852.2	779.2
17.5°	547.9	550.9	572.2	617.9	687.9	767.0	855.3	913.1	925.3	931.4	855.3
20°	532.7	538.7	550.9	587.4	648.3	757.9	885.7	958.8	980.1	986.2	910.1
22.5°	547.9	557.0	554.0	578.3	633.1	733.5	897.9	1007.5	1028.8	1065.3	971.0
25°	633.1	639.2	630.1	614.8	624.0	715.3	894.9	1074.4	1086.6	1147.5	1022.7
27.5°	776.2	791.4	760.9	721.4	681.8	727.5	907.0	1117.1	1144.4	1232.7	1077.5
30°	913.1	916.2	907.0	861.4	773.1	767.0	925.3	1153.6	1208.4	1314.9	1159.7
32.5°	1013.6	1016.6	1019.7	995.3	922.3	858.3	940.5	1187.1	1260.1	1381.9	1220.5
35°	1177.9	1181.0	1144.4	1123.1	1068.4	961.8	974.0	1229.7	1302.7	1476.2	1299.7
37.5°	1375.8	1421.4	1357.5	1272.3	1196.2	1086.6	1050.1	1269.2	1342.3	1594.9	1400.1
40°	1546.2	1591.9	1537.1	1470.1	1357.5	1229.7	1144.4	1351.4	1415.3	1731.9	1521.9
42.5°	1710.6	1741.0	1731.9	1643.6	1549.3	1427.5	1278.4	1430.6	1506.7	1896.3	1658.8
45°	1838.4	1856.7	1865.8	1811.0	1695.4	1640.6	1473.2	1591.9	1655.8	2094.1	1817.1
47.5°	1954.1	1987.6	1969.3	1954.1	1856.7	1859.7	1655.8	1753.2	1838.4	2282.8	2036.3
50°	2072.8	2088.0	2075.8	2072.8	2002.8	2063.7	1847.6	1923.6	2048.4	2495.9	2215.8
52.5°	2261.5	2240.2	2249.3	2234.1	2167.1	2206.7	1948.0	2173.2	2261.5	2712.0	2483.7
55°	2425.9	2395.4	2492.8	2508.0	2404.6	2270.6	2051.5	2392.4	2492.8	2922.0	2687.6
57.5°	2343.7	2365.0	2568.9	2693.7	2821.5	2474.6	2142.8	2635.9	2730.2	3062.0	2782.0
60°	1990.6	1993.7	2279.8	2590.2	2885.5	2882.4	2331.5	2809.4	2922.0	3104.6	2839.8
62.5°	1226.6	1324.0	1631.4	2142.8	2663.3	3022.4	2815.5	2891.6	2958.5	3089.4	2943.3
65°	590.5	614.8	830.9	1187.1	1938.9	2821.5	3405.9	3165.5	3055.9	3071.1	3101.6
67.5°	347.0	365.2	477.9	587.4	913.1	2008.9	3698.1	4480.4	3978.2	3399.9	3631.2
70°	228.3	237.4	313.5	420.0	474.8	779.2	3189.8	5777.0	5746.6	4221.7	4684.3
72.5°	143.1	152.2	210.0	298.3	353.1	307.4	1515.8	5089.1	5411.8	4827.4	4781.7
75°	97.4	100.4	127.8	213.1	261.8	203.9	395.7	3247.7	3707.3	3844.2	3466.8
77.5°	67.0	70.0	85.2	130.9	182.6	140.0	152.2	1500.6	1731.9	1926.7	1664.9
80°	36.5	39.6	60.9	79.1	124.8	91.3	100.4	401.8	474.8	529.6	395.7
82.5°	15.2	18.3	30.4	48.7	85.2	57.8	51.7	115.7	130.9	149.1	82.2
85°	3.0	3.0	15.2	36.5	39.6	27.4	24.3	54.8	67.0	60.9	27.4
87.5°	0.0	0.0	6.1	6.1	12.2	9.1	6.1	12.2	18.3	24.3	6.1
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°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	517.4	511.3	505.3	484.0	480.9	468.7	453.5	450.5	444.4	438.3	435.3
5°	541.8	532.7	508.3	477.9	459.6	438.3	420.0	410.9	398.7	389.6	383.5
7.5°	584.4	554.0	517.4	468.7	435.3	395.7	365.2	350.0	328.7	319.6	316.5
10°	620.9	590.5	520.5	444.4	386.6	337.9	301.3	264.8	243.5	231.3	225.2
12.5°	672.7	633.1	514.4	404.8	334.8	264.8	216.1	170.4	155.2	143.1	146.1
15°	727.5	669.6	502.2	359.2	273.9	191.8	140.0	115.7	115.7	112.6	112.6
17.5°	773.1	684.8	459.6	313.5	210.0	127.8	106.5	106.5	106.5	103.5	103.5
20°	834.0	694.0	410.9	261.8	143.1	100.4	94.4	94.4	94.4	88.3	88.3
22.5°	873.6	687.9	356.1	210.0	100.4	91.3	82.2	79.1	76.1	70.0	70.0
25°	897.9	666.6	319.6	152.2	91.3	79.1	70.0	67.0	60.9	57.8	57.8
27.5°	940.5	633.1	283.1	112.6	85.2	73.0	60.9	54.8	51.7	48.7	48.7
30°	977.0	605.7	240.5	94.4	76.1	63.9	51.7	48.7	45.7	42.6	42.6
32.5°	1016.6	569.2	197.8	91.3	70.0	54.8	45.7	42.6	39.6	39.6	39.6
35°	1028.8	520.5	164.4	85.2	63.9	48.7	42.6	39.6	36.5	36.5	36.5
37.5°	1056.2	487.0	130.9	79.1	57.8	45.7	42.6	36.5	33.5	33.5	30.4
40°	1104.9	453.5	103.5	73.0	54.8	45.7	39.6	33.5	30.4	27.4	27.4
42.5°	1138.4	426.1	94.4	67.0	48.7	42.6	36.5	30.4	27.4	24.3	24.3
45°	1199.2	404.8	88.3	60.9	45.7	39.6	33.5	27.4	21.3	18.3	18.3
47.5°	1308.8	398.7	82.2	54.8	45.7	36.5	30.4	21.3	18.3	15.2	15.2
50°	1394.0	386.6	79.1	51.7	42.6	33.5	24.3	18.3	12.2	12.2	12.2
52.5°	1524.9	386.6	73.0	48.7	39.6	30.4	21.3	15.2	12.2	9.1	9.1
55°	1634.5	395.7	70.0	45.7	36.5	24.3	18.3	12.2	9.1	9.1	6.1
57.5°	1707.5	386.6	67.0	42.6	33.5	21.3	15.2	12.2	9.1	6.1	6.1
60°	1780.6	383.5	60.9	39.6	27.4	18.3	15.2	9.1	6.1	6.1	3.0
62.5°	1847.6	383.5	51.7	33.5	21.3	15.2	12.2	9.1	6.1	3.0	3.0
65°	2008.9	407.9	42.6	27.4	18.3	12.2	9.1	6.1	3.0	3.0	3.0
67.5°	2404.6	520.5	36.5	21.3	15.2	12.2	9.1	6.1	3.0	0.0	0.0
70°	3165.5	700.1	30.4	18.3	12.2	9.1	6.1	3.0	0.0	0.0	0.0
72.5°	2998.1	535.7	24.3	15.2	12.2	9.1	6.1	3.0	0.0	0.0	0.0
75°	2063.7	210.0	18.3	12.2	9.1	6.1	3.0	3.0	0.0	0.0	0.0
77.5°	922.3	63.9	15.2	9.1	6.1	3.0	3.0	3.0	0.0	0.0	0.0
80°	173.5	27.4	9.1	9.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0
82.5°	39.6	18.3	9.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0
85°	18.3	9.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	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)