

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: P565364

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T2-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565364
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-T2-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2 distribution lens and House Side Shield
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

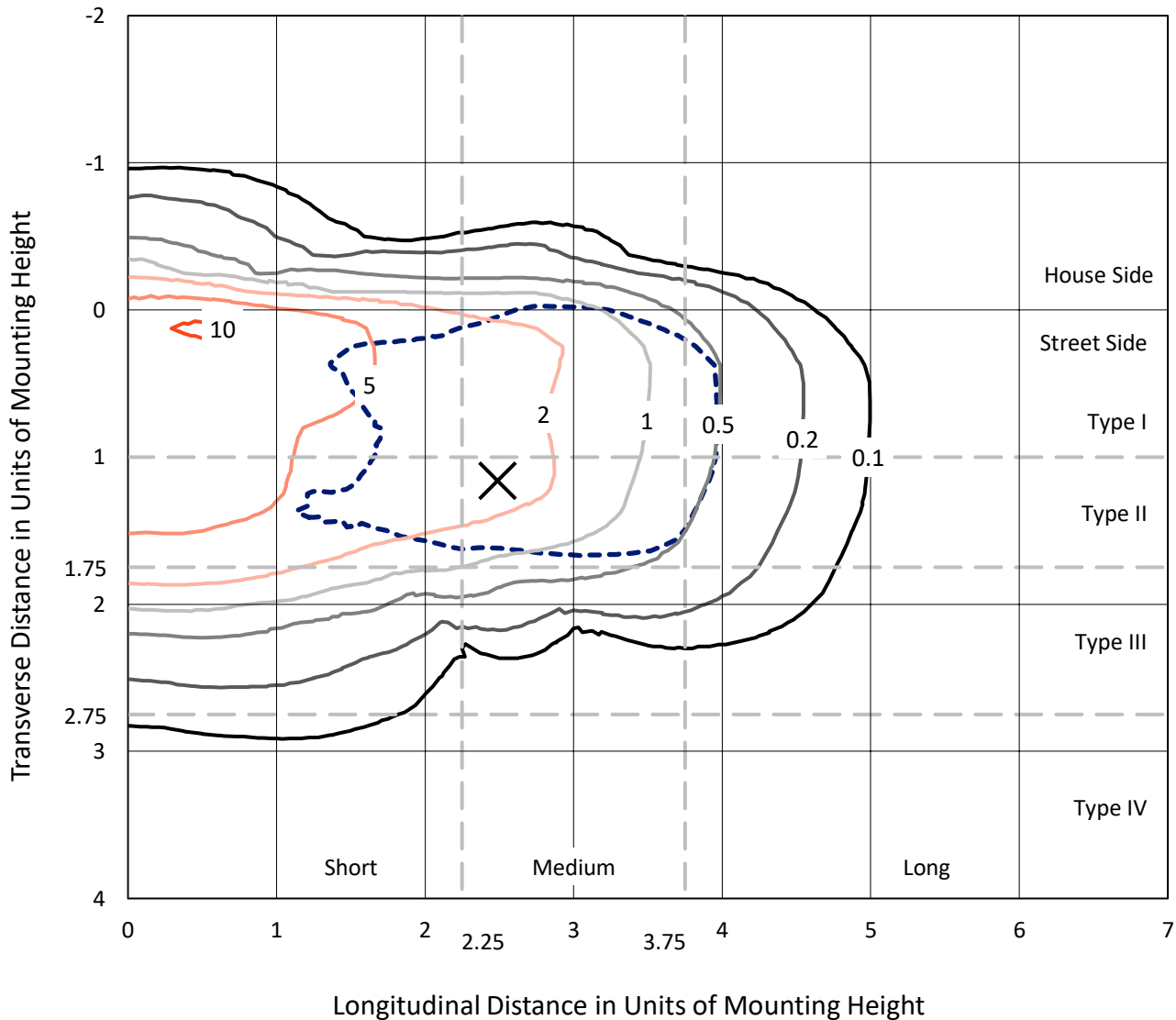
Lumens per Lamp: N/A
Luminaire Lumens: 5864.2 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 160
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

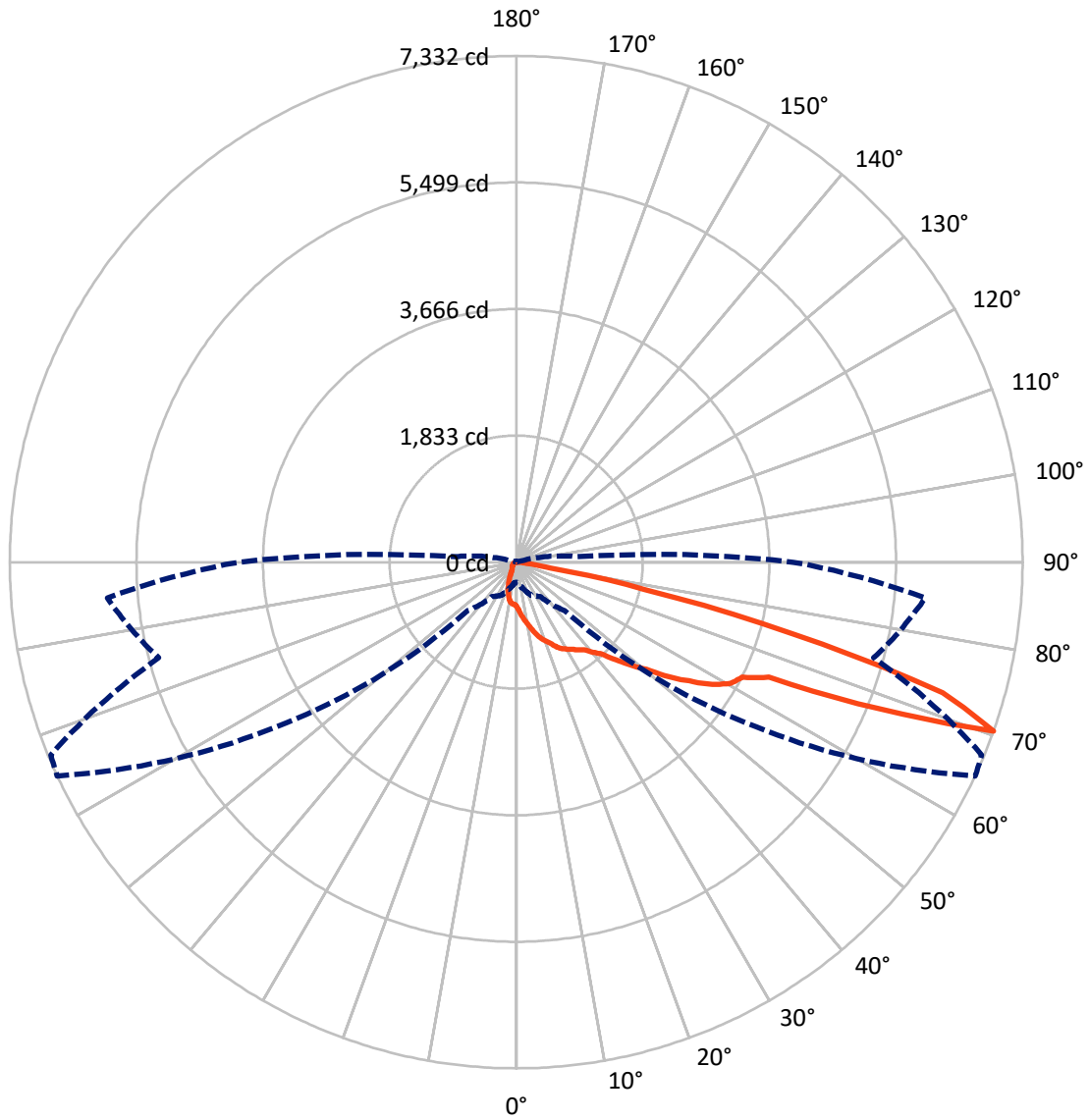
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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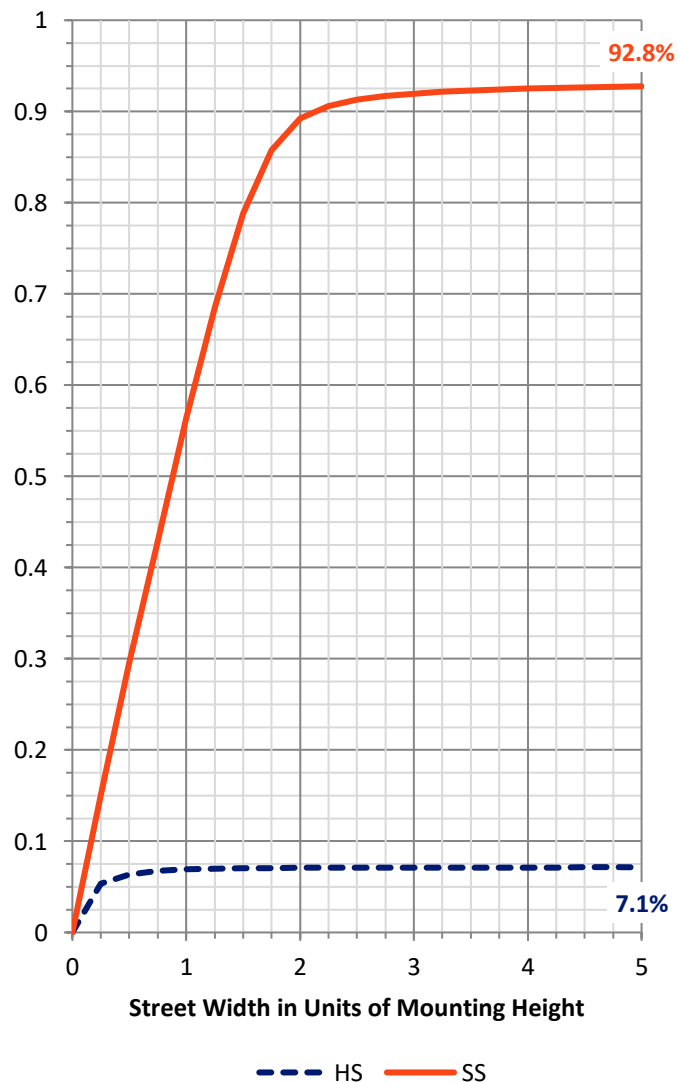
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	420.8	0.0	420.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5443.4	0.0	5443.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	5864.2	0.0	5864.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	1.1
10°-20°	181.4	3.1
20°-30°	300.3	5.1
30°-40°	522.9	8.9
40°-50°	912.1	15.6
50°-60°	1426.4	24.3
60°-70°	1519.5	25.9
70°-80°	899.1	15.3
80°-90°	39.0	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°	5864.2	100.0
0°-180°	5864.2	100.0

Coefficient of Utilization

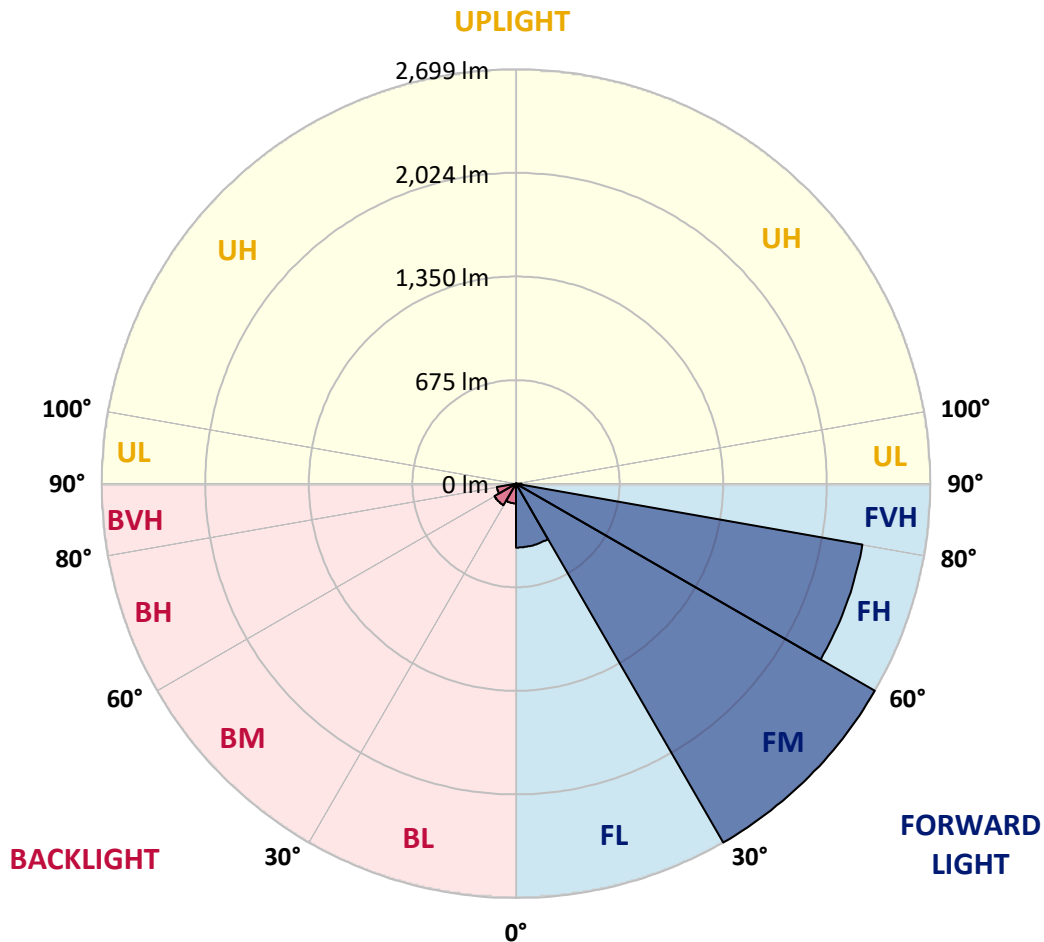


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.5	7.1			
FM (30°-60°)	2699.2	46.0			
FH (60°-80°)	2291.3	39.1			G2/5000
FVH (80°-90°)	36.4	0.6			G1/100
BL (0°-30°)	128.8	2.2	B1/500		
BM (30°-60°)	162.1	2.8	B0/220		
BH (60°-80°)	127.3	2.2	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-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°	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3
2.5°	730.1	737.9	734.0	730.1	722.4	722.4	710.8	691.5	687.6	683.8	664.5
5°	799.7	788.1	795.8	795.8	803.5	799.7	780.4	764.9	753.3	737.9	703.1
7.5°	795.8	795.8	803.5	815.1	826.7	842.2	849.9	842.2	826.7	803.5	757.2
10°	799.7	803.5	803.5	830.6	861.5	876.9	911.7	911.7	904.0	884.7	838.3
12.5°	784.2	795.8	819.0	849.9	888.5	915.6	961.9	989.0	992.8	965.8	911.7
15°	741.7	757.2	784.2	834.4	900.1	958.1	1019.9	1085.6	1093.3	1081.7	989.0
17.5°	695.4	699.2	726.3	784.2	873.1	973.5	1085.6	1159.0	1174.4	1182.1	1085.6
20°	676.1	683.8	699.2	745.6	822.9	961.9	1124.2	1216.9	1243.9	1251.7	1155.1
22.5°	695.4	707.0	703.1	734.0	803.5	931.0	1139.6	1278.7	1305.8	1352.1	1232.4
25°	803.5	811.3	799.7	780.4	792.0	907.8	1135.8	1363.7	1379.2	1456.4	1298.0
27.5°	985.1	1004.4	965.8	915.6	865.4	923.3	1151.2	1417.8	1452.6	1564.6	1367.6
30°	1159.0	1162.8	1151.2	1093.3	981.2	973.5	1174.4	1464.1	1533.7	1668.9	1471.9
32.5°	1286.4	1290.3	1294.2	1263.3	1170.5	1089.4	1193.7	1506.6	1599.4	1753.9	1549.1
35°	1495.1	1498.9	1452.6	1425.5	1356.0	1220.8	1236.2	1560.7	1653.4	1873.6	1649.6
37.5°	1746.2	1804.1	1723.0	1614.8	1518.2	1379.2	1332.8	1610.9	1703.7	2024.3	1777.1
40°	1962.5	2020.4	1950.9	1865.9	1723.0	1560.7	1452.6	1715.3	1796.4	2198.2	1931.6
42.5°	2171.1	2209.7	2198.2	2086.1	1966.4	1811.8	1622.5	1815.7	1912.3	2406.8	2105.4
45°	2333.4	2356.5	2368.1	2298.6	2151.8	2082.3	1869.8	2020.4	2101.6	2657.9	2306.3
47.5°	2480.2	2522.7	2499.5	2480.2	2356.5	2360.4	2101.6	2225.2	2333.4	2897.4	2584.5
50°	2630.8	2650.1	2634.7	2630.8	2542.0	2619.2	2345.0	2441.5	2599.9	3167.8	2812.4
52.5°	2870.3	2843.3	2854.9	2835.6	2750.6	2800.8	2472.4	2758.3	2870.3	3442.1	3152.4
55°	3079.0	3040.3	3163.9	3183.3	3051.9	2881.9	2603.8	3036.5	3163.9	3708.7	3411.2
57.5°	2974.7	3001.7	3260.5	3418.9	3581.2	3140.8	2719.7	3345.5	3465.3	3886.4	3531.0
60°	2526.5	2530.4	2893.5	3287.6	3662.3	3658.4	2959.2	3565.7	3708.7	3940.4	3604.4
62.5°	1556.9	1680.5	2070.7	2719.7	3380.3	3836.1	3573.4	3670.0	3755.0	3921.1	3735.7
65°	749.5	780.4	1054.6	1506.6	2460.8	3581.2	4322.9	4017.7	3878.6	3898.0	3936.6
67.5°	440.4	463.6	606.5	745.6	1159.0	2549.7	4693.8	5686.6	5049.2	4315.2	4608.8
70°	289.7	301.3	397.9	533.1	602.7	989.0	4048.6	7332.3	7293.7	5358.2	5945.4
72.5°	181.6	193.2	266.6	378.6	448.1	390.2	1923.9	6459.2	6868.7	6127.0	6069.1
75°	123.6	127.5	162.3	270.4	332.2	258.8	502.2	4122.0	4705.4	4879.2	4400.2
77.5°	85.0	88.9	108.2	166.1	231.8	177.7	193.2	1904.6	2198.2	2445.4	2113.2
80°	46.4	50.2	77.3	100.4	158.4	115.9	127.5	509.9	602.7	672.2	502.2
82.5°	19.3	23.2	38.6	61.8	108.2	73.4	65.7	146.8	166.1	189.3	104.3
85°	3.9	3.9	19.3	46.4	50.2	34.8	30.9	69.5	85.0	77.3	34.8
87.5°	0.0	0.0	7.7	7.7	15.5	11.6	7.7	15.5	23.2	30.9	7.7
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°	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3
2.5°	656.7	649.0	641.3	614.2	610.4	594.9	575.6	571.8	564.0	556.3	552.4
5°	687.6	676.1	645.2	606.5	583.3	556.3	533.1	521.5	506.1	494.5	486.8
7.5°	741.7	703.1	656.7	594.9	552.4	502.2	463.6	444.3	417.2	405.6	401.8
10°	788.1	749.5	660.6	564.0	490.6	428.8	382.5	336.1	309.1	293.6	285.9
12.5°	853.8	803.5	652.9	513.8	425.0	336.1	274.3	216.3	197.0	181.6	185.4
15°	923.3	849.9	637.4	455.9	347.7	243.4	177.7	146.8	146.8	142.9	142.9
17.5°	981.2	869.2	583.3	397.9	266.6	162.3	135.2	135.2	135.2	131.3	131.3
20°	1058.5	880.8	521.5	332.2	181.6	127.5	119.8	119.8	119.8	112.0	112.0
22.5°	1108.7	873.1	452.0	266.6	127.5	115.9	104.3	100.4	96.6	88.9	88.9
25°	1139.6	846.0	405.6	193.2	115.9	100.4	88.9	85.0	77.3	73.4	73.4
27.5°	1193.7	803.5	359.3	142.9	108.2	92.7	77.3	69.5	65.7	61.8	61.8
30°	1240.1	768.8	305.2	119.8	96.6	81.1	65.7	61.8	57.9	54.1	54.1
32.5°	1290.3	722.4	251.1	115.9	88.9	69.5	57.9	54.1	50.2	50.2	50.2
35°	1305.8	660.6	208.6	108.2	81.1	61.8	54.1	50.2	46.4	46.4	46.4
37.5°	1340.5	618.1	166.1	100.4	73.4	57.9	54.1	46.4	42.5	42.5	38.6
40°	1402.3	575.6	131.3	92.7	69.5	57.9	50.2	42.5	38.6	34.8	34.8
42.5°	1444.8	540.8	119.8	85.0	61.8	54.1	46.4	38.6	34.8	30.9	30.9
45°	1522.1	513.8	112.0	77.3	57.9	50.2	42.5	34.8	27.0	23.2	23.2
47.5°	1661.2	506.1	104.3	69.5	57.9	46.4	38.6	27.0	23.2	19.3	19.3
50°	1769.3	490.6	100.4	65.7	54.1	42.5	30.9	23.2	15.5	15.5	15.5
52.5°	1935.5	490.6	92.7	61.8	50.2	38.6	27.0	19.3	15.5	11.6	11.6
55°	2074.5	502.2	88.9	57.9	46.4	30.9	23.2	15.5	11.6	11.6	7.7
57.5°	2167.2	490.6	85.0	54.1	42.5	27.0	19.3	15.5	11.6	7.7	7.7
60°	2260.0	486.8	77.3	50.2	34.8	23.2	19.3	11.6	7.7	7.7	3.9
62.5°	2345.0	486.8	65.7	42.5	27.0	19.3	15.5	11.6	7.7	3.9	3.9
65°	2549.7	517.7	54.1	34.8	23.2	15.5	11.6	7.7	3.9	3.9	3.9
67.5°	3051.9	660.6	46.4	27.0	19.3	15.5	11.6	7.7	3.9	0.0	0.0
70°	4017.7	888.5	38.6	23.2	15.5	11.6	7.7	3.9	0.0	0.0	0.0
72.5°	3805.2	679.9	30.9	19.3	15.5	11.6	7.7	3.9	0.0	0.0	0.0
75°	2619.2	266.6	23.2	15.5	11.6	7.7	3.9	3.9	0.0	0.0	0.0
77.5°	1170.5	81.1	19.3	11.6	7.7	3.9	3.9	3.9	0.0	0.0	0.0
80°	220.2	34.8	11.6	11.6	7.7	3.9	3.9	0.0	0.0	0.0	0.0
82.5°	50.2	23.2	11.6	7.7	7.7	3.9	3.9	0.0	0.0	0.0	0.0
85°	23.2	11.6	7.7	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	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)