

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: P565259

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T2**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565259
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-T2
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T2 distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

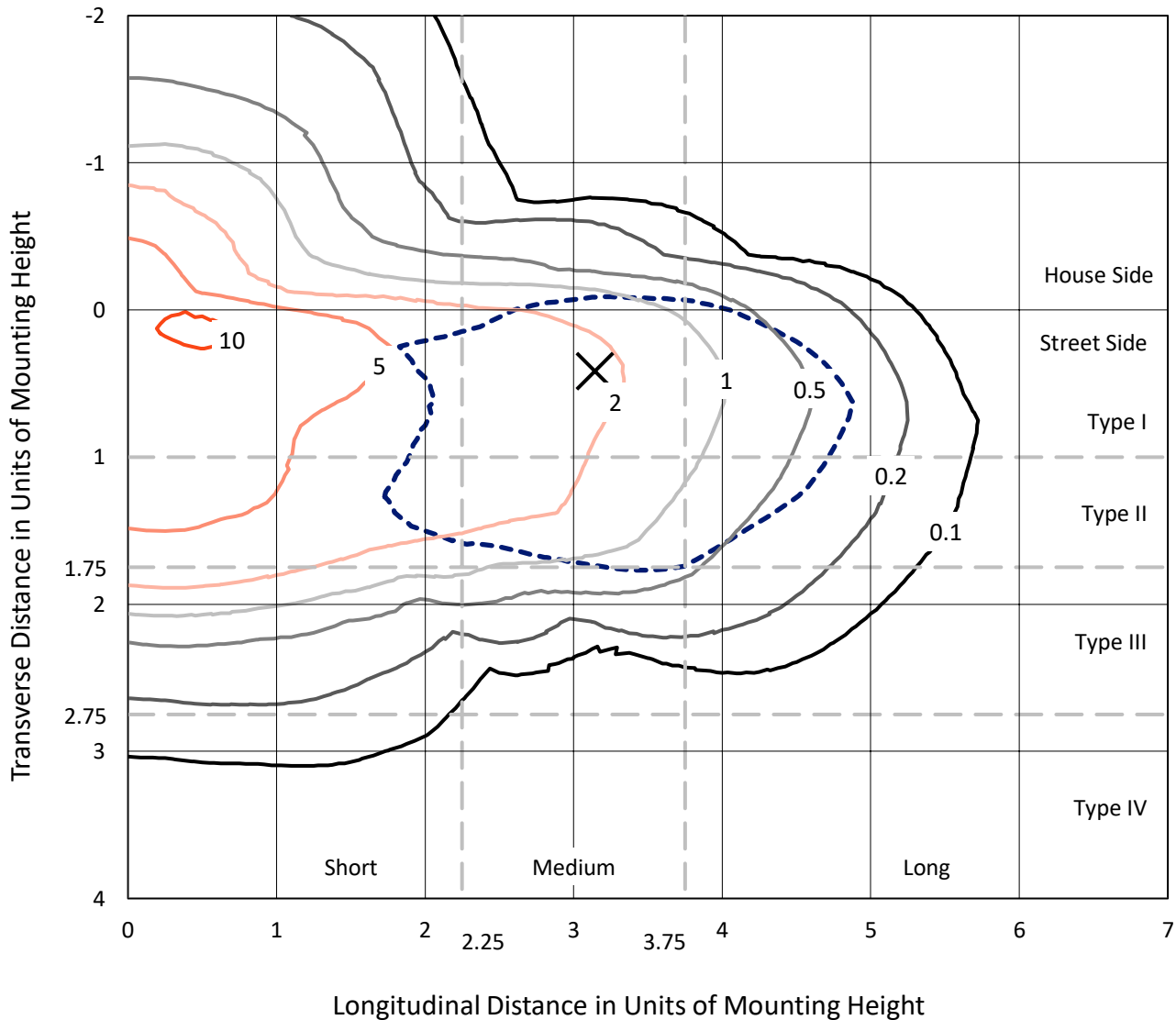
Lumens per Lamp: N/A
Luminaire Lumens: 7429.9 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5
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

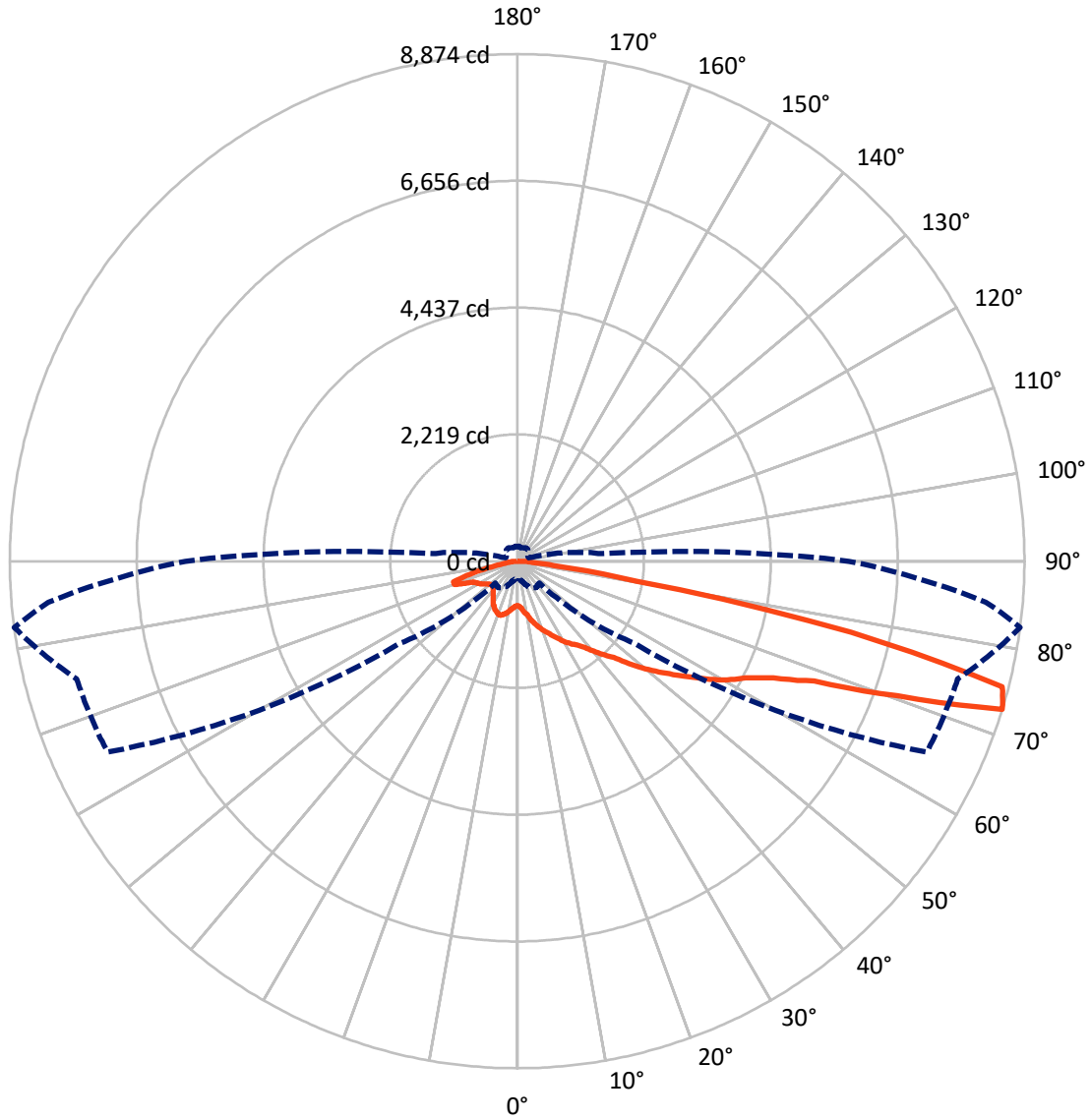
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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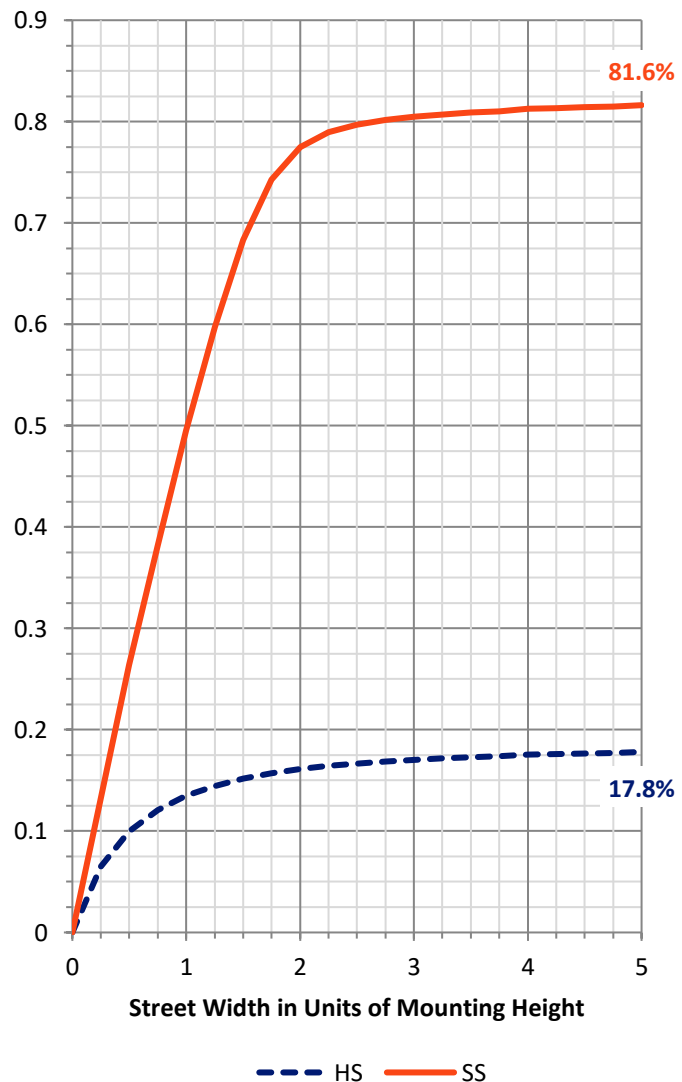
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.1	0.0	1347.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6082.8	0.0	6082.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	7429.9	0.0	7429.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.1
10°-20°	261.5	3.5
20°-30°	446.1	6.0
30°-40°	666.0	9.0
40°-50°	1040.5	14.0
50°-60°	1532.7	20.6
60°-70°	1786.5	24.0
70°-80°	1452.7	19.6
80°-90°	163.7	2.2
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°	7429.9	100.0
0°-180°	7429.9	100.0

Coefficient of Utilization

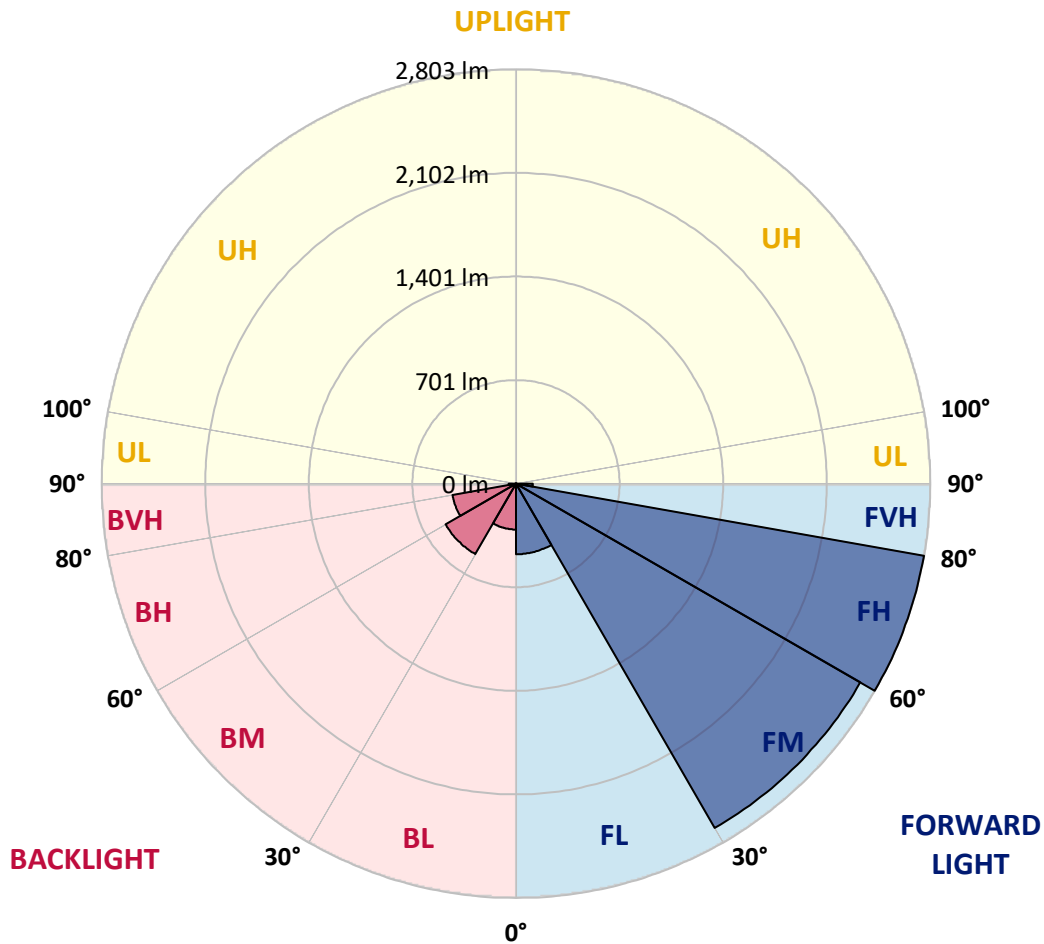


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.5	6.4			
FM (30°-60°)	2689.1	36.2			
FH (60°-80°)	2802.6	37.7			G2/5000
FVH (80°-90°)	113.6	1.5			G2/225
BL (0°-30°)	310.4	4.2	B1/500		
BM (30°-60°)	550.1	7.4	B1/1000		
BH (60°-80°)	436.5	5.9	B1/500		G1/500
BVH (80°-90°)	50.1	0.7			G1/100
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°	75°	82.5°	85°
0°	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1
2.5°	836.3	843.7	840.0	836.3	836.3	828.9	821.5	817.8	810.4	795.6	799.3
5°	880.7	888.1	895.5	888.1	891.8	891.8	888.1	862.2	847.4	832.6	832.6
7.5°	884.4	891.8	899.2	917.7	928.8	936.2	943.6	932.5	902.9	899.2	888.1
10°	914.0	914.0	917.7	936.2	962.2	980.7	1014.0	1014.0	977.0	951.1	958.5
12.5°	932.5	925.1	943.6	962.2	991.8	1028.8	1069.5	1073.2	1062.1	1047.3	1036.2
15°	895.5	899.2	921.4	958.5	1036.2	1073.2	1128.7	1162.0	1165.7	1125.0	1102.8
17.5°	873.3	880.7	906.6	939.9	1014.0	1099.1	1187.9	1258.2	1265.6	1206.4	1199.0
20°	895.5	895.5	899.2	943.6	1014.0	1110.2	1232.3	1310.0	1365.5	1287.8	1269.3
22.5°	943.6	939.9	951.1	962.2	1010.3	1113.9	1269.3	1372.9	1424.7	1361.8	1321.1
25°	1021.4	1036.2	1028.8	1032.5	1062.1	1125.0	1287.8	1443.2	1520.9	1446.9	1395.1
27.5°	1113.9	1121.3	1136.1	1132.4	1136.1	1187.9	1335.9	1517.2	1646.8	1535.7	1465.4
30°	1202.7	1228.6	1236.0	1247.1	1243.4	1254.5	1365.5	1583.9	1739.3	1632.0	1532.0
32.5°	1298.9	1302.6	1354.4	1335.9	1339.6	1350.7	1432.1	1624.6	1820.7	1724.5	1620.9
35°	1480.2	1487.6	1491.3	1469.1	1469.1	1443.2	1520.9	1672.7	1928.0	1798.5	1713.4
37.5°	1709.7	1757.8	1728.2	1617.2	1576.4	1554.2	1569.0	1731.9	2061.2	1920.6	1802.2
40°	1950.2	1953.9	1935.4	1835.5	1731.9	1702.3	1687.5	1820.7	2187.0	2072.3	1953.9
42.5°	2127.8	2142.6	2153.7	2053.8	1928.0	1879.9	1839.2	1939.1	2383.2	2242.6	2105.6
45°	2246.3	2290.7	2290.7	2257.4	2146.3	2135.2	2009.4	2079.7	2546.0	2423.9	2287.0
47.5°	2383.2	2457.2	2431.3	2394.3	2305.5	2335.1	2153.7	2224.1	2749.5	2708.8	2512.7
50°	2512.7	2564.5	2590.4	2538.6	2479.4	2590.4	2305.5	2383.2	3012.3	2982.7	2697.7
52.5°	2727.3	2782.8	2797.6	2712.5	2649.6	2790.2	2446.1	2568.2	3238.0	3256.5	2930.9
55°	2897.6	2964.2	3071.5	2997.5	2982.7	2827.2	2549.7	2805.0	3467.4	3556.3	3238.0
57.5°	2842.0	2945.7	3134.4	3238.0	3397.1	3108.5	2664.4	3112.2	3671.0	3885.6	3526.7
60°	2486.8	2579.3	2816.1	3178.8	3515.6	3552.6	2949.4	3330.5	3893.0	4222.4	3789.4
62.5°	1709.7	1839.2	2187.0	2745.8	3352.7	3796.8	3659.9	3656.2	4096.5	4488.8	4118.8
65°	917.7	1006.6	1210.1	1669.0	2605.2	3726.5	4462.9	4307.5	4318.6	4925.5	4492.5
67.5°	551.4	584.7	714.2	943.6	1380.3	2805.0	4955.1	6050.5	4866.3	5602.7	5103.1
70°	403.4	414.5	518.1	662.4	743.8	1265.6	4529.5	7593.6	6268.8	7053.3	6653.7
72.5°	292.3	303.4	373.8	499.6	569.9	544.0	2523.8	7904.4	7974.8	8874.0	8233.8
75°	229.4	233.1	266.4	381.2	451.5	381.2	784.5	6024.6	7960.0	8766.7	8059.9
77.5°	185.0	185.0	207.2	281.2	351.6	296.0	351.6	3027.1	5036.5	5972.7	5280.7
80°	148.0	151.7	162.8	185.0	251.6	214.6	259.0	958.5	2002.0	2120.4	1724.5
82.5°	118.4	118.4	125.8	133.2	185.0	144.3	173.9	421.9	754.9	640.2	503.3
85°	59.2	59.2	118.4	107.3	114.7	92.5	92.5	277.5	399.7	262.7	207.2
87.5°	14.8	14.8	29.6	44.4	55.5	40.7	37.0	107.3	181.3	103.6	70.3
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°	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1
2.5°	799.3	788.2	780.8	777.1	769.7	762.3	754.9	751.2	754.9	751.2	740.1
5°	828.9	817.8	810.4	795.6	777.1	769.7	769.7	766.0	758.6	754.9	751.2
7.5°	869.6	854.8	828.9	803.0	791.9	769.7	758.6	754.9	754.9	743.8	743.8
10°	928.8	902.9	854.8	810.4	780.8	751.2	743.8	740.1	743.8	732.7	747.5
12.5°	999.2	954.8	865.9	788.2	751.2	740.1	747.5	754.9	766.0	762.3	766.0
15°	1058.4	1002.9	851.1	751.2	732.7	743.8	758.6	769.7	784.5	784.5	777.1
17.5°	1128.7	1047.3	821.5	721.6	714.2	732.7	758.6	773.4	780.8	788.2	795.6
20°	1187.9	1058.4	777.1	684.6	699.4	714.2	736.4	766.0	780.8	791.9	795.6
22.5°	1228.6	1032.5	717.9	647.6	662.4	662.4	692.0	732.7	766.0	784.5	777.1
25°	1261.9	1028.8	658.7	618.0	621.7	614.3	643.9	684.6	710.5	732.7	729.0
27.5°	1313.7	973.3	618.0	581.0	562.5	569.9	599.5	621.7	629.1	640.2	651.3
30°	1332.2	947.3	577.3	529.2	518.1	521.8	536.6	544.0	540.3	532.9	547.7
32.5°	1365.5	873.3	536.6	488.5	481.1	484.8	484.8	481.1	477.4	466.3	473.7
35°	1398.8	821.5	510.7	462.6	458.9	462.6	455.2	447.8	436.7	425.6	429.3
37.5°	1424.7	766.0	484.8	444.1	451.5	444.1	436.7	429.3	436.7	418.2	418.2
40°	1458.0	729.0	458.9	433.0	444.1	440.4	421.9	418.2	473.7	481.1	484.8
42.5°	1491.3	684.6	429.3	436.7	436.7	429.3	410.8	403.4	466.3	429.3	429.3
45°	1561.6	677.2	418.2	429.3	433.0	421.9	414.5	407.1	418.2	370.1	370.1
47.5°	1661.6	673.5	421.9	418.2	421.9	425.6	418.2	392.3	381.2	336.8	333.1
50°	1780.0	692.0	425.6	403.4	418.2	421.9	396.0	370.1	355.3	333.1	329.4
52.5°	1939.1	717.9	436.7	388.6	407.1	407.1	384.9	362.7	340.5	325.7	322.0
55°	2127.8	769.7	433.0	362.7	381.2	399.7	381.2	344.2	336.8	329.4	329.4
57.5°	2346.2	836.3	429.3	340.5	359.0	388.6	370.1	340.5	325.7	325.7	325.7
60°	2553.4	891.8	410.8	307.1	336.8	381.2	362.7	336.8	318.3	318.3	314.5
62.5°	2760.6	951.1	373.8	284.9	310.8	359.0	351.6	322.0	303.4	314.5	310.8
65°	3064.1	1021.4	322.0	259.0	288.6	340.5	336.8	307.1	288.6	314.5	314.5
67.5°	3674.7	1224.9	273.8	244.2	266.4	318.3	318.3	292.3	277.5	314.5	307.1
70°	4862.6	1476.5	244.2	229.4	247.9	292.3	299.7	277.5	262.7	299.7	284.9
72.5°	5806.2	1491.3	214.6	207.2	225.7	270.1	277.5	262.7	244.2	262.7	251.6
75°	5299.2	1084.3	188.7	185.0	196.1	240.5	255.3	244.2	218.3	225.7	218.3
77.5°	3230.6	643.9	162.8	162.8	170.2	214.6	222.0	210.9	192.4	192.4	185.0
80°	943.6	273.8	136.9	136.9	140.6	181.3	185.0	177.6	159.1	155.4	155.4
82.5°	303.4	166.5	114.7	107.3	103.6	148.0	162.8	151.7	133.2	125.8	122.1
85°	148.0	103.6	81.4	74.0	74.0	118.4	122.1	99.9	81.4	74.0	74.0
87.5°	48.1	44.4	40.7	29.6	29.6	55.5	59.2	44.4	37.0	29.6	29.6
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)