

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: P565378

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T3-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565378
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-T3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

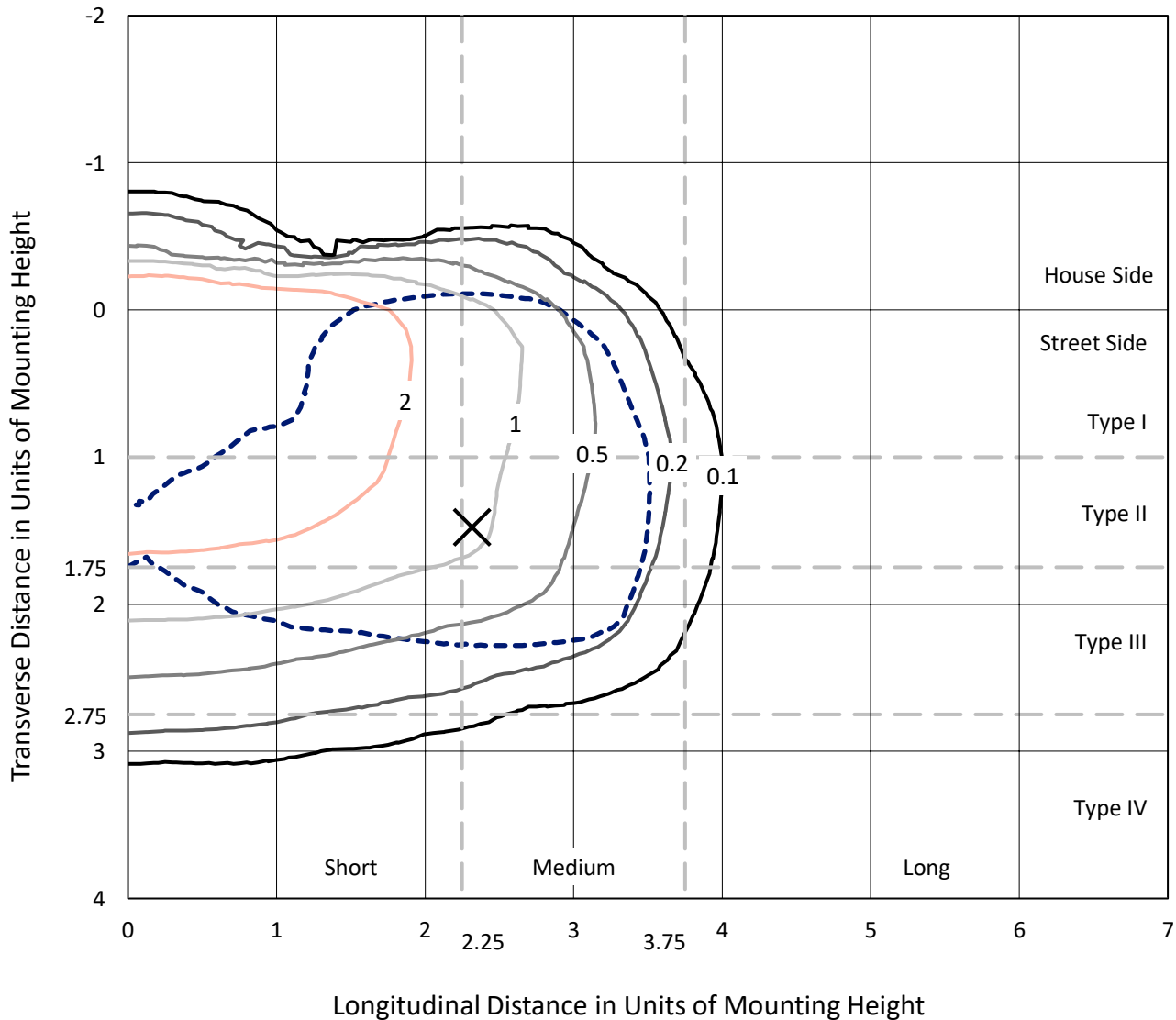
Lumens per Lamp: N/A
Luminaire Lumens: 3257.2 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 83
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

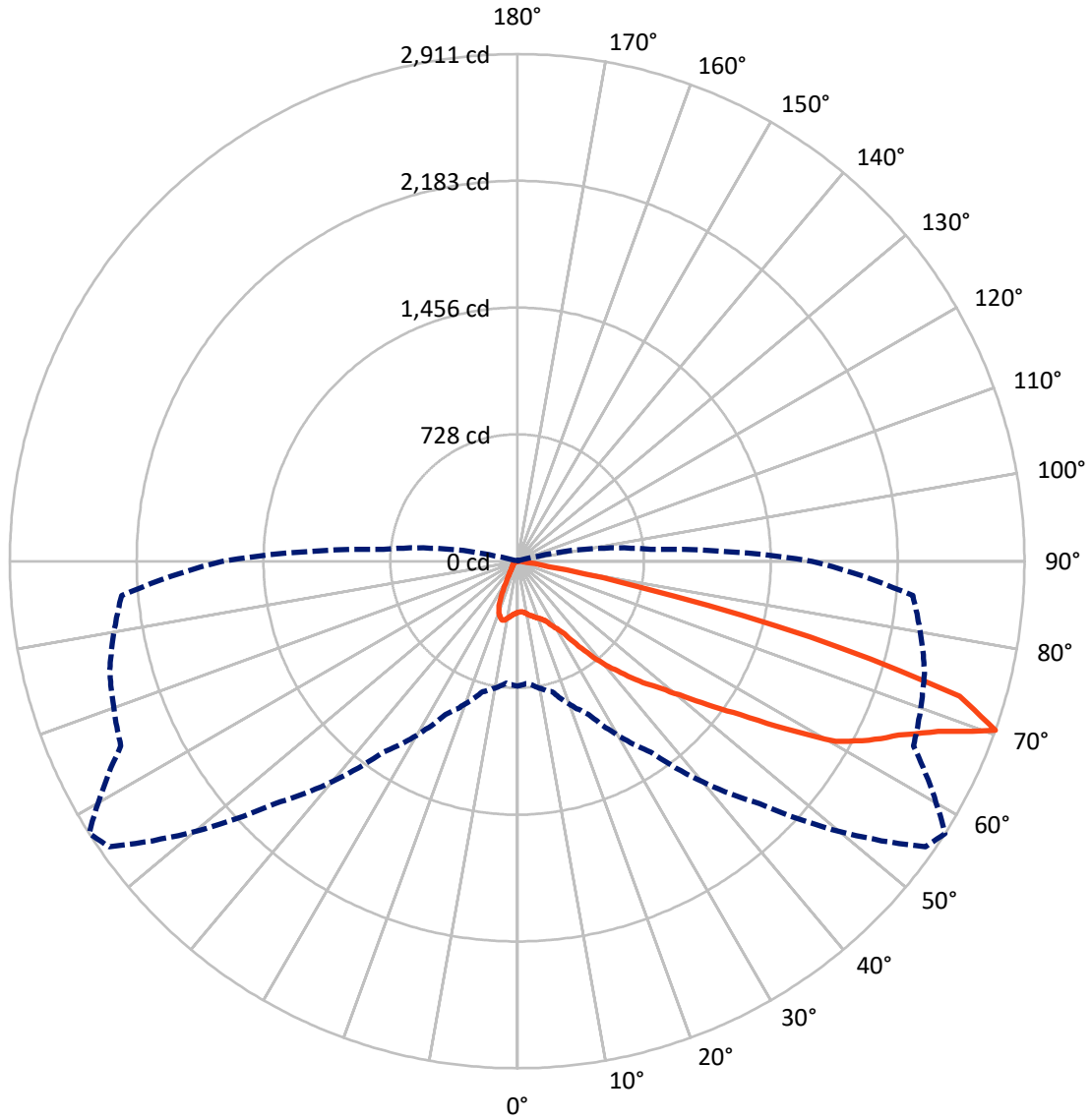
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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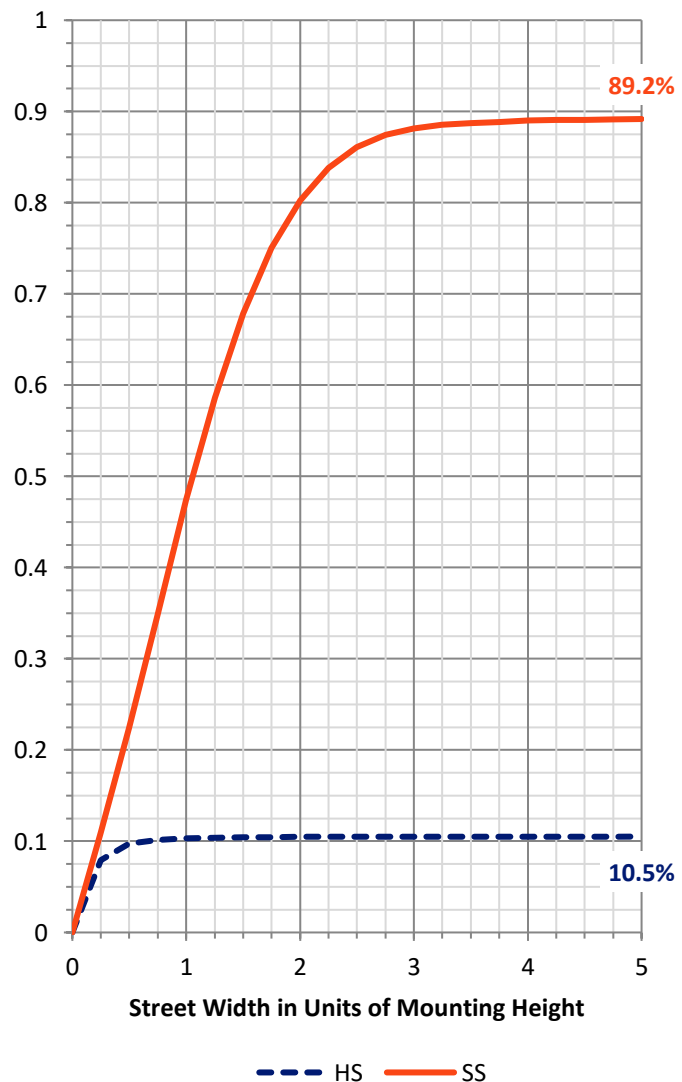
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.2	0.0	346.2
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	2911.0	0.0	2911.0
	% Fixture	89.4	0.0	89.4
Total	Lumens	3257.2	0.0	3257.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.9
10°-20°	85.6	2.6
20°-30°	151.4	4.6
30°-40°	273.7	8.4
40°-50°	477.2	14.6
50°-60°	782.5	24.0
60°-70°	1004.0	30.8
70°-80°	440.5	13.5
80°-90°	13.7	0.4
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°	3257.2	100.0
0°-180°	3257.2	100.0

Coefficient of Utilization

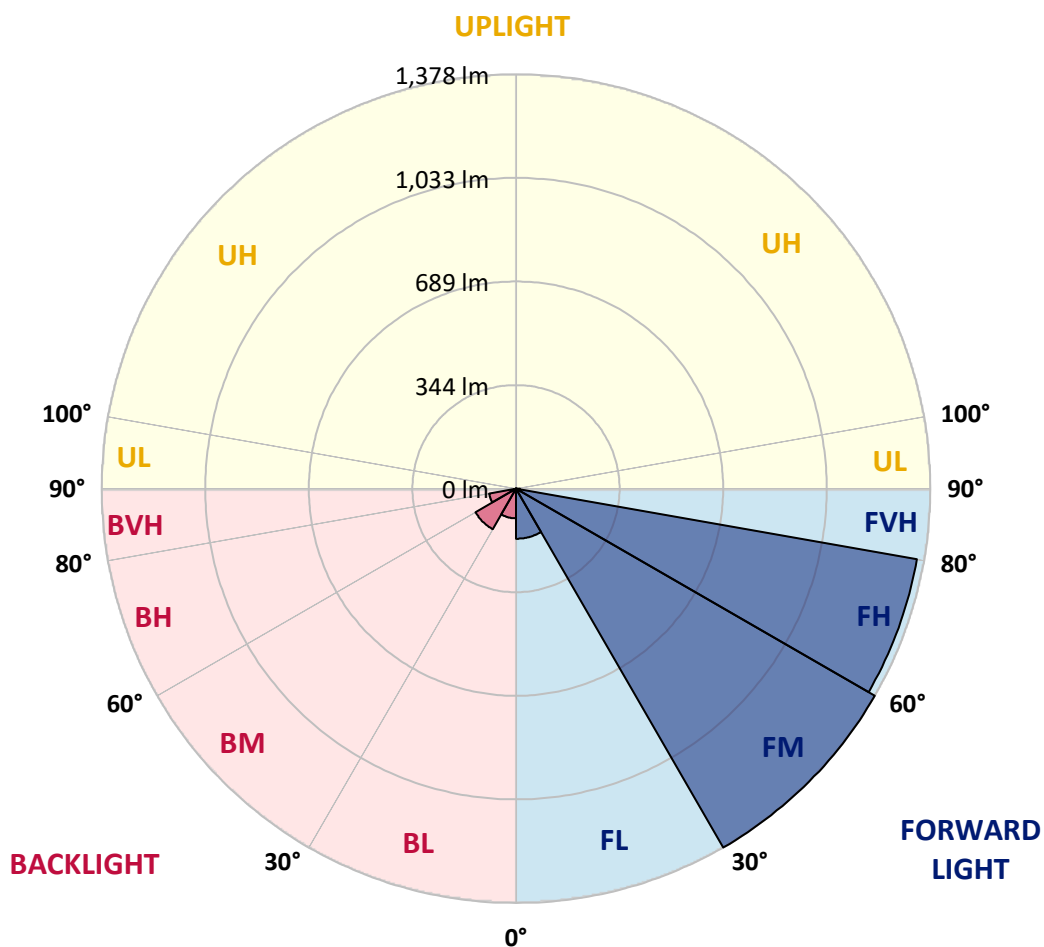


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.7	5.1			
FM (30°-60°)	1377.8	42.3			
FH (60°-80°)	1353.7	41.6			G1/1800
FVH (80°-90°)	12.8	0.4			G1/100
BL (0°-30°)	98.9	3.0	B0/110		
BM (30°-60°)	155.6	4.8	B0/220		
BH (60°-80°)	90.8	2.8	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3
2.5°	277.8	282.0	284.0	284.0	282.0	286.1	286.1	292.3	290.3	294.4	298.6
5°	273.7	271.6	275.8	277.8	282.0	286.1	292.3	292.3	296.5	298.6	302.7
7.5°	265.4	263.3	263.3	271.6	279.9	290.3	298.6	296.5	304.8	313.1	323.4
10°	263.3	265.4	265.4	269.5	277.8	286.1	302.7	306.9	321.4	335.9	346.2
12.5°	273.7	269.5	271.6	273.7	279.9	292.3	311.0	319.3	338.0	356.6	369.1
15°	279.9	277.8	279.9	282.0	286.1	294.4	321.4	327.6	352.5	381.5	400.2
17.5°	304.8	300.6	296.5	290.3	290.3	300.6	329.7	340.0	375.3	404.3	416.7
20°	356.6	352.5	340.0	321.4	308.9	308.9	333.8	348.3	385.6	429.2	439.5
22.5°	441.6	443.7	423.0	377.3	344.2	329.7	350.4	362.8	406.4	452.0	462.4
25°	541.1	537.0	518.3	462.4	406.4	364.9	369.1	379.4	427.1	483.1	485.2
27.5°	615.8	624.1	605.4	559.8	489.3	416.7	406.4	414.7	460.3	510.0	512.1
30°	694.6	696.6	675.9	642.7	578.5	497.6	452.0	449.9	495.5	547.4	534.9
32.5°	806.5	796.2	765.1	719.4	659.3	588.8	508.0	497.6	520.4	578.5	566.0
35°	904.0	906.0	870.8	814.8	754.7	686.3	601.3	582.6	584.7	630.3	611.6
37.5°	993.1	995.2	978.6	924.7	862.5	779.6	696.6	684.2	646.9	707.0	659.3
40°	1053.3	1034.6	1047.0	1024.2	962.0	897.8	823.1	785.8	731.9	756.8	725.7
42.5°	1092.6	1092.6	1121.7	1115.5	1061.5	1034.6	914.3	872.9	814.8	858.4	802.4
45°	1194.2	1183.9	1223.3	1221.2	1188.0	1159.0	1032.5	982.8	912.3	974.5	910.2
47.5°	1291.7	1306.2	1341.4	1335.2	1337.3	1312.4	1123.7	1076.1	1032.5	1117.5	1040.8
50°	1372.5	1385.0	1453.4	1453.4	1484.5	1484.5	1244.0	1206.7	1194.2	1314.5	1175.6
52.5°	1424.4	1424.4	1496.9	1557.1	1625.5	1637.9	1374.6	1366.3	1387.1	1509.4	1358.0
55°	1472.1	1459.6	1546.7	1611.0	1747.8	1783.1	1575.7	1552.9	1623.4	1743.7	1513.5
57.5°	1463.8	1451.3	1548.8	1650.4	1822.5	1917.8	1822.5	1814.2	1845.3	1919.9	1637.9
60°	1436.8	1418.2	1513.5	1656.6	1888.8	2071.3	2087.8	2100.3	2025.6	2011.1	1807.9
62.5°	1349.7	1366.3	1457.6	1633.8	1959.3	2148.0	2280.7	2264.1	2164.6	2102.4	2009.1
65°	1258.5	1254.4	1372.5	1575.7	1922.0	2197.7	2407.1	2407.1	2253.7	2210.2	2222.6
67.5°	1063.6	1057.4	1165.2	1362.2	1731.2	2152.1	2672.5	2606.2	2400.9	2363.6	2378.1
70°	717.4	702.9	777.5	970.3	1339.4	1967.6	2859.1	2911.0	2508.7	2419.6	2278.6
72.5°	250.9	250.9	369.1	472.7	808.6	1494.9	2620.7	2655.9	2324.2	2127.2	1579.9
75°	78.8	78.8	122.3	180.4	308.9	667.6	1623.4	1735.4	1582.0	1291.7	605.4
77.5°	35.2	33.2	47.7	62.2	95.4	141.0	636.5	717.4	655.2	398.1	136.8
80°	20.7	22.8	29.0	39.4	56.0	51.8	149.3	182.5	178.3	101.6	39.4
82.5°	12.4	14.5	20.7	27.0	35.2	24.9	45.6	51.8	62.2	47.7	20.7
85°	6.2	6.2	12.4	20.7	18.7	12.4	18.7	20.7	27.0	29.0	10.4
87.5°	0.0	0.0	6.2	10.4	6.2	4.1	4.1	6.2	8.3	14.5	4.1
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°	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3
2.5°	296.5	298.6	300.6	300.6	302.7	300.6	300.6	300.6	294.4	298.6	296.5
5°	306.9	306.9	308.9	311.0	304.8	302.7	302.7	300.6	294.4	294.4	296.5
7.5°	323.4	327.6	327.6	325.5	317.2	311.0	304.8	296.5	294.4	294.4	290.3
10°	350.4	350.4	346.2	342.1	327.6	319.3	302.7	286.1	277.8	275.8	271.6
12.5°	371.1	373.2	371.1	358.7	342.1	313.1	282.0	265.4	255.0	244.7	242.6
15°	393.9	398.1	393.9	379.4	340.0	292.3	257.1	219.8	188.7	172.1	167.9
17.5°	418.8	420.9	414.7	377.3	319.3	265.4	197.0	134.8	105.7	91.2	91.2
20°	439.5	433.3	427.1	367.0	298.6	199.0	118.2	78.8	72.6	70.5	70.5
22.5°	454.1	452.0	427.1	352.5	248.8	122.3	74.6	70.5	70.5	68.4	68.4
25°	474.8	468.6	425.0	323.4	176.2	76.7	68.4	68.4	66.3	64.3	64.3
27.5°	501.7	487.2	420.9	296.5	103.7	64.3	64.3	64.3	58.1	56.0	56.0
30°	522.5	499.7	408.4	232.2	64.3	58.1	58.1	56.0	49.8	45.6	43.5
32.5°	539.1	512.1	402.2	157.6	56.0	53.9	49.8	45.6	39.4	35.2	35.2
35°	580.5	545.3	400.2	93.3	53.9	47.7	41.5	35.2	31.1	29.0	27.0
37.5°	619.9	584.7	385.6	60.1	49.8	43.5	35.2	29.0	24.9	22.8	22.8
40°	678.0	626.1	354.5	51.8	45.6	37.3	29.0	22.8	20.7	18.7	18.7
42.5°	754.7	675.9	294.4	45.6	39.4	33.2	22.8	18.7	16.6	14.5	14.5
45°	843.8	738.1	201.1	43.5	37.3	27.0	20.7	16.6	14.5	12.4	12.4
47.5°	951.7	796.2	124.4	39.4	31.1	22.8	16.6	12.4	10.4	8.3	8.3
50°	1084.4	864.6	76.7	35.2	27.0	18.7	14.5	10.4	8.3	6.2	6.2
52.5°	1217.0	941.3	56.0	31.1	24.9	16.6	12.4	8.3	6.2	6.2	6.2
55°	1339.4	997.3	45.6	29.0	20.7	14.5	10.4	8.3	6.2	4.1	4.1
57.5°	1476.2	1034.6	39.4	24.9	18.7	12.4	10.4	6.2	6.2	4.1	4.1
60°	1631.7	1059.5	33.2	22.8	14.5	10.4	8.3	6.2	4.1	4.1	2.1
62.5°	1789.3	1074.0	27.0	18.7	12.4	8.3	6.2	6.2	4.1	2.1	2.1
65°	1909.5	1076.1	20.7	14.5	10.4	8.3	6.2	4.1	2.1	2.1	0.0
67.5°	1919.9	986.9	18.7	12.4	8.3	6.2	4.1	4.1	2.1	0.0	0.0
70°	1693.9	769.2	14.5	10.4	6.2	4.1	4.1	2.1	0.0	0.0	0.0
72.5°	1034.6	393.9	12.4	8.3	6.2	4.1	2.1	2.1	0.0	0.0	0.0
75°	346.2	95.4	10.4	6.2	4.1	4.1	2.1	2.1	0.0	0.0	0.0
77.5°	74.6	29.0	8.3	6.2	4.1	2.1	2.1	0.0	0.0	0.0	0.0
80°	27.0	14.5	6.2	4.1	4.1	2.1	2.1	0.0	0.0	0.0	0.0
82.5°	12.4	8.3	6.2	4.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
85°	6.2	4.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	0.0	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)