

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: P565372

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T2R-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565372
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-T2R-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2R distribution lens and House Side Shield
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

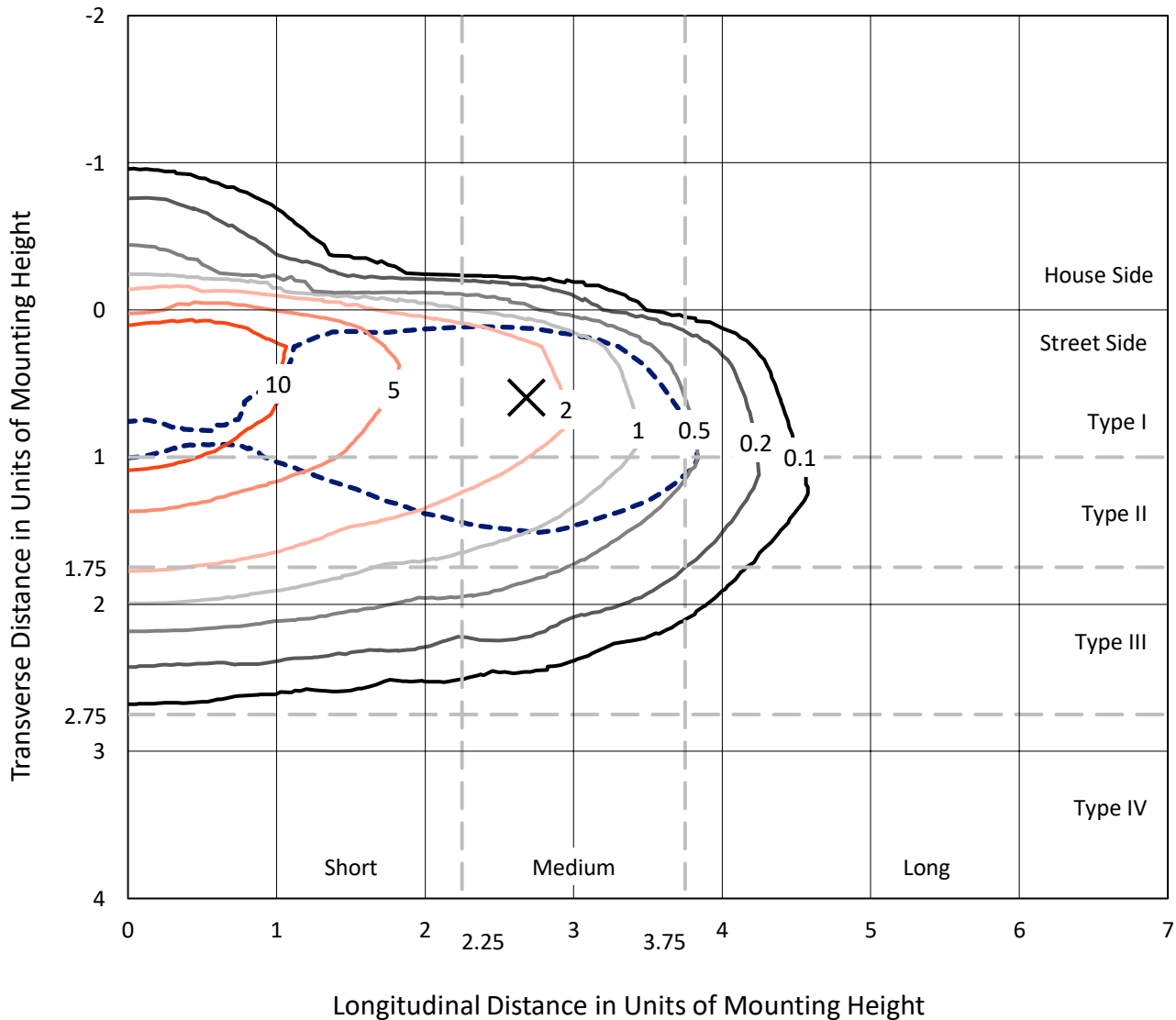
Lumens per Lamp: N/A
Luminaire Lumens: 6401.6 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G2

Input Watts (W): 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

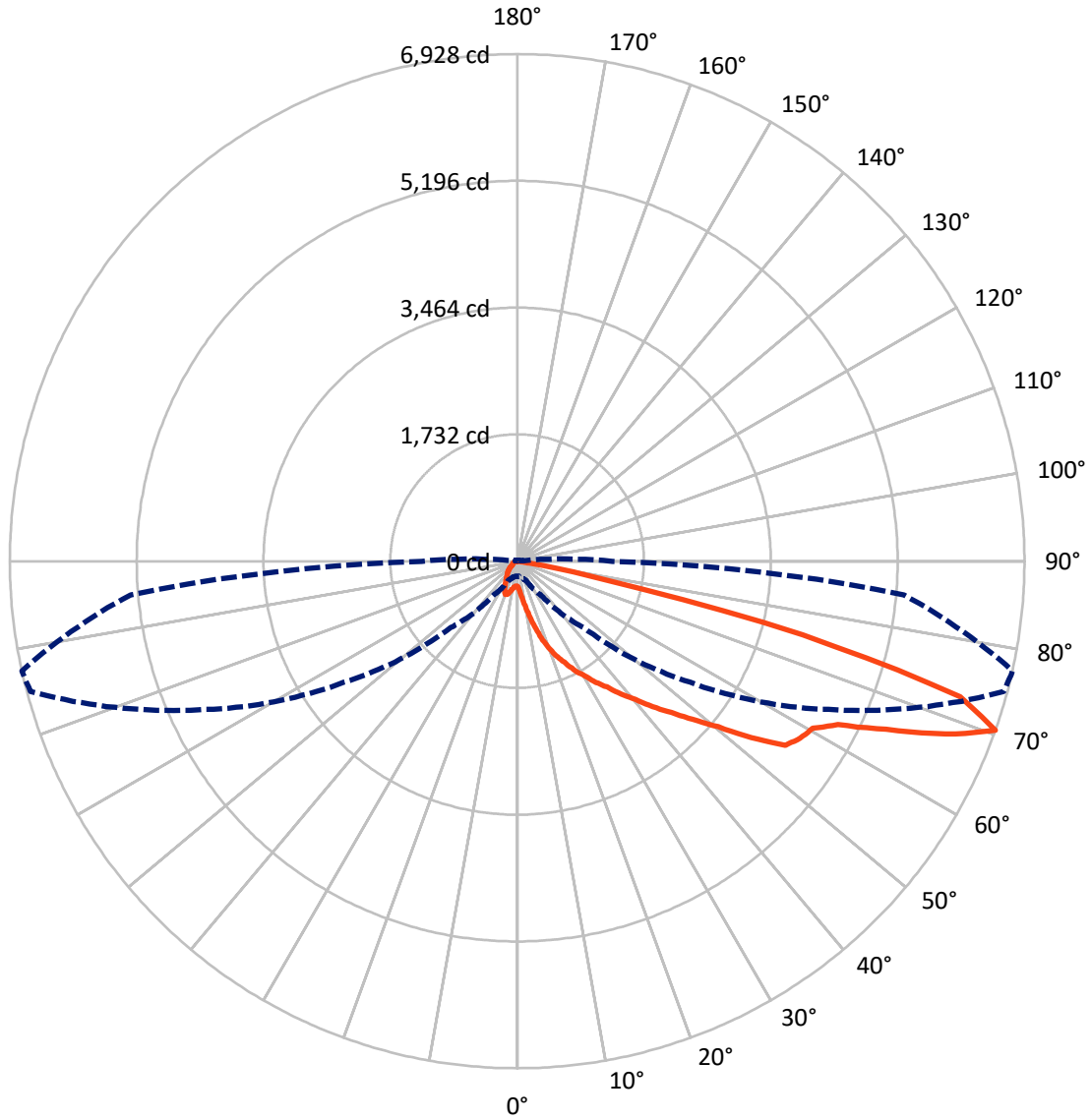
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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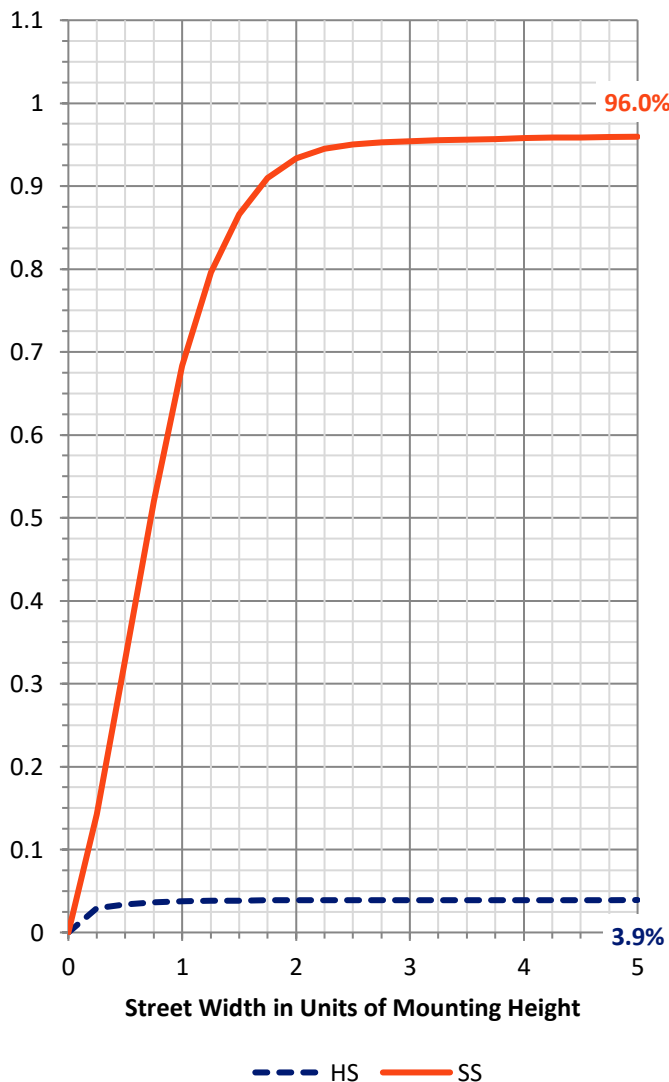
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	251.7	0.0	251.7
	% Fixture	3.9	0.0	3.9
Street Side	Lumens	6149.9	0.0	6149.9
	% Fixture	96.1	0.0	96.1
Total	Lumens	6401.6	0.0	6401.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	0.8
10°-20°	234.2	3.7
20°-30°	465.1	7.3
30°-40°	854.4	13.3
40°-50°	1263.6	19.7
50°-60°	1480.2	23.1
60°-70°	1386.8	21.7
70°-80°	644.1	10.1
80°-90°	20.4	0.3
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°	6401.6	100.0
0°-180°	6401.6	100.0

Coefficient of Utilization

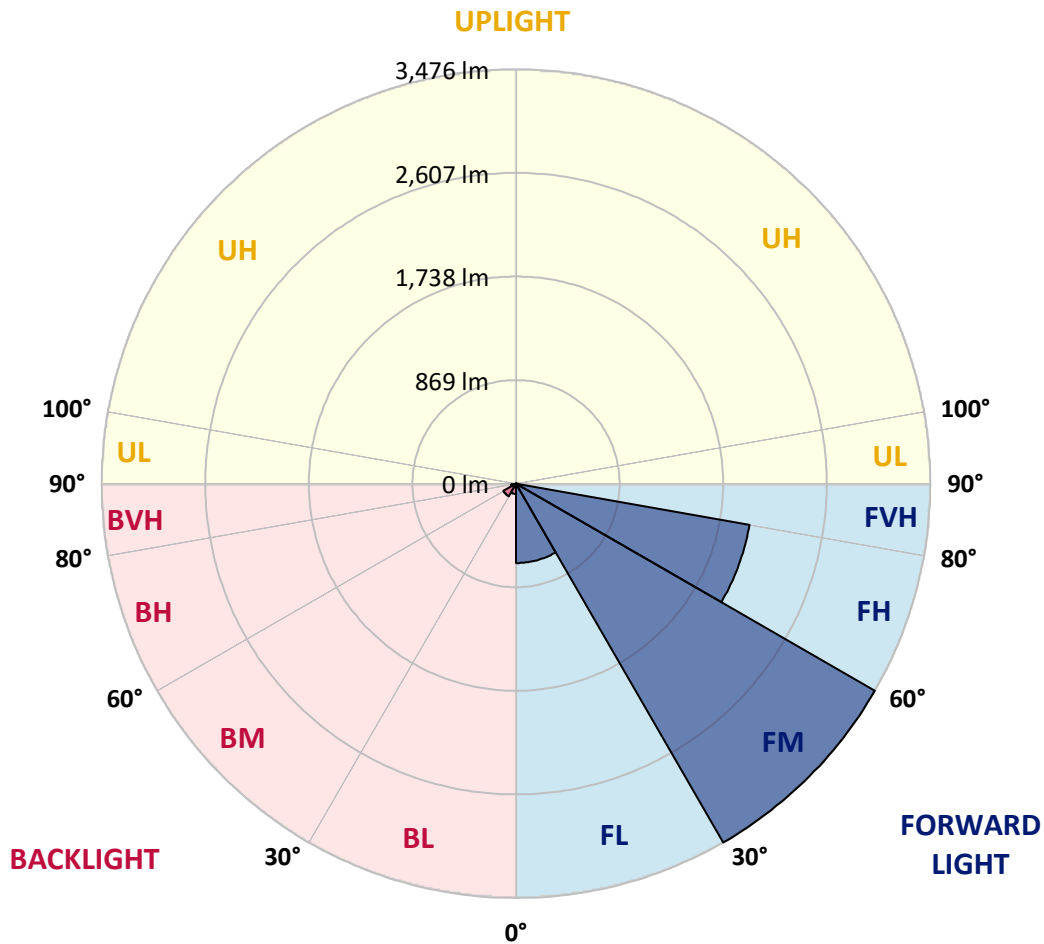


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.0	10.4			
FM (30°-60°)	3476.0	54.3			
FH (60°-80°)	1989.4	31.1			G2/5000
FVH (80°-90°)	18.5	0.3			G1/100
BL (0°-30°)	86.1	1.3	B0/110		
BM (30°-60°)	122.2	1.9	B0/220		
BH (60°-80°)	41.6	0.6	B0/110		G0/110
BVH (80°-90°)	1.9	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-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3
2.5°	526.6	503.2	499.3	487.6	475.9	448.6	425.2	394.0	370.6	362.8	358.9
5°	920.6	897.2	869.9	823.1	780.2	678.8	604.7	514.9	436.9	425.2	390.1
7.5°	1201.5	1174.2	1166.4	1119.6	1115.7	1022.1	869.9	698.3	546.1	522.7	436.9
10°	1373.1	1361.4	1361.4	1341.9	1322.4	1283.4	1162.5	955.7	682.7	639.8	514.9
12.5°	1521.4	1498.0	1521.4	1521.4	1548.7	1466.8	1357.5	1185.9	854.3	780.2	596.9
15°	1615.0	1607.2	1638.4	1673.5	1696.9	1657.9	1537.0	1365.3	1068.9	963.5	713.9
17.5°	1583.8	1611.1	1657.9	1735.9	1821.8	1825.7	1743.7	1517.5	1252.2	1131.3	811.4
20°	1548.7	1544.8	1634.5	1696.9	1825.7	1934.9	1899.8	1693.0	1396.6	1291.2	940.1
22.5°	1556.5	1568.2	1654.0	1696.9	1825.7	1977.8	2012.9	1833.5	1517.5	1423.9	1057.2
25°	1747.6	1735.9	1755.4	1790.6	1872.5	2001.2	2090.9	1977.8	1650.1	1548.7	1201.5
27.5°	2075.3	2071.4	2036.3	1954.4	1962.2	2071.4	2133.8	2102.6	1790.6	1700.8	1318.5
30°	2668.3	2609.8	2520.0	2305.5	2129.9	2153.3	2192.4	2169.0	1927.1	1814.0	1439.5
32.5°	2968.7	2945.3	2921.8	2746.3	2367.9	2262.6	2266.5	2208.0	2067.5	1973.9	1540.9
35°	3284.6	3269.0	3136.4	3038.9	2734.6	2465.4	2414.7	2286.0	2250.9	2110.4	1646.2
37.5°	3440.7	3475.8	3405.6	3241.7	3046.7	2793.1	2570.8	2395.2	2399.1	2305.5	1763.2
40°	3585.0	3581.1	3464.1	3393.9	3218.3	3050.6	2797.0	2570.8	2547.3	2484.9	1892.0
42.5°	3592.8	3616.2	3542.1	3456.3	3374.4	3261.2	3097.4	2726.8	2765.8	2715.1	2032.4
45°	3425.1	3413.4	3440.7	3464.1	3468.0	3382.2	3429.0	2996.0	3007.7	2953.1	2227.5
47.5°	3245.6	3179.3	3210.5	3351.0	3452.4	3448.5	3647.4	3276.8	3253.4	3226.1	2422.5
50°	2898.4	2917.9	2941.3	3109.1	3393.9	3518.7	3846.4	3522.6	3546.0	3557.7	2726.8
52.5°	2527.8	2547.3	2598.1	2828.2	3191.0	3522.6	4006.3	3947.8	3994.6	4002.4	3077.9
55°	2360.1	2344.5	2352.3	2508.3	2878.9	3495.3	4025.8	4232.6	4470.5	4443.2	3319.7
57.5°	2149.4	2145.5	2180.7	2348.4	2637.1	3308.0	4096.0	4384.7	4587.6	4560.3	3409.5
60°	1786.7	1806.2	1899.8	2126.0	2504.4	3058.4	4025.8	4361.3	4638.3	4638.3	3569.4
62.5°	1310.7	1338.0	1466.8	1767.2	2219.7	2738.5	3842.5	4345.7	4887.9	4915.3	3947.8
65°	741.2	749.0	881.6	1205.4	1751.5	2383.5	3670.8	4614.9	5430.2	5539.4	4412.0
67.5°	343.3	335.5	421.3	663.2	1135.2	1884.2	3401.7	4845.0	6218.2	6311.8	5110.3
70°	206.8	206.8	226.3	292.6	569.5	1283.4	2882.8	4806.0	6881.4	6928.2	5301.5
72.5°	163.8	167.7	175.5	187.2	265.3	663.2	2063.6	4174.1	6631.7	6323.5	4400.3
75°	117.0	124.8	144.3	152.1	175.5	312.1	893.3	2477.1	4490.0	4025.8	2364.0
77.5°	93.6	93.6	101.4	117.0	132.6	210.7	218.5	827.0	1451.2	1193.7	448.6
80°	58.5	58.5	81.9	85.8	109.2	136.5	74.1	175.5	195.0	163.8	81.9
82.5°	31.2	35.1	42.9	66.3	89.7	62.4	31.2	58.5	62.4	62.4	35.1
85°	0.0	3.9	23.4	42.9	31.2	15.6	19.5	23.4	23.4	23.4	15.6
87.5°	0.0	0.0	11.7	7.8	7.8	3.9	3.9	7.8	7.8	7.8	3.9
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°	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3
2.5°	351.1	347.2	335.5	331.6	319.9	312.1	312.1	308.2	300.4	300.4	300.4
5°	370.6	358.9	339.4	319.9	308.2	300.4	296.5	284.8	277.0	277.0	277.0
7.5°	405.7	382.3	355.0	327.7	308.2	284.8	261.4	238.0	222.4	210.7	210.7
10°	452.5	417.4	370.6	339.4	292.6	238.0	191.1	156.0	144.3	136.5	136.5
12.5°	511.0	460.3	397.9	339.4	241.9	167.7	132.6	117.0	113.1	109.2	109.2
15°	581.2	511.0	425.2	308.2	175.5	128.7	109.2	105.3	101.4	97.5	97.5
17.5°	663.2	569.5	440.8	249.7	132.6	109.2	101.4	93.6	89.7	89.7	89.7
20°	737.3	628.1	429.1	179.4	109.2	97.5	89.7	81.9	78.0	78.0	78.0
22.5°	823.1	667.1	382.3	132.6	97.5	85.8	78.0	74.1	70.2	66.3	66.3
25°	905.0	706.1	308.2	105.3	89.7	78.0	70.2	66.3	62.4	58.5	58.5
27.5°	987.0	737.3	234.1	93.6	81.9	70.2	62.4	58.5	54.6	54.6	54.6
30°	1072.8	745.1	167.7	85.8	74.1	66.3	58.5	54.6	50.7	50.7	50.7
32.5°	1107.9	729.5	120.9	81.9	70.2	58.5	50.7	46.8	46.8	46.8	46.8
35°	1158.6	698.3	97.5	74.1	62.4	54.6	46.8	46.8	42.9	42.9	42.9
37.5°	1217.1	639.8	85.8	70.2	58.5	50.7	46.8	42.9	42.9	39.0	39.0
40°	1260.0	581.2	78.0	66.3	54.6	46.8	42.9	39.0	39.0	35.1	35.1
42.5°	1314.6	495.4	78.0	62.4	50.7	42.9	39.0	35.1	31.2	31.2	27.3
45°	1373.1	413.5	74.1	58.5	46.8	39.0	35.1	27.3	23.4	23.4	23.4
47.5°	1431.7	323.8	70.2	54.6	42.9	35.1	27.3	23.4	19.5	19.5	15.6
50°	1537.0	249.7	62.4	46.8	39.0	31.2	23.4	19.5	15.6	15.6	11.7
52.5°	1626.7	199.0	58.5	42.9	35.1	27.3	19.5	15.6	11.7	11.7	11.7
55°	1595.5	159.9	50.7	39.0	31.2	19.5	15.6	11.7	11.7	7.8	7.8
57.5°	1482.4	144.3	46.8	35.1	27.3	19.5	15.6	11.7	7.8	7.8	7.8
60°	1451.2	128.7	42.9	35.1	23.4	15.6	11.7	7.8	7.8	7.8	3.9
62.5°	1447.3	117.0	39.0	27.3	19.5	11.7	11.7	7.8	7.8	3.9	3.9
65°	1505.8	105.3	31.2	23.4	15.6	11.7	7.8	7.8	3.9	0.0	0.0
67.5°	1525.3	93.6	31.2	19.5	11.7	7.8	7.8	3.9	0.0	0.0	0.0
70°	1299.0	78.0	27.3	15.6	11.7	7.8	3.9	3.9	0.0	0.0	0.0
72.5°	768.5	62.4	23.4	11.7	7.8	7.8	3.9	3.9	0.0	0.0	0.0
75°	277.0	42.9	15.6	11.7	7.8	3.9	3.9	0.0	0.0	0.0	0.0
77.5°	85.8	31.2	11.7	7.8	3.9	3.9	3.9	0.0	0.0	0.0	0.0
80°	35.1	23.4	11.7	7.8	3.9	3.9	3.9	0.0	0.0	0.0	0.0
82.5°	19.5	15.6	7.8	7.8	3.9	3.9	3.9	0.0	0.0	0.0	0.0
85°	11.7	7.8	7.8	7.8	3.9	3.9	3.9	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	3.9	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)