

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: P565385

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T3R-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565385
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-T3R-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3R distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

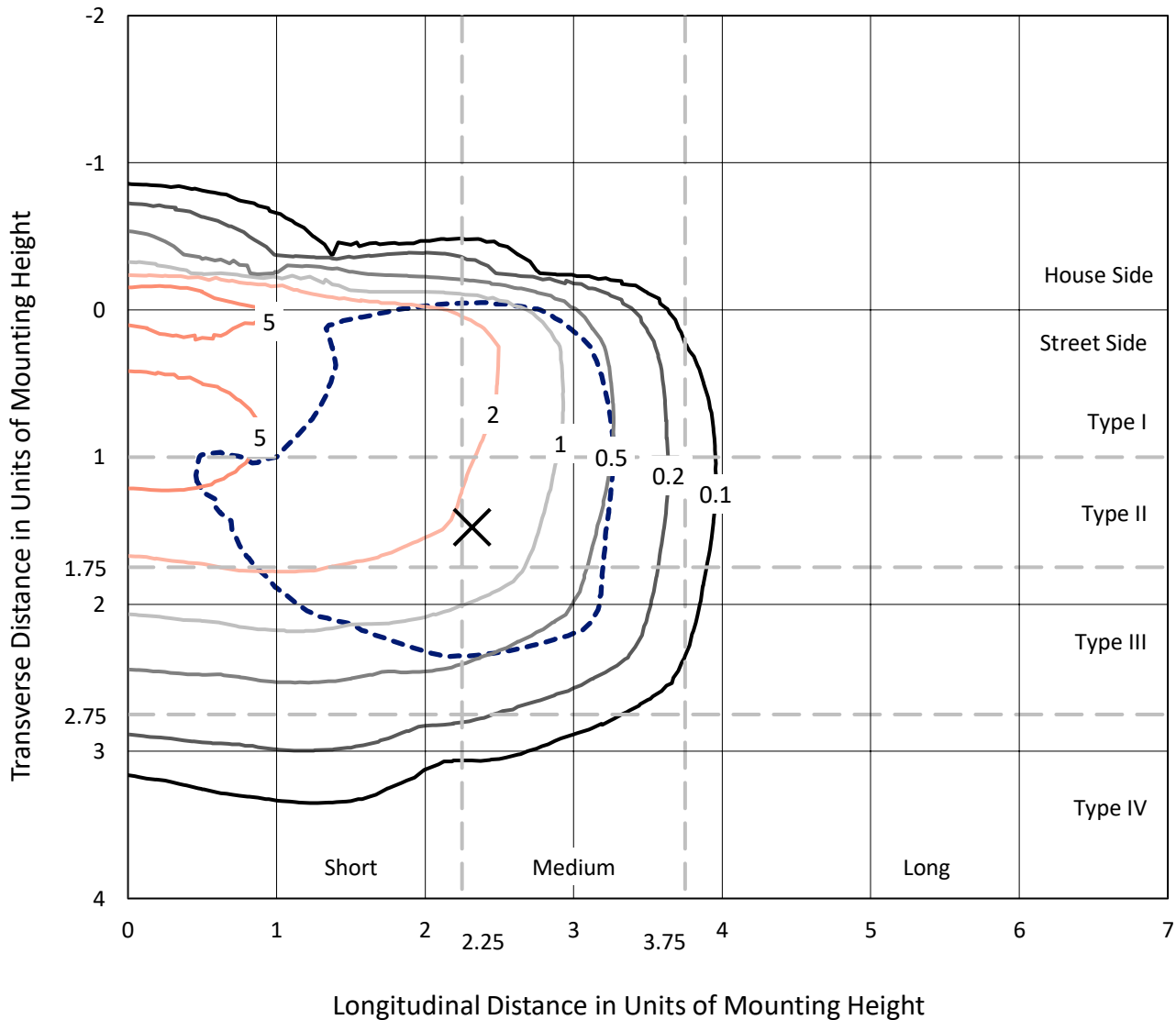
Lumens per Lamp: N/A
Luminaire Lumens: 4597.7 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P565385
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

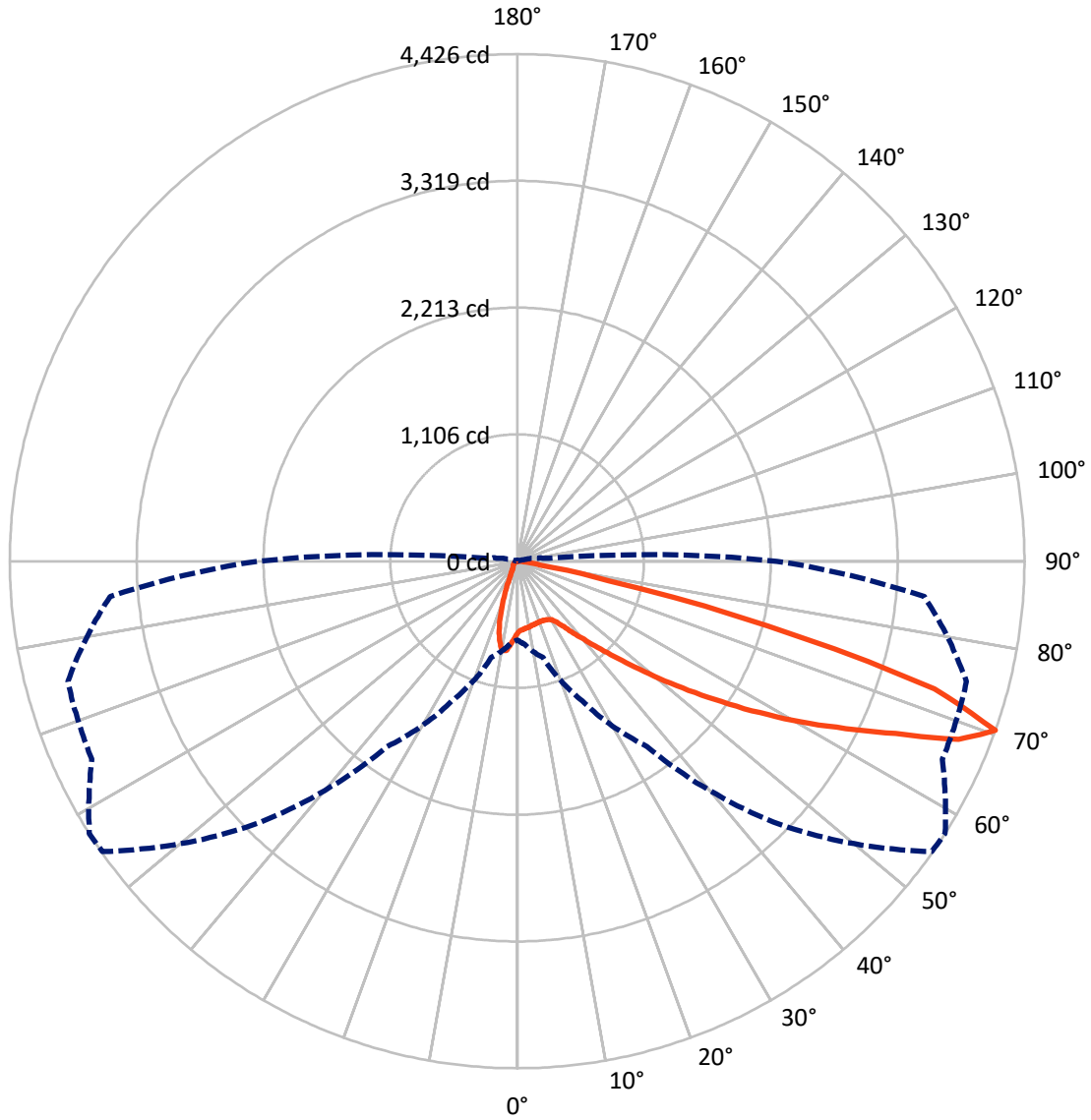
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P565385
CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P565385
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T3R-HSS

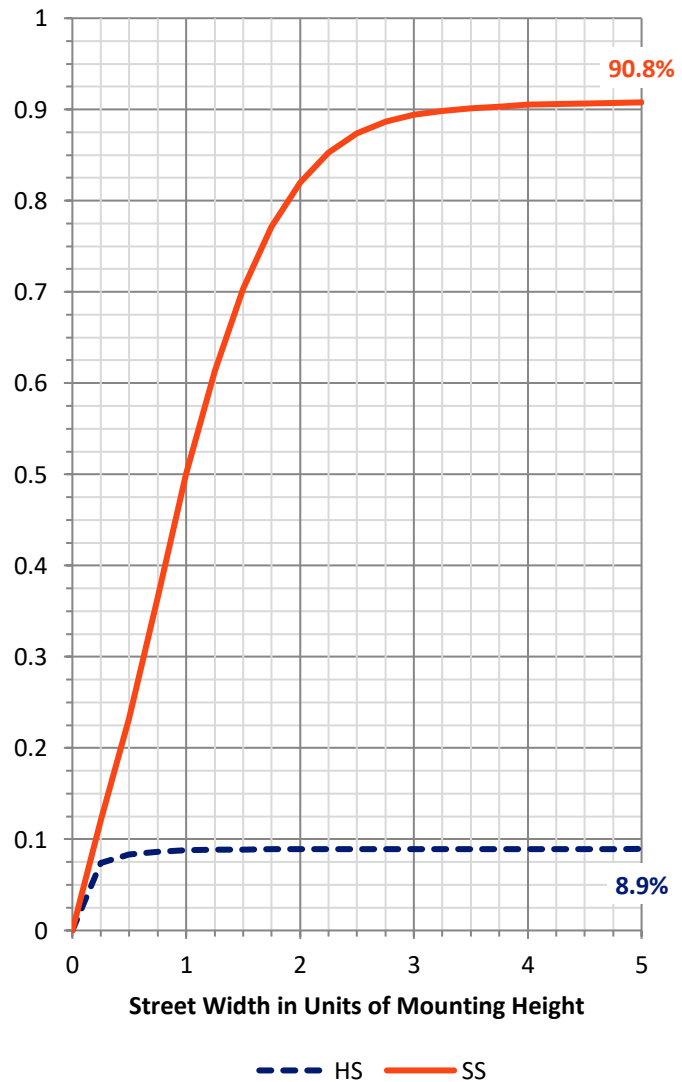
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	413.4	0.0	413.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4184.3	0.0	4184.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	4597.7	0.0	4597.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.3
10°-20°	142.6	3.1
20°-30°	227.2	4.9
30°-40°	417.9	9.1
40°-50°	688.1	15.0
50°-60°	1015.3	22.1
60°-70°	1405.7	30.6
70°-80°	622.7	13.5
80°-90°	18.0	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°	4597.7	100.0
0°-180°	4597.7	100.0

Coefficient of Utilization

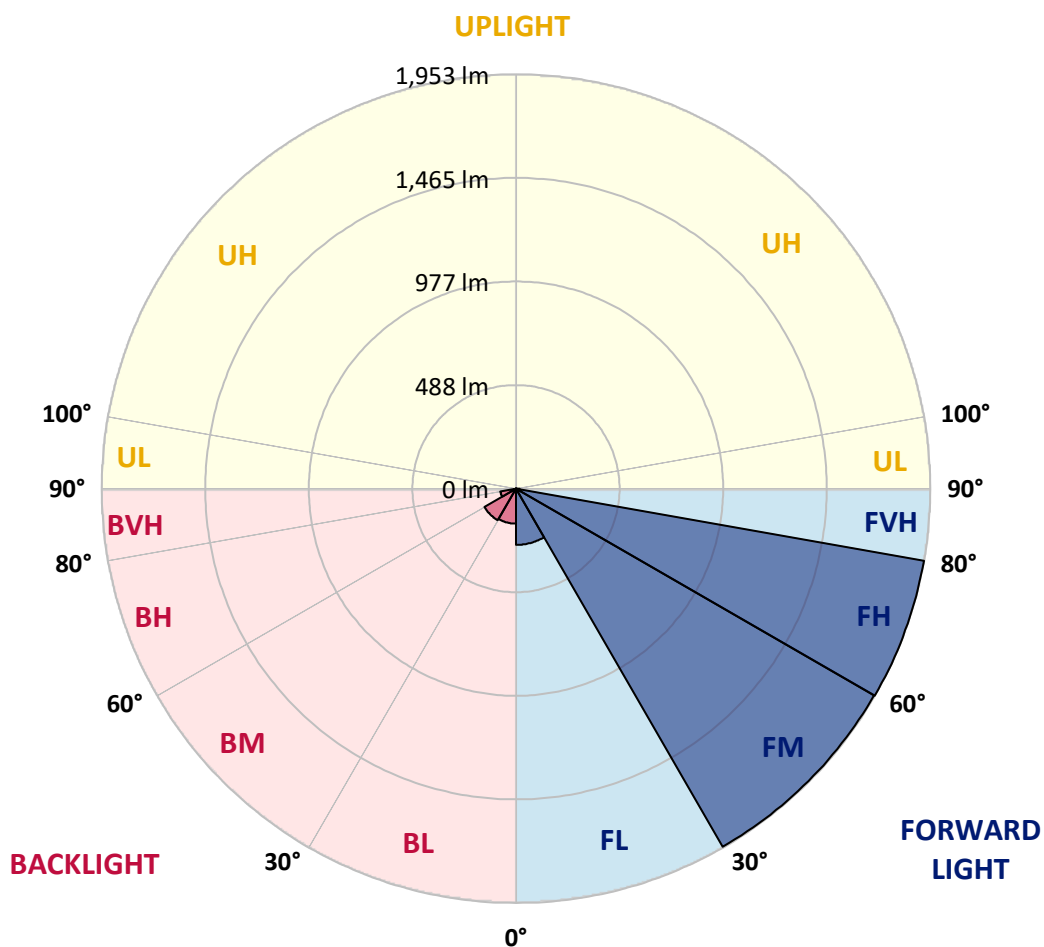


REPORT NUMBER: P565385
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.9	5.8			
FM (30°-60°)	1949.4	42.4			
FH (60°-80°)	1953.3	42.5			G2/5000
FVH (80°-90°)	16.7	0.4			G1/100
BL (0°-30°)	165.1	3.6	B1/500		
BM (30°-60°)	171.8	3.7	B0/220		
BH (60°-80°)	75.2	1.6	B0/110		G0/110
BVH (80°-90°)	1.3	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 III Medium





REPORT NUMBER: P565385

CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7
2.5°	577.2	580.0	582.7	585.5	591.0	593.7	604.7	604.7	610.2	615.7	632.2
5°	527.8	530.5	536.0	549.8	563.5	577.2	593.7	596.5	607.5	626.7	646.0
7.5°	475.5	478.3	489.3	500.3	522.3	549.8	582.7	588.2	613.0	640.5	670.7
10°	437.1	434.3	442.6	453.5	478.3	522.3	571.7	582.7	621.2	659.7	703.7
12.5°	423.3	423.3	426.1	434.3	450.8	494.8	560.8	574.5	624.0	681.7	742.2
15°	412.3	412.3	415.1	417.8	437.1	478.3	552.5	571.7	632.2	703.7	775.2
17.5°	409.6	406.8	406.8	406.8	423.3	467.3	544.3	566.2	643.2	722.9	802.6
20°	439.8	434.3	417.8	409.6	417.8	456.3	541.5	563.5	651.5	736.7	816.4
22.5°	585.5	566.2	519.5	459.0	428.8	453.5	536.0	563.5	659.7	750.4	830.1
25°	854.9	827.4	736.7	604.7	494.8	467.3	538.8	569.0	670.7	758.7	841.1
27.5°	1138.0	1113.3	1011.6	824.6	621.2	508.5	547.0	577.2	687.2	777.9	871.4
30°	1363.4	1355.1	1256.2	1055.5	799.9	607.5	571.7	593.7	714.7	816.4	909.8
32.5°	1531.1	1528.3	1451.4	1269.9	1000.6	736.7	626.7	637.7	761.4	843.9	937.3
35°	1663.0	1654.8	1594.3	1445.9	1201.2	896.1	711.9	700.9	799.9	874.1	967.6
37.5°	1745.5	1753.7	1723.5	1616.3	1393.6	1069.3	830.1	797.1	832.9	901.6	1019.8
40°	1784.0	1797.7	1849.9	1819.7	1610.8	1247.9	940.1	896.1	887.9	959.3	1107.8
42.5°	1805.9	1833.4	1948.9	2012.1	1836.2	1437.6	1083.0	1028.0	984.1	1050.0	1231.5
45°	1866.4	1893.9	2017.6	2138.6	2031.3	1630.0	1245.2	1184.7	1113.3	1165.5	1396.4
47.5°	1910.4	1935.1	2045.1	2207.3	2157.8	1825.2	1440.4	1377.1	1289.2	1316.7	1597.0
50°	1946.1	1970.9	2097.3	2234.8	2229.3	1990.1	1657.5	1605.3	1517.3	1520.1	1830.7
52.5°	1929.6	1965.4	2105.6	2243.0	2237.5	2100.1	1929.6	1871.9	1795.0	1800.5	2124.8
55°	1610.8	1668.5	2031.3	2226.5	2273.2	2207.3	2204.5	2160.5	2127.6	2144.0	2418.9
57.5°	1509.1	1539.3	1792.2	2212.8	2369.4	2402.4	2498.6	2495.9	2484.9	2498.6	2627.8
60°	1454.1	1489.8	1712.5	2210.0	2531.6	2691.1	2850.5	2845.0	2812.0	2836.7	2933.0
62.5°	1319.4	1357.9	1599.8	2155.0	2682.8	3026.4	3229.8	3216.1	3144.6	3240.8	3375.5
65°	1149.0	1187.5	1432.1	1979.1	2729.5	3309.5	3631.1	3628.4	3559.7	3749.3	3870.3
67.5°	937.3	975.8	1182.0	1753.7	2495.9	3463.5	4150.7	4150.7	4002.2	4183.6	4084.7
70°	687.2	728.4	871.4	1346.9	1973.6	3254.6	4417.3	4425.5	4092.9	4057.2	3565.2
72.5°	349.1	395.8	593.7	909.8	1316.7	2567.4	3826.3	3807.1	3372.8	2867.0	2108.3
75°	145.7	164.9	313.4	516.8	549.8	1269.9	2287.0	2256.7	1704.2	1223.2	695.4
77.5°	63.2	66.0	120.9	217.2	178.7	313.4	841.1	816.4	552.5	285.9	156.7
80°	46.7	55.0	101.7	96.2	63.2	82.5	203.4	200.7	131.9	71.5	44.0
82.5°	22.0	30.2	79.7	60.5	27.5	35.7	71.5	71.5	52.2	35.7	22.0
85°	8.2	11.0	46.7	38.5	13.7	11.0	30.2	30.2	24.7	16.5	8.2
87.5°	0.0	0.0	22.0	11.0	5.5	2.7	5.5	5.5	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565385
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7
2.5°	637.7	643.2	651.5	665.2	673.5	681.7	681.7	689.9	687.2	689.9	687.2
5°	659.7	668.0	698.2	720.2	731.2	742.2	731.2	725.7	717.4	706.4	703.7
7.5°	692.7	714.7	766.9	786.2	786.2	750.4	698.2	654.2	626.7	607.5	596.5
10°	739.4	772.4	827.4	835.6	777.9	670.7	574.5	503.0	464.5	431.6	426.1
12.5°	780.7	824.6	885.1	835.6	687.2	544.3	420.6	318.9	272.1	241.9	236.4
15°	824.6	882.4	923.6	786.2	574.5	390.3	252.9	156.7	126.4	115.4	112.7
17.5°	865.9	934.6	937.3	695.4	437.1	236.4	120.9	96.2	90.7	93.5	93.5
20°	896.1	967.6	901.6	588.2	283.1	120.9	90.7	88.0	88.0	88.0	88.0
22.5°	923.6	989.6	838.4	459.0	159.4	88.0	85.2	85.2	85.2	85.2	85.2
25°	942.8	1000.6	750.4	321.6	93.5	79.7	79.7	79.7	79.7	82.5	82.5
27.5°	978.6	1014.3	665.2	195.2	77.0	74.2	74.2	74.2	74.2	77.0	77.0
30°	1019.8	1028.0	574.5	110.0	71.5	66.0	66.0	66.0	66.0	66.0	66.0
32.5°	1050.0	1019.8	453.5	79.7	66.0	60.5	57.7	55.0	52.2	52.2	52.2
35°	1088.5	1017.0	324.4	71.5	63.2	55.0	49.5	46.7	41.2	38.5	38.5
37.5°	1140.7	1000.6	206.2	66.0	57.7	49.5	44.0	38.5	30.2	30.2	30.2
40°	1212.2	989.6	131.9	63.2	55.0	46.7	35.7	30.2	24.7	24.7	24.7
42.5°	1308.4	973.1	90.7	60.5	52.2	41.2	30.2	24.7	19.2	16.5	16.5
45°	1393.6	940.1	74.2	57.7	46.7	35.7	24.7	19.2	13.7	13.7	13.7
47.5°	1473.3	879.6	68.7	52.2	41.2	27.5	19.2	13.7	11.0	11.0	11.0
50°	1580.5	791.6	66.0	49.5	35.7	22.0	16.5	11.0	11.0	11.0	11.0
52.5°	1707.0	698.2	60.5	44.0	30.2	19.2	13.7	11.0	8.2	8.2	8.2
55°	1830.7	588.2	52.2	38.5	27.5	16.5	11.0	11.0	8.2	8.2	5.5
57.5°	1924.1	516.8	44.0	33.0	22.0	13.7	11.0	8.2	8.2	5.5	5.5
60°	2100.1	516.8	35.7	27.5	19.2	13.7	11.0	8.2	5.5	5.5	5.5
62.5°	2369.4	541.5	27.5	22.0	13.7	11.0	8.2	8.2	5.5	2.7	2.7
65°	2674.6	541.5	24.7	16.5	11.0	8.2	8.2	5.5	2.7	2.7	2.7
67.5°	2740.5	461.8	22.0	13.7	8.2	8.2	5.5	5.5	2.7	0.0	0.0
70°	2267.7	274.9	19.2	11.0	8.2	5.5	5.5	2.7	0.0	0.0	0.0
72.5°	1286.4	110.0	16.5	8.2	5.5	5.5	2.7	2.7	0.0	0.0	0.0
75°	395.8	41.2	13.7	8.2	5.5	2.7	2.7	2.7	0.0	0.0	0.0
77.5°	88.0	24.7	11.0	5.5	5.5	2.7	2.7	0.0	0.0	0.0	0.0
80°	30.2	16.5	11.0	5.5	2.7	2.7	2.7	0.0	0.0	0.0	0.0
82.5°	16.5	11.0	11.0	5.5	2.7	2.7	2.7	0.0	0.0	0.0	0.0
85°	8.2	5.5	5.5	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	2.7	2.7	2.7	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)