

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: P483656

Luminaire Tested: **IFLD-S-SA3B-750-U-T4W-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483656
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-750-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

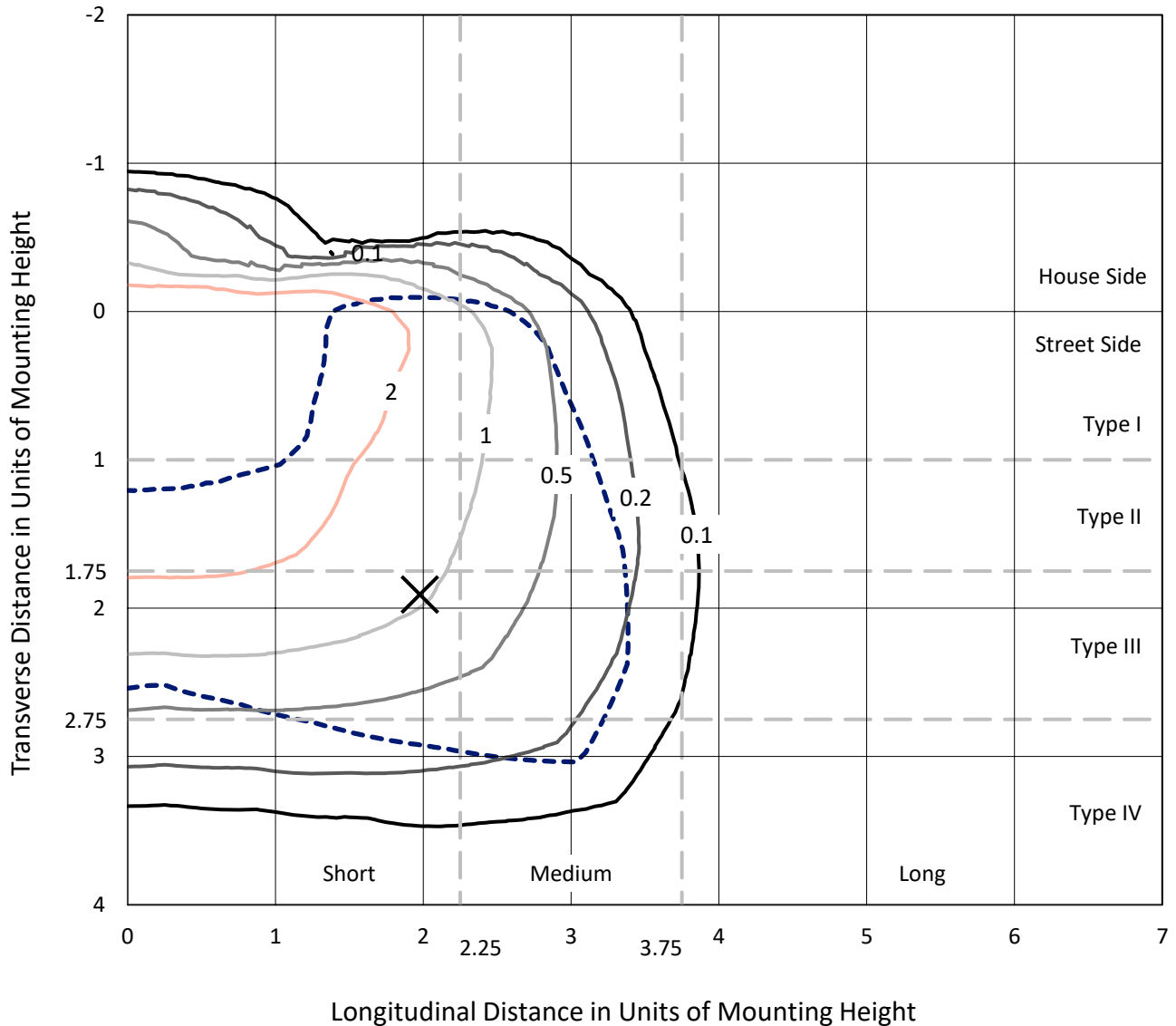
Lumens per Lamp: N/A
Luminaire Lumens: 12842.4 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

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: P483656
 CATALOG NUMBER: IFLD-S-SA3B-750-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

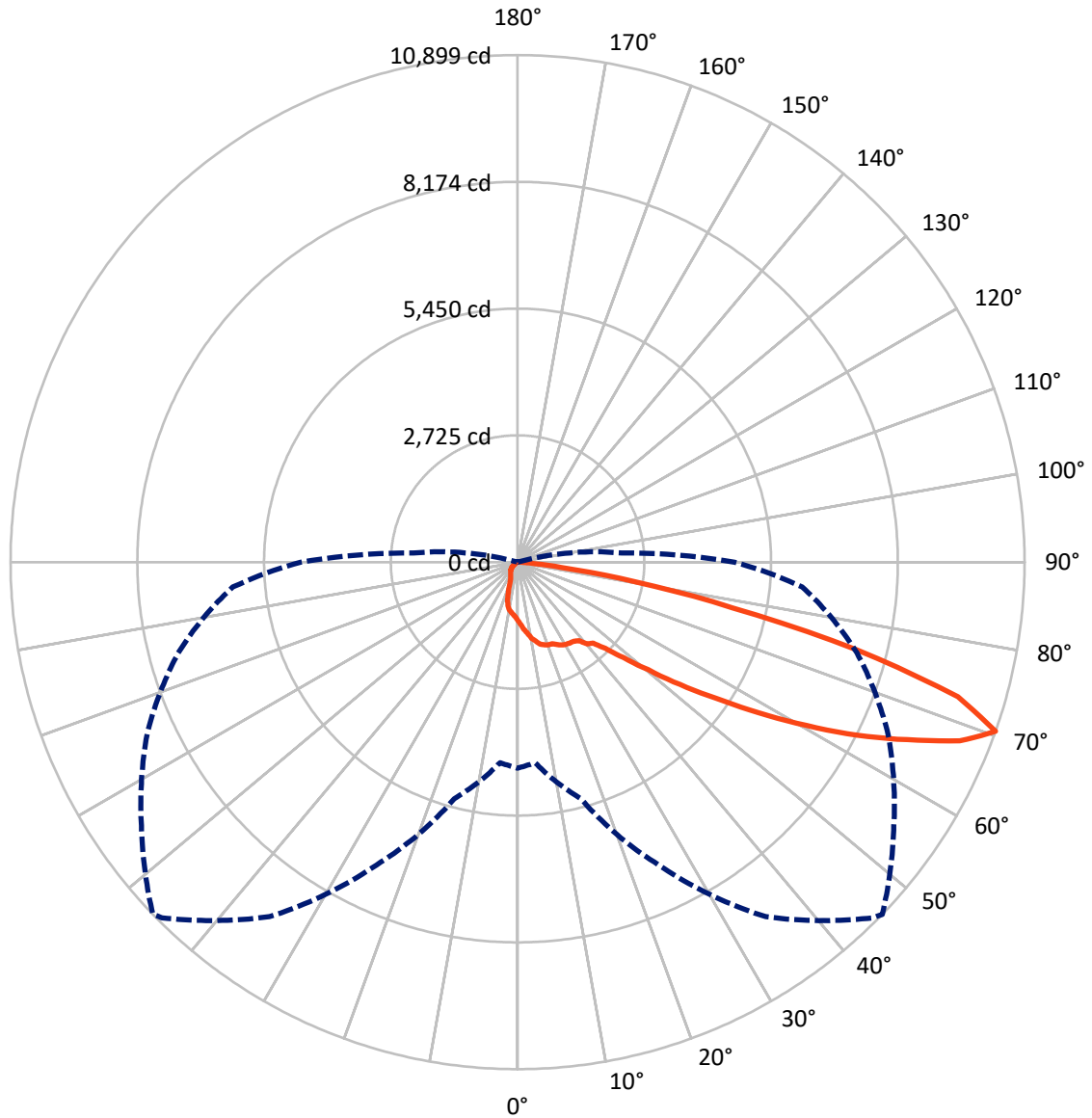
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P483656
CATALOG NUMBER: IFLD-S-SA3B-750-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483656
 CATALOG NUMBER: IFLD-S-SA3B-750-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1277.8	0.0	1277.8
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	11564.6	0.0	11564.6
	% Fixture	90.0	0.0	90.0
Total	Lumens	12842.4	0.0	12842.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	1.0
10°-20°	379.6	3.0
20°-30°	608.1	4.7
30°-40°	868.0	6.8
40°-50°	1498.7	11.7
50°-60°	2869.5	22.3
60°-70°	4249.2	33.1
70°-80°	2104.6	16.4
80°-90°	139.1	1.1
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°	12842.4	100.0
0°-180°	12842.4	100.0

Coefficient of Utilization



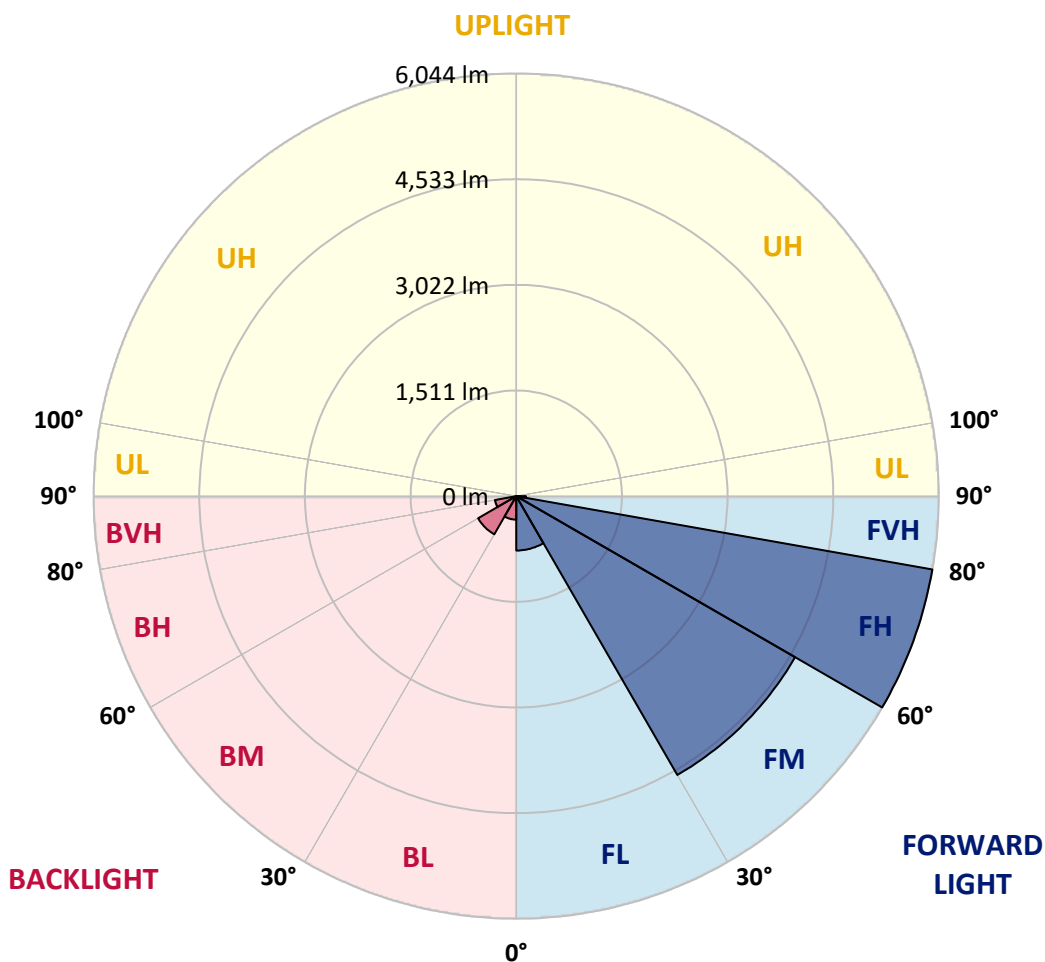
REPORT NUMBER: P483656
 CATALOG NUMBER: IFLD-S-SA3B-750-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.7	6.1			
FM (30°-60°)	4605.3	35.9			
FH (60°-80°)	6044.3	47.1			G3/7500
FVH (80°-90°)	137.3	1.1			G2/225
BL (0°-30°)	335.7	2.6	B1/500		
BM (30°-60°)	630.9	4.9	B1/1000		
BH (60°-80°)	309.5	2.4	B1/500		G1/500
BVH (80°-90°)	1.8	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-G3

Type IV Short





REPORT NUMBER: P483656

CATALOG NUMBER: IFLD-S-SA3B-750-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1406.8	1397.5	1382.7	1377.2	1362.4	1355.0	1343.9	1338.4	1318.0	1297.7	1284.8
5°	1578.7	1556.5	1563.9	1541.7	1493.6	1454.8	1453.0	1410.5	1364.2	1327.3	1277.4
7.5°	1752.4	1734.0	1706.2	1674.8	1621.2	1563.9	1547.3	1506.6	1441.9	1377.2	1310.6
10°	1883.7	1870.8	1846.7	1802.4	1728.4	1663.7	1665.6	1597.2	1528.8	1454.8	1364.2
12.5°	1965.0	1970.6	1935.5	1891.1	1826.4	1745.1	1743.2	1697.0	1619.3	1541.7	1434.5
15°	2046.4	2066.7	2013.1	1961.3	1878.1	1819.0	1830.1	1774.6	1698.8	1610.1	1491.8
17.5°	2059.3	2064.9	2053.8	1978.0	1917.0	1867.1	1868.9	1831.9	1774.6	1678.5	1576.8
20°	2037.1	2033.4	2020.5	1965.0	1924.4	1894.8	1896.6	1887.4	1856.0	1778.3	1639.7
22.5°	1972.4	1972.4	1955.8	1918.8	1900.3	1928.1	1905.9	1941.0	1907.7	1861.5	1746.9
25°	1920.7	1941.0	1931.8	1907.7	1915.1	1952.1	1963.2	1996.5	1990.9	1933.6	1820.8
27.5°	1976.1	1952.1	1957.6	1929.9	1957.6	2013.1	2018.6	2042.7	2040.8	1994.6	1887.4
30°	2013.1	2035.3	1992.8	1931.8	1961.3	2055.6	2051.9	2083.3	2098.1	2042.7	1950.2
32.5°	2131.4	2112.9	2077.8	1996.5	2000.2	2053.8	2070.4	2111.1	2120.3	2087.0	2011.2
35°	2373.6	2345.8	2192.4	2070.4	2051.9	2077.8	2088.9	2168.4	2185.0	2148.0	2075.9
37.5°	2747.0	2684.1	2499.3	2229.4	2146.2	2140.6	2140.6	2246.0	2308.9	2223.8	2172.1
40°	3281.2	3192.5	2992.8	2523.3	2270.0	2292.2	2314.4	2371.7	2364.3	2308.9	2297.8
42.5°	3961.5	3893.1	3676.8	3016.9	2506.7	2395.7	2377.3	2454.9	2571.4	2549.2	2541.8
45°	4529.0	4532.7	4394.1	3693.4	2915.2	2634.2	2647.2	2706.3	2902.3	2885.6	2883.8
47.5°	4943.1	4891.3	4871.0	4346.0	3510.4	3087.1	3068.6	3109.3	3364.4	3469.8	3517.8
50°	5320.2	5285.1	5237.0	4980.1	4225.8	3654.6	3636.1	3639.8	4029.9	4177.8	4296.1
52.5°	5787.9	5832.2	5673.3	5516.1	5152.0	4392.2	4371.9	4299.8	4784.1	4987.4	5127.9
55°	6364.6	6281.4	6102.1	6183.5	6037.4	5188.9	5152.0	5066.9	5643.7	5728.7	5876.6
57.5°	6492.2	6429.3	6614.2	6902.6	7043.1	6124.3	6109.5	5956.1	6366.5	6288.8	6706.6
60°	6810.1	6826.8	7083.7	7656.8	7900.8	7203.9	7131.8	6861.9	7067.1	7081.9	7527.4
62.5°	7137.3	7098.5	7673.4	8224.3	8599.6	8226.1	8202.1	7666.0	7898.9	7710.4	8300.1
65°	6897.0	6956.2	7778.8	8701.2	9505.4	9226.2	9205.9	8440.6	8568.1	8333.4	8614.3
67.5°	6043.0	5922.8	7074.5	8483.1	9971.2	10274.4	10252.2	9285.4	8945.2	8329.7	7961.8
70°	4429.2	4325.7	5264.7	7183.5	9303.9	10810.4	10899.2	9873.2	8791.8	7553.3	6142.8
72.5°	2170.2	2172.1	2950.3	4871.0	7361.0	9852.9	9897.3	9052.5	7553.3	5567.9	3479.0
75°	641.5	648.8	1092.5	2388.4	4758.2	7483.0	7532.9	6871.1	5235.2	2876.4	1186.8
77.5°	234.8	234.8	362.3	896.6	2373.6	4723.1	4719.4	4218.4	2650.9	974.2	277.3
80°	122.0	127.6	188.6	366.0	1027.8	2460.4	2552.9	2064.9	1007.5	410.4	81.3
82.5°	49.9	55.5	103.5	188.6	493.6	863.3	944.6	809.7	438.1	286.5	37.0
85°	14.8	16.6	49.9	105.4	194.1	216.3	240.3	271.7	275.4	221.8	16.6
87.5°	1.8	1.8	20.3	35.1	42.5	46.2	53.6	53.6	140.5	155.3	9.2
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: P483656

CATALOG NUMBER: IFLD-S-SA3B-750-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7	1260.7
2.5°	1270.0	1260.7	1245.9	1212.7	1205.3	1181.2	1179.4	1157.2	1164.6	1149.8	1144.3
5°	1260.7	1240.4	1199.7	1173.8	1148.0	1131.3	1120.2	1111.0	1109.1	1101.7	1098.1
7.5°	1277.4	1249.6	1186.8	1146.1	1101.7	1087.0	1062.9	1061.1	1048.1	1035.2	1035.2
10°	1332.8	1282.9	1214.5	1146.1	1088.8	1040.7	985.3	944.6	929.8	896.6	900.3
12.5°	1377.2	1332.8	1233.0	1162.8	1075.9	966.8	844.8	750.5	706.2	663.6	680.3
15°	1440.0	1375.3	1268.1	1166.4	1026.0	837.4	637.8	532.4	491.7	482.5	480.6
17.5°	1508.4	1440.0	1312.5	1157.2	924.3	647.0	469.5	408.5	415.9	427.0	425.2
20°	1584.2	1501.0	1345.8	1125.8	763.5	469.5	384.5	382.7	393.7	410.4	414.1
22.5°	1663.7	1591.6	1386.4	1031.5	569.4	377.1	369.7	369.7	377.1	397.4	393.7
25°	1752.4	1656.3	1406.8	885.5	408.5	347.5	351.2	358.6	362.3	379.0	380.8
27.5°	1820.8	1728.4	1412.3	709.9	332.7	321.7	330.9	340.1	345.7	358.6	364.2
30°	1883.7	1819.0	1382.7	528.7	305.0	299.5	303.2	316.1	327.2	338.3	338.3
32.5°	1963.2	1870.8	1314.3	375.3	288.4	279.1	277.3	282.8	295.8	308.7	308.7
35°	2044.5	1957.6	1205.3	301.3	273.6	260.6	253.3	247.7	253.3	262.5	269.9
37.5°	2162.8	2088.9	1068.5	277.3	262.5	244.0	229.2	216.3	207.0	205.2	210.7
40°	2331.0	2236.8	892.9	260.6	249.6	227.4	205.2	183.0	162.7	149.7	151.6
42.5°	2586.2	2454.9	702.5	251.4	240.3	208.9	177.5	146.0	120.2	107.2	107.2
45°	2950.3	2743.3	515.8	242.2	229.2	186.7	146.0	109.1	83.2	75.8	77.6
47.5°	3499.3	3090.8	369.7	227.4	214.4	162.7	114.6	77.6	61.0	57.3	59.2
50°	4216.6	3503.0	288.4	210.7	195.9	136.8	85.0	57.3	48.1	46.2	48.1
52.5°	4969.0	3919.0	253.3	195.9	168.2	109.1	62.9	46.2	40.7	38.8	40.7
55°	5612.3	4187.0	220.0	173.8	134.9	81.3	49.9	40.7	35.1	29.6	29.6
57.5°	6263.0	4322.0	173.8	144.2	99.8	61.0	42.5	35.1	29.6	24.0	22.2
60°	6791.7	4418.1	123.9	107.2	70.2	48.1	37.0	31.4	24.0	18.5	16.6
62.5°	7139.2	4142.6	90.6	81.3	51.8	40.7	31.4	25.9	18.5	12.9	12.9
65°	6967.3	3761.8	70.2	57.3	38.8	31.4	25.9	18.5	12.9	7.4	5.5
67.5°	6251.9	3064.9	57.3	42.5	29.6	24.0	20.3	14.8	7.4	1.8	1.8
70°	4663.9	2246.0	46.2	31.4	24.0	18.5	14.8	9.2	3.7	1.8	0.0
72.5°	2551.0	1229.3	37.0	25.9	18.5	14.8	11.1	7.4	3.7	0.0	0.0
75°	842.9	327.2	27.7	18.5	11.1	9.2	7.4	5.5	1.8	0.0	0.0
77.5°	203.3	85.0	22.2	16.6	9.2	5.5	3.7	1.8	1.8	0.0	0.0
80°	62.9	35.1	16.6	11.1	7.4	5.5	1.8	0.0	0.0	0.0	0.0
82.5°	25.9	16.6	7.4	7.4	5.5	1.8	0.0	0.0	0.0	0.0	0.0
85°	12.9	9.2	5.5	3.7	3.7	1.8	0.0	0.0	0.0	0.0	0.0
87.5°	9.2	3.7	1.8	1.8	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)