

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: P483463

Luminaire Tested: **IFLD-S-SA3D-722-U-T4W-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483463
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-722-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

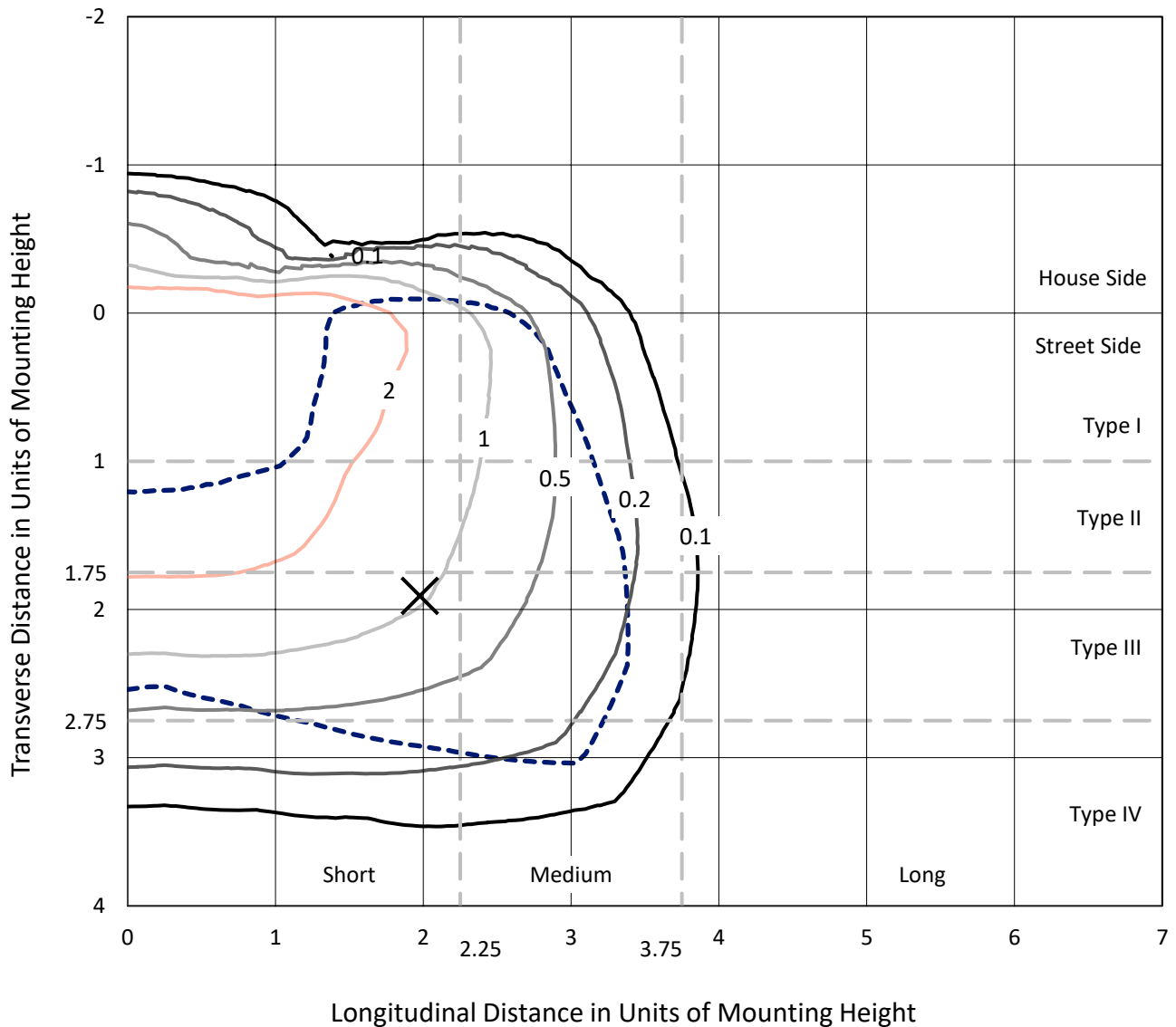
Lumens per Lamp: N/A
Luminaire Lumens: 12667.1 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 184.1
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: P483463
 CATALOG NUMBER: IFLD-S-SA3D-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

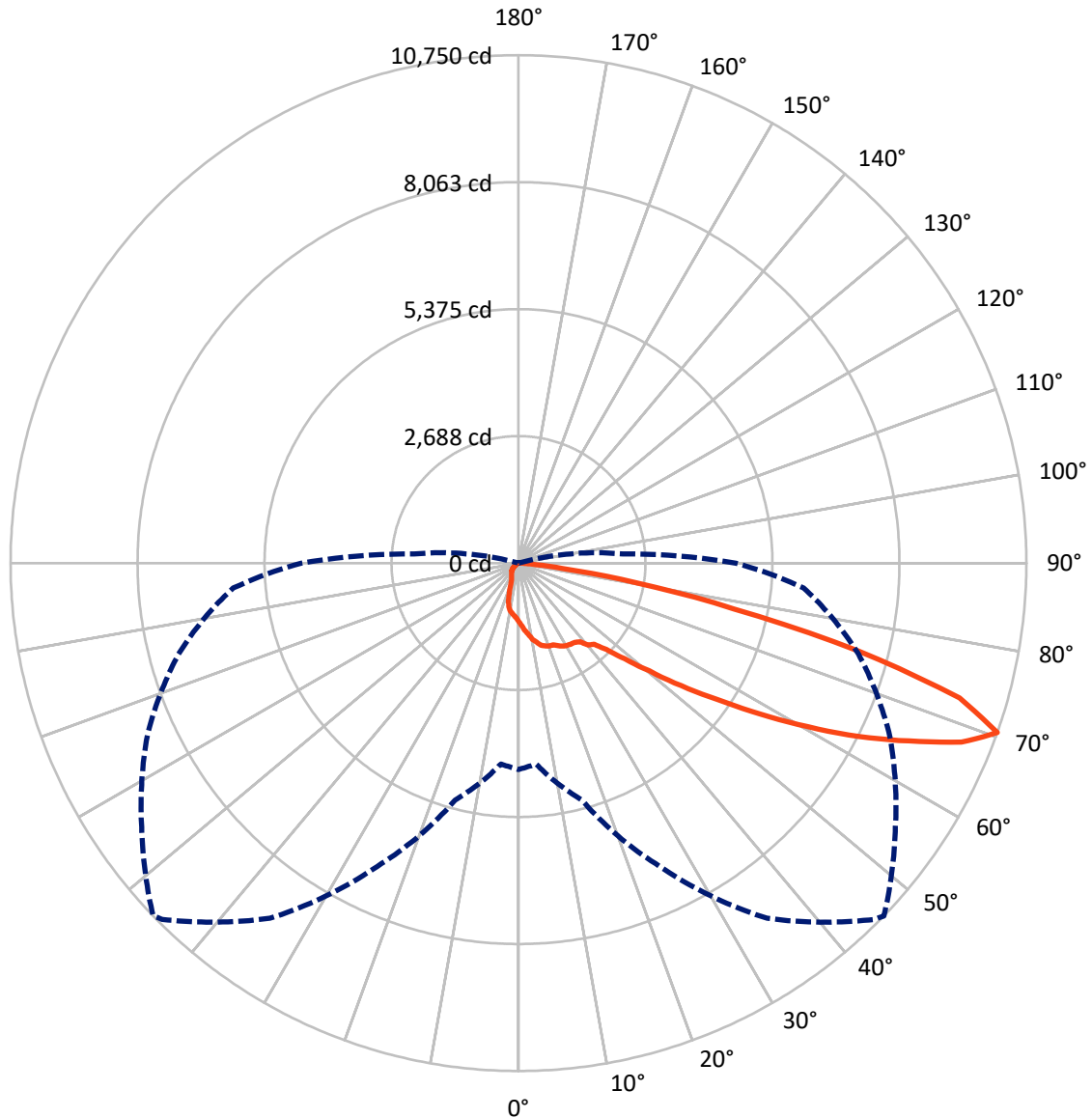
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P483463
CATALOG NUMBER: IFLD-S-SA3D-722-U-T4W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P483463
 CATALOG NUMBER: IFLD-S-SA3D-722-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1260.4	0.0	1260.4
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	11406.7	0.0	11406.7
	% Fixture	90.0	0.0	90.0
Total	Lumens	12667.1	0.0	12667.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	1.0
10°-20°	374.4	3.0
20°-30°	599.8	4.7
30°-40°	856.1	6.8
40°-50°	1478.3	11.7
50°-60°	2830.3	22.3
60°-70°	4191.2	33.1
70°-80°	2075.9	16.4
80°-90°	137.2	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°	12667.1	100.0
0°-180°	12667.1	100.0



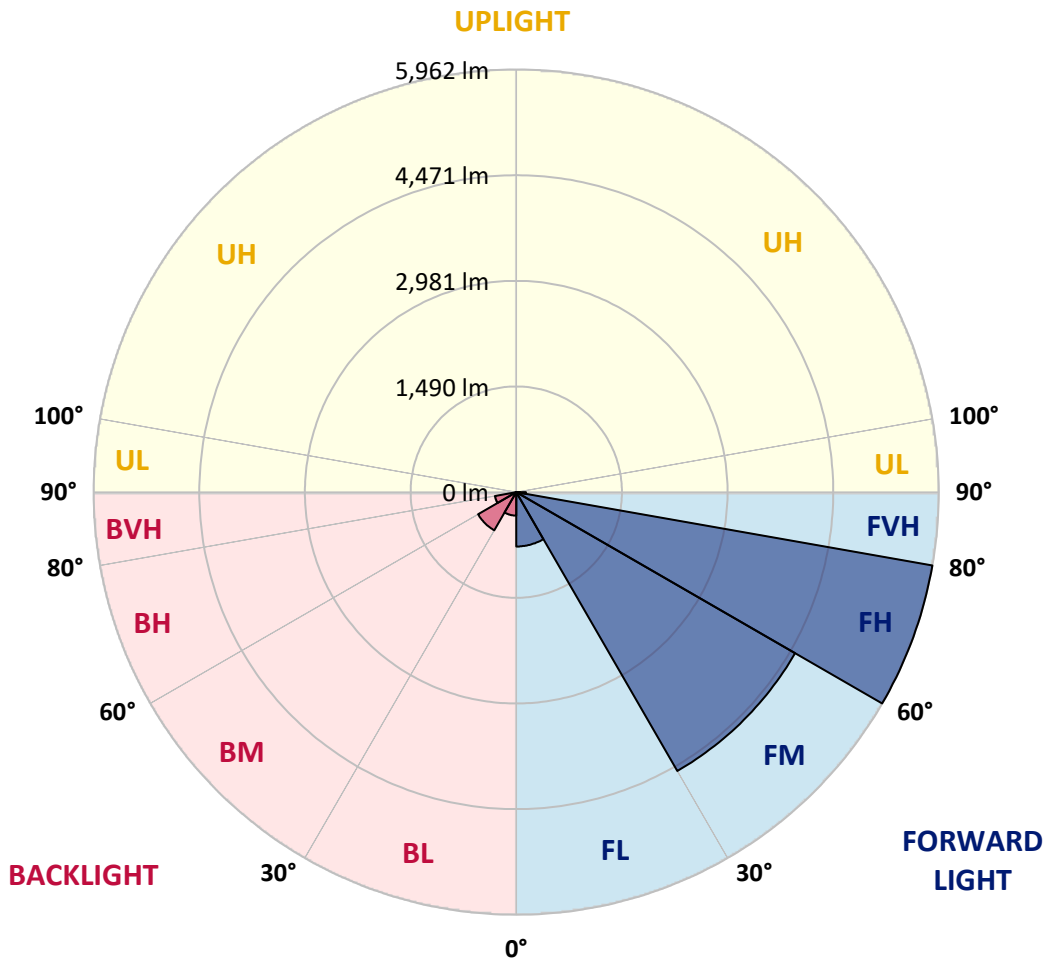
REPORT NUMBER: P483463
 CATALOG NUMBER: IFLD-S-SA3D-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	767.1	6.1			
FM (30°-60°)	4542.4	35.9			
FH (60°-80°)	5961.8	47.1			G3/7500
FVH (80°-90°)	135.4	1.1			G2/225
BL (0°-30°)	331.1	2.6	B1/500		
BM (30°-60°)	622.3	4.9	B1/1000		
BH (60°-80°)	305.3	2.4	B1/500		G1/500
BVH (80°-90°)	1.7	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: P483463

CATALOG NUMBER: IFLD-S-SA3D-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5
2.5°	1387.6	1378.4	1363.9	1358.4	1343.8	1336.5	1325.6	1320.1	1300.0	1280.0	1267.2
5°	1557.1	1535.3	1542.5	1520.7	1473.3	1435.0	1433.1	1391.2	1345.6	1309.2	1259.9
7.5°	1728.5	1710.3	1682.9	1651.9	1599.1	1542.5	1526.1	1486.0	1422.2	1358.4	1292.7
10°	1858.0	1845.2	1821.5	1777.8	1704.8	1641.0	1642.8	1575.4	1507.9	1435.0	1345.6
12.5°	1938.2	1943.7	1909.0	1865.3	1801.5	1721.2	1719.4	1673.8	1597.2	1520.7	1414.9
15°	2018.4	2038.5	1985.6	1934.6	1852.5	1794.2	1805.1	1750.4	1675.6	1588.1	1471.4
17.5°	2031.2	2036.7	2025.7	1951.0	1890.8	1841.6	1843.4	1806.9	1750.4	1655.6	1555.3
20°	2009.3	2005.7	1992.9	1938.2	1898.1	1868.9	1870.7	1861.6	1830.6	1754.1	1617.3
22.5°	1945.5	1945.5	1929.1	1892.6	1874.4	1901.7	1879.9	1914.5	1881.7	1836.1	1723.1
25°	1894.4	1914.5	1905.4	1881.7	1889.0	1925.4	1936.4	1969.2	1963.7	1907.2	1796.0
27.5°	1949.1	1925.4	1930.9	1903.6	1930.9	1985.6	1991.1	2014.8	2013.0	1967.4	1861.6
30°	1985.6	2007.5	1965.6	1905.4	1934.6	2027.6	2023.9	2054.9	2069.5	2014.8	1923.6
32.5°	2102.3	2084.1	2049.4	1969.2	1972.9	2025.7	2042.1	2082.3	2091.4	2058.5	1983.8
35°	2341.2	2313.8	2162.5	2042.1	2023.9	2049.4	2060.4	2138.8	2155.2	2118.7	2047.6
37.5°	2709.5	2647.5	2465.2	2198.9	2116.9	2111.4	2111.4	2215.4	2277.3	2193.5	2142.4
40°	3236.4	3148.9	2952.0	2488.9	2239.1	2260.9	2282.8	2339.3	2332.0	2277.3	2266.4
42.5°	3907.4	3840.0	3626.6	2975.7	2472.4	2363.0	2344.8	2421.4	2536.3	2514.4	2507.1
45°	4467.2	4470.8	4334.1	3643.0	2875.4	2598.3	2611.0	2669.4	2862.6	2846.2	2844.4
47.5°	4875.6	4824.6	4804.5	4286.7	3462.5	3045.0	3026.7	3066.9	3318.5	3422.4	3469.8
50°	5247.6	5212.9	5165.5	4912.1	4168.2	3604.7	3586.5	3590.2	3974.9	4120.7	4237.4
52.5°	5708.9	5752.6	5595.8	5440.8	5081.6	4332.3	4312.2	4241.1	4718.8	4919.4	5057.9
55°	6277.8	6195.7	6018.8	6099.1	5955.0	5118.1	5081.6	4997.8	5566.7	5650.5	5796.4
57.5°	6403.6	6341.6	6523.9	6808.3	6946.9	6040.7	6026.1	5874.8	6279.6	6203.0	6615.1
60°	6717.2	6733.6	6987.0	7552.3	7792.9	7105.5	7034.4	6768.2	6970.6	6985.2	7424.6
62.5°	7039.9	7001.6	7568.7	8112.0	8482.2	8113.9	8090.2	7561.4	7791.1	7605.1	8186.8
65°	6802.9	6861.2	7672.6	8582.5	9375.6	9100.3	9080.2	8325.4	8451.2	8219.6	8496.8
67.5°	5960.5	5842.0	6977.9	8367.3	9835.1	10134.1	10112.2	9158.6	8823.1	8216.0	7853.1
70°	4368.7	4266.6	5192.9	7085.5	9176.9	10662.9	10750.4	9738.5	8671.8	7450.2	6059.0
72.5°	2140.6	2142.4	2910.0	4804.5	7260.5	9718.4	9762.2	8928.9	7450.2	5491.9	3431.5
75°	632.7	640.0	1077.6	2355.8	4693.3	7380.9	7430.1	6777.3	5163.7	2837.1	1170.6
77.5°	231.6	231.6	357.4	884.3	2341.2	4658.6	4655.0	4160.9	2614.7	960.9	273.5
80°	120.3	125.8	186.0	361.0	1013.8	2426.9	2518.0	2036.7	993.7	404.8	80.2
82.5°	49.2	54.7	102.1	186.0	486.8	851.5	931.7	798.6	432.1	282.6	36.5
85°	14.6	16.4	49.2	103.9	191.5	213.3	237.0	268.0	271.7	218.8	16.4
87.5°	1.8	1.8	20.1	34.6	41.9	45.6	52.9	52.9	138.6	153.2	9.1
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: P483463

CATALOG NUMBER: IFLD-S-SA3D-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5	1243.5
2.5°	1252.6	1243.5	1228.9	1196.1	1188.8	1165.1	1163.3	1141.4	1148.7	1134.1	1128.6
5°	1243.5	1223.5	1183.3	1157.8	1132.3	1115.9	1104.9	1095.8	1094.0	1086.7	1083.1
7.5°	1259.9	1232.6	1170.6	1130.5	1086.7	1072.1	1048.4	1046.6	1033.8	1021.1	1021.1
10°	1314.6	1265.4	1197.9	1130.5	1073.9	1026.5	971.8	931.7	917.1	884.3	888.0
12.5°	1358.4	1314.6	1216.2	1146.9	1061.2	953.6	833.3	740.3	696.5	654.6	671.0
15°	1420.4	1356.6	1250.8	1150.5	1012.0	826.0	629.1	525.1	485.0	475.9	474.1
17.5°	1487.8	1420.4	1294.6	1141.4	911.7	638.2	463.1	403.0	410.3	421.2	419.4
20°	1562.6	1480.6	1327.4	1110.4	753.0	463.1	379.3	377.4	388.4	404.8	408.4
22.5°	1641.0	1569.9	1367.5	1017.4	561.6	372.0	364.7	364.7	372.0	392.0	388.4
25°	1728.5	1633.7	1387.6	873.4	403.0	342.8	346.4	353.7	357.4	373.8	375.6
27.5°	1796.0	1704.8	1393.0	700.2	328.2	317.3	326.4	335.5	341.0	353.7	359.2
30°	1858.0	1794.2	1363.9	521.5	300.9	295.4	299.0	311.8	322.7	333.7	333.7
32.5°	1936.4	1845.2	1296.4	370.1	284.4	275.3	273.5	279.0	291.7	304.5	304.5
35°	2016.6	1930.9	1188.8	297.2	269.9	257.1	249.8	244.3	249.8	258.9	266.2
37.5°	2133.3	2060.4	1053.9	273.5	258.9	240.7	226.1	213.3	204.2	202.4	207.9
40°	2299.2	2206.2	880.7	257.1	246.2	224.3	202.4	180.5	160.5	147.7	149.5
42.5°	2550.9	2421.4	692.9	248.0	237.0	206.0	175.0	144.0	118.5	105.8	105.8
45°	2910.0	2705.8	508.7	238.9	226.1	184.2	144.0	107.6	82.1	74.8	76.6
47.5°	3451.6	3048.6	364.7	224.3	211.5	160.5	113.0	76.6	60.2	56.5	58.3
50°	4159.0	3455.2	284.4	207.9	193.3	134.9	83.9	56.5	47.4	45.6	47.4
52.5°	4901.1	3865.5	249.8	193.3	165.9	107.6	62.0	45.6	40.1	38.3	40.1
55°	5535.7	4129.9	217.0	171.4	133.1	80.2	49.2	40.1	34.6	29.2	29.2
57.5°	6177.5	4263.0	171.4	142.2	98.5	60.2	41.9	34.6	29.2	23.7	21.9
60°	6698.9	4357.8	122.2	105.8	69.3	47.4	36.5	31.0	23.7	18.2	16.4
62.5°	7041.7	4086.1	89.3	80.2	51.1	40.1	31.0	25.5	18.2	12.8	12.8
65°	6872.2	3710.5	69.3	56.5	38.3	31.0	25.5	18.2	12.8	7.3	5.5
67.5°	6166.5	3023.1	56.5	41.9	29.2	23.7	20.1	14.6	7.3	1.8	1.8
70°	4600.3	2215.4	45.6	31.0	23.7	18.2	14.6	9.1	3.6	1.8	0.0
72.5°	2516.2	1212.5	36.5	25.5	18.2	14.6	10.9	7.3	3.6	0.0	0.0
75°	831.4	322.7	27.4	18.2	10.9	9.1	7.3	5.5	1.8	0.0	0.0
77.5°	200.6	83.9	21.9	16.4	9.1	5.5	3.6	1.8	1.8	0.0	0.0
80°	62.0	34.6	16.4	10.9	7.3	5.5	1.8	0.0	0.0	0.0	0.0
82.5°	25.5	16.4	7.3	7.3	5.5	1.8	0.0	0.0	0.0	0.0	0.0
85°	12.8	9.1	5.5	3.6	3.6	1.8	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	3.6	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)