

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: P484080

Luminaire Tested: **IFLD-S-SA2B-760-U-SL2-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P484080
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-760-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

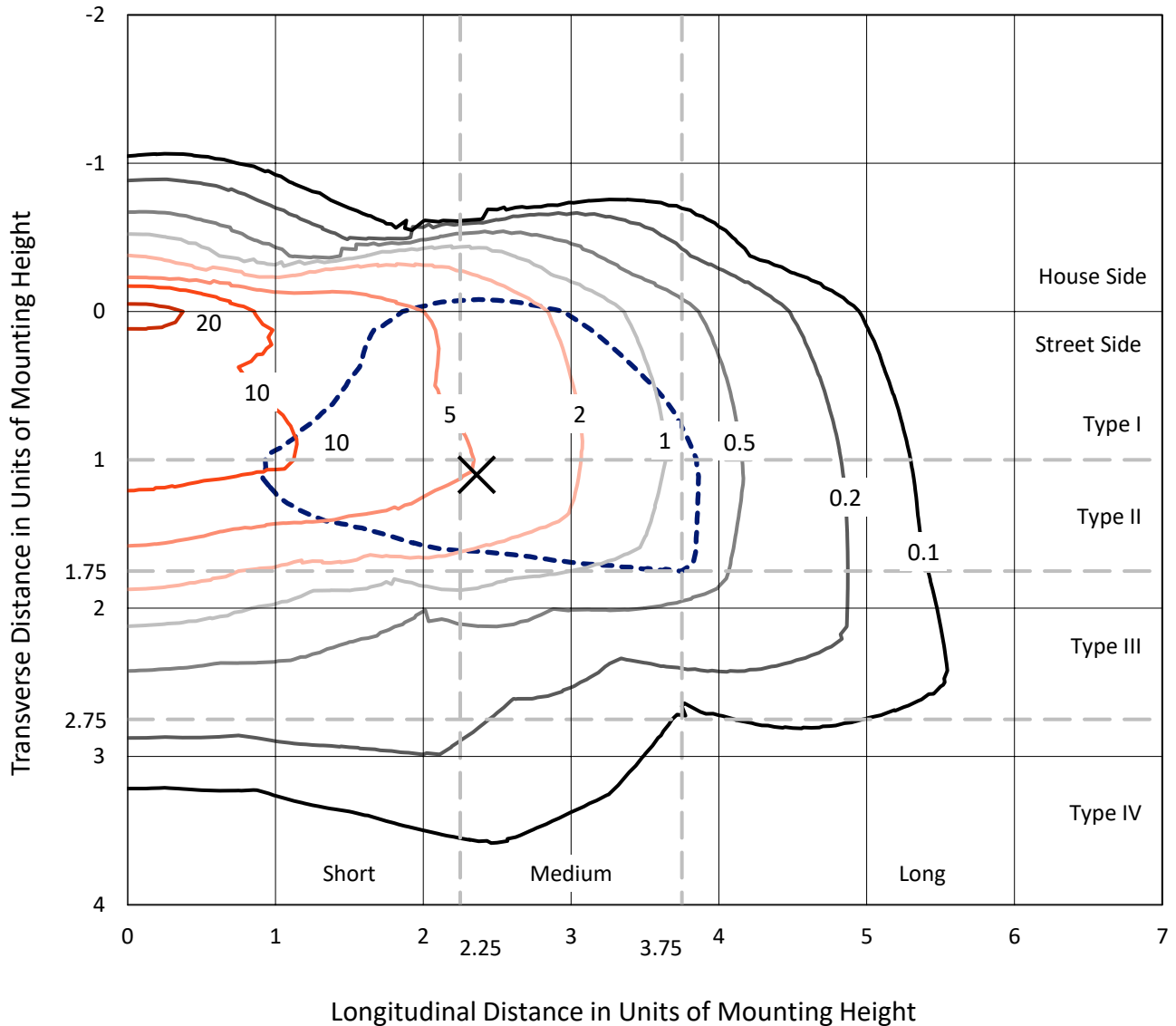
Lumens per Lamp: N/A
Luminaire Lumens: 9612.6 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (A_{in}): 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: P484080
 CATALOG NUMBER: IFLD-S-SA2B-760-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

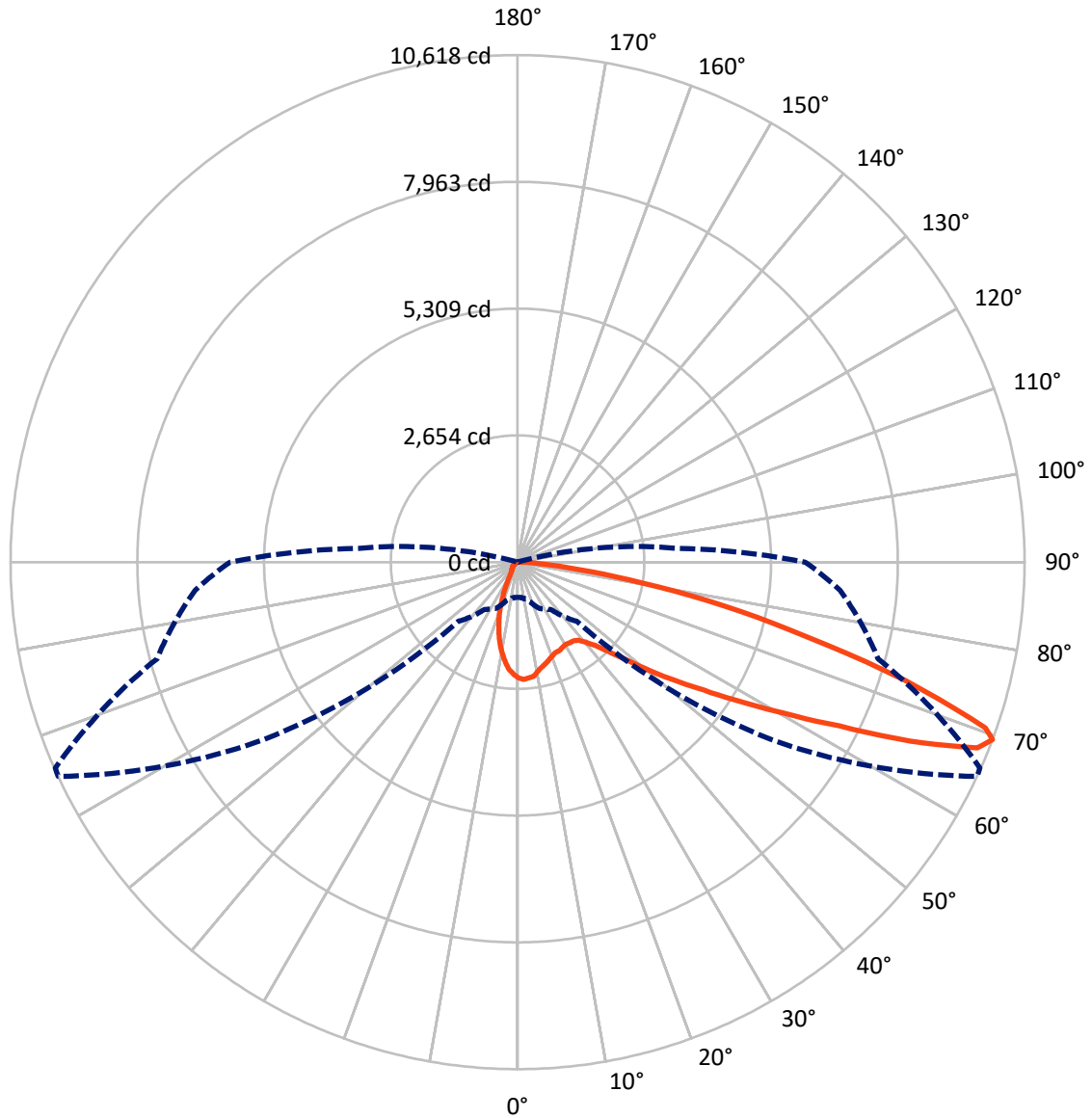
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P484080
CATALOG NUMBER: IFLD-S-SA2B-760-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P484080
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.1	0.0	1166.1
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	8446.6	0.0	8446.6
	% Fixture	87.9	0.0	87.9
Total	Lumens	9612.6	0.0	9612.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.3	2.1
10°-20°	433.9	4.5
20°-30°	604.1	6.3
30°-40°	856.1	8.9
40°-50°	1349.2	14.0
50°-60°	2189.3	22.8
60°-70°	2445.0	25.4
70°-80°	1376.8	14.3
80°-90°	159.8	1.7
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°	9612.6	100.0
0°-180°	9612.6	100.0

Coefficient of Utilization



REPORT NUMBER: P484080

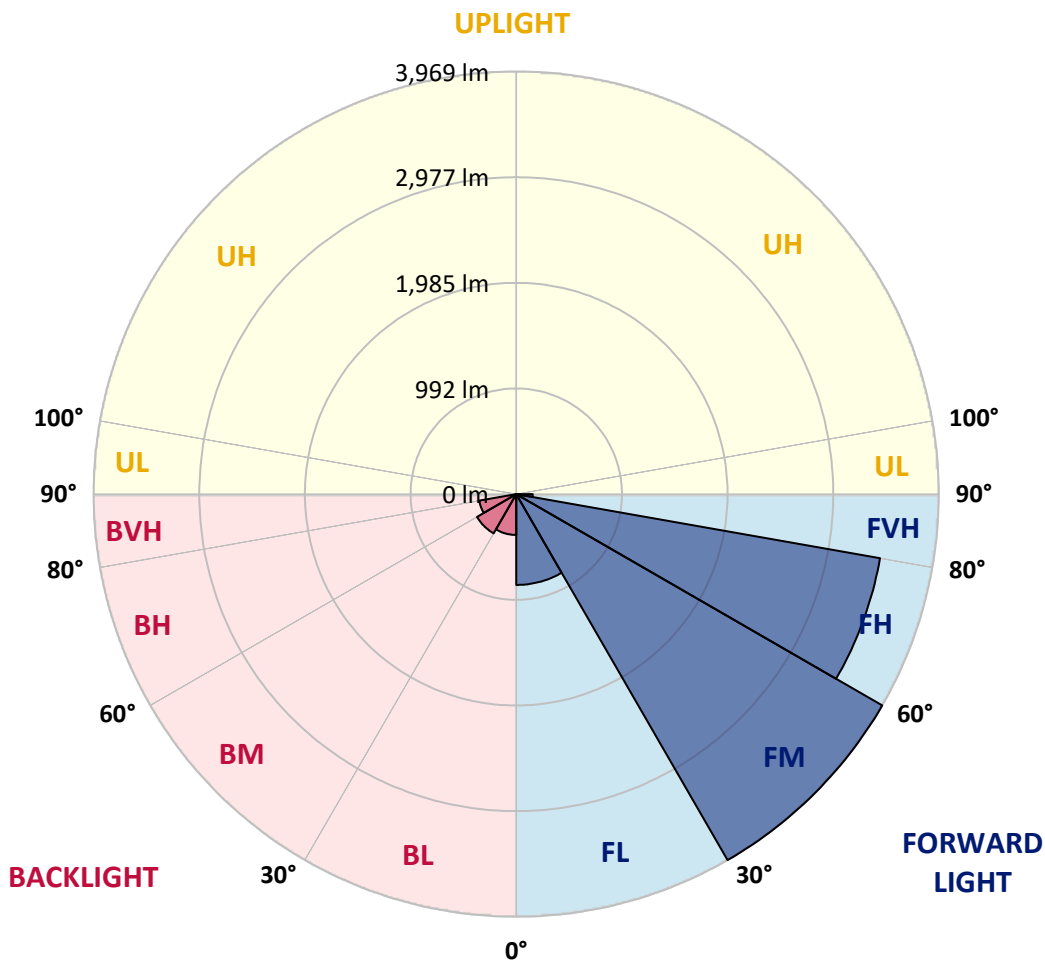
CATALOG NUMBER: IFLD-S-SA2B-760-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.0	8.9			
FM (30°-60°)	3969.1	41.3			
FH (60°-80°)	3469.0	36.1			G2/5000
FVH (80°-90°)	155.4	1.6			G2/225
BL (0°-30°)	383.4	4.0	B1/500		
BM (30°-60°)	425.5	4.4	B1/1000		
BH (60°-80°)	352.8	3.7	B1/500		G1/500
BVH (80°-90°)	4.4	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 II Medium





REPORT NUMBER: P484080

CATALOG NUMBER: IFLD-S-SA2B-760-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6
2.5°	2334.1	2352.2	2357.4	2375.6	2384.7	2423.6	2445.6	2458.6	2452.1	2466.4	2467.7
5°	2168.1	2157.7	2185.0	2204.4	2245.9	2313.3	2382.1	2435.2	2459.9	2483.2	2479.3
7.5°	1990.5	1985.3	2012.5	2056.6	2094.2	2175.9	2286.1	2417.1	2411.9	2469.0	2485.8
10°	1868.6	1873.8	1882.8	1926.9	1982.7	2065.7	2203.1	2325.0	2352.2	2472.8	2506.6
12.5°	1757.1	1766.1	1783.0	1828.4	1893.2	1978.8	2112.4	2255.0	2296.5	2450.8	2518.2
15°	1720.7	1700.0	1733.7	1767.4	1834.9	1911.4	2024.2	2201.8	2220.0	2424.9	2537.7
17.5°	1690.9	1678.0	1693.5	1720.7	1792.1	1854.3	1960.6	2144.8	2178.5	2414.5	2535.1
20°	1700.0	1688.3	1694.8	1715.6	1748.0	1806.3	1904.9	2090.3	2126.6	2366.5	2531.2
22.5°	1725.9	1735.0	1723.3	1728.5	1738.9	1768.7	1875.1	2051.4	2082.5	2357.4	2553.2
25°	1842.6	1827.1	1811.5	1805.0	1744.1	1757.1	1866.0	2048.8	2070.9	2325.0	2535.1
27.5°	1964.5	1951.6	1945.1	1907.5	1824.5	1785.6	1867.3	2012.5	2042.3	2312.0	2513.0
30°	2112.4	2129.2	2103.3	2057.9	1942.5	1846.5	1881.5	1994.4	2035.8	2262.8	2498.8
32.5°	2268.0	2277.0	2290.0	2256.3	2107.2	1938.6	1924.3	2011.2	2013.8	2262.8	2466.4
35°	2444.3	2431.3	2465.1	2467.7	2336.7	2102.0	2006.0	2022.9	2050.1	2252.4	2454.7
37.5°	2596.0	2618.1	2657.0	2719.2	2584.4	2332.8	2133.1	2077.3	2089.0	2300.4	2463.8
40°	2762.0	2784.1	2872.2	2934.5	2858.0	2592.1	2326.3	2204.4	2213.5	2371.7	2510.4
42.5°	2944.8	2987.6	3092.7	3201.6	3180.8	2921.5	2575.3	2391.1	2387.3	2549.3	2606.4
45°	3192.5	3249.6	3363.7	3489.5	3507.6	3298.9	2907.2	2669.9	2682.9	2781.5	2804.8
47.5°	3537.4	3534.9	3646.4	3786.4	3891.5	3690.5	3304.0	3044.7	3043.4	3148.4	3099.2
50°	3870.7	3872.0	3901.8	4063.9	4336.2	4233.8	3795.5	3542.6	3528.4	3580.2	3501.1
52.5°	4025.0	4006.9	3984.8	4180.6	4678.6	4918.5	4417.9	4106.7	4095.0	4063.9	4043.2
55°	3862.9	3869.4	3868.1	4071.7	4858.8	5640.7	5216.7	4727.8	4708.4	4611.1	4639.7
57.5°	3342.9	3322.2	3367.6	3685.3	4652.6	6133.5	6359.1	5511.1	5460.5	5137.6	5072.8
60°	2488.4	2494.9	2532.5	2907.2	4140.4	6237.2	7452.2	6430.4	6212.6	5508.5	5419.0
62.5°	1737.6	1724.6	1738.9	1949.0	2960.4	5822.3	8191.4	7548.2	7338.1	5929.9	5878.0
65°	1243.6	1226.7	1283.8	1412.1	1777.8	4451.6	8296.4	9036.8	8848.8	6602.9	6478.4
67.5°	894.7	892.1	958.3	1191.7	1263.0	2563.6	7518.4	10385.4	10271.3	7401.7	6844.1
69°	740.4	741.7	805.3	1067.2	1205.9	1750.6	6469.3	10617.5	10596.8	7814.0	6775.4
70°	645.8	651.0	724.9	993.3	1182.6	1439.4	5577.2	10389.3	10368.6	7894.4	6548.4
72.5°	398.1	402.0	499.2	796.2	1124.3	1174.8	3335.2	8500.0	8571.3	7526.2	5642.0
75°	190.6	191.9	261.9	575.7	1084.1	1113.9	1786.9	6272.2	6422.6	6076.4	4408.8
77.5°	101.1	101.1	125.8	306.0	877.9	1047.7	1060.7	4424.4	4548.9	3842.2	2506.6
80°	50.6	51.9	76.5	159.5	544.6	1027.0	828.6	2638.8	2706.3	1567.7	780.6
82.5°	19.5	20.7	36.3	96.0	282.7	867.5	727.5	1298.0	1281.2	367.0	190.6
85°	2.6	2.6	13.0	57.1	120.6	382.5	600.4	542.0	523.9	80.4	92.1
87.5°	0.0	0.0	2.6	16.9	36.3	111.5	232.1	149.1	166.0	22.0	45.4
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: P484080

CATALOG NUMBER: IFLD-S-SA2B-760-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6	2423.6
2.5°	2461.2	2433.9	2392.4	2352.2	2309.5	2257.6	2200.5	2179.8	2143.5	2140.9	2161.6
5°	2458.6	2414.5	2341.9	2256.3	2134.4	2042.3	1942.5	1869.9	1814.1	1777.8	1786.9
7.5°	2471.5	2418.4	2292.6	2108.5	1951.6	1768.7	1614.4	1508.1	1410.8	1362.9	1357.7
10°	2450.8	2379.5	2195.3	1937.3	1706.5	1451.0	1225.4	1082.8	937.5	884.4	887.0
12.5°	2462.5	2362.6	2090.3	1760.9	1443.2	1111.3	841.6	647.1	510.9	466.8	461.6
15°	2470.2	2326.3	1989.2	1549.6	1151.5	757.3	487.6	367.0	324.2	316.4	315.1
17.5°	2440.4	2282.2	1846.5	1340.8	853.2	460.3	324.2	299.5	291.8	286.6	284.0
20°	2439.1	2256.3	1723.3	1126.8	569.3	313.8	280.1	271.0	259.3	255.5	255.5
22.5°	2417.1	2201.8	1575.5	892.1	363.1	269.7	251.6	237.3	224.3	219.1	217.8
25°	2410.6	2138.3	1436.8	670.4	276.2	241.2	223.0	202.3	186.7	178.9	175.1
27.5°	2392.4	2083.8	1296.7	472.0	241.2	215.3	191.9	169.9	151.7	140.0	138.7
30°	2327.6	2026.8	1141.1	326.8	219.1	190.6	164.7	138.7	120.6	112.8	110.2
32.5°	2300.4	1973.6	971.2	251.6	199.7	168.6	138.7	115.4	101.1	93.4	92.1
35°	2268.0	1895.8	806.6	219.1	181.5	146.5	116.7	97.3	85.6	79.1	79.1
37.5°	2271.8	1833.6	652.2	198.4	162.1	125.8	99.8	83.0	72.6	66.1	66.1
40°	2260.2	1784.3	507.0	180.2	143.9	107.6	84.3	70.0	60.9	54.5	53.2
42.5°	2313.3	1771.3	382.5	164.7	125.8	92.1	72.6	59.6	50.6	42.8	42.8
45°	2402.8	1792.1	298.2	150.4	107.6	79.1	62.2	49.3	40.2	35.0	33.7
47.5°	2641.4	1873.8	233.4	138.7	92.1	68.7	51.9	40.2	32.4	27.2	25.9
50°	2987.6	2056.6	198.4	121.9	77.8	58.4	42.8	31.1	25.9	20.7	19.5
52.5°	3480.4	2363.9	180.2	107.6	64.8	48.0	33.7	24.6	19.5	15.6	14.3
55°	4017.2	2747.7	163.4	90.8	54.5	38.9	27.2	19.5	14.3	10.4	9.1
57.5°	4436.1	3079.7	149.1	75.2	44.1	31.1	20.7	14.3	10.4	6.5	5.2
60°	4893.8	3313.1	131.0	59.6	36.3	23.3	15.6	10.4	7.8	3.9	3.9
62.5°	5365.8	3586.7	107.6	46.7	28.5	18.2	11.7	7.8	5.2	1.3	1.3
65°	6022.0	3800.7	83.0	36.3	22.0	13.0	9.1	6.5	2.6	0.0	0.0
67.5°	6207.4	3695.6	60.9	28.5	15.6	9.1	6.5	3.9	1.3	0.0	0.0
69°	6022.0	3328.7	53.2	24.6	13.0	7.8	5.2	2.6	1.3	0.0	0.0
70°	5683.5	3043.4	46.7	20.7	11.7	7.8	3.9	2.6	1.3	0.0	0.0
72.5°	4753.8	2334.1	36.3	15.6	9.1	6.5	3.9	2.6	0.0	0.0	0.0
75°	3486.9	1442.0	27.2	11.7	7.8	5.2	3.9	2.6	0.0	0.0	0.0
77.5°	1868.6	526.5	19.5	7.8	5.2	3.9	3.9	2.6	0.0	0.0	0.0
80°	512.2	155.6	14.3	5.2	3.9	2.6	2.6	1.3	0.0	0.0	0.0
82.5°	140.0	40.2	9.1	5.2	3.9	2.6	1.3	0.0	0.0	0.0	0.0
85°	75.2	15.6	5.2	3.9	2.6	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	38.9	5.2	3.9	2.6	2.6	1.3	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)