

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: P483477

Luminaire Tested: **IFLD-S-SA6C-722-U-T4W-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P483477
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

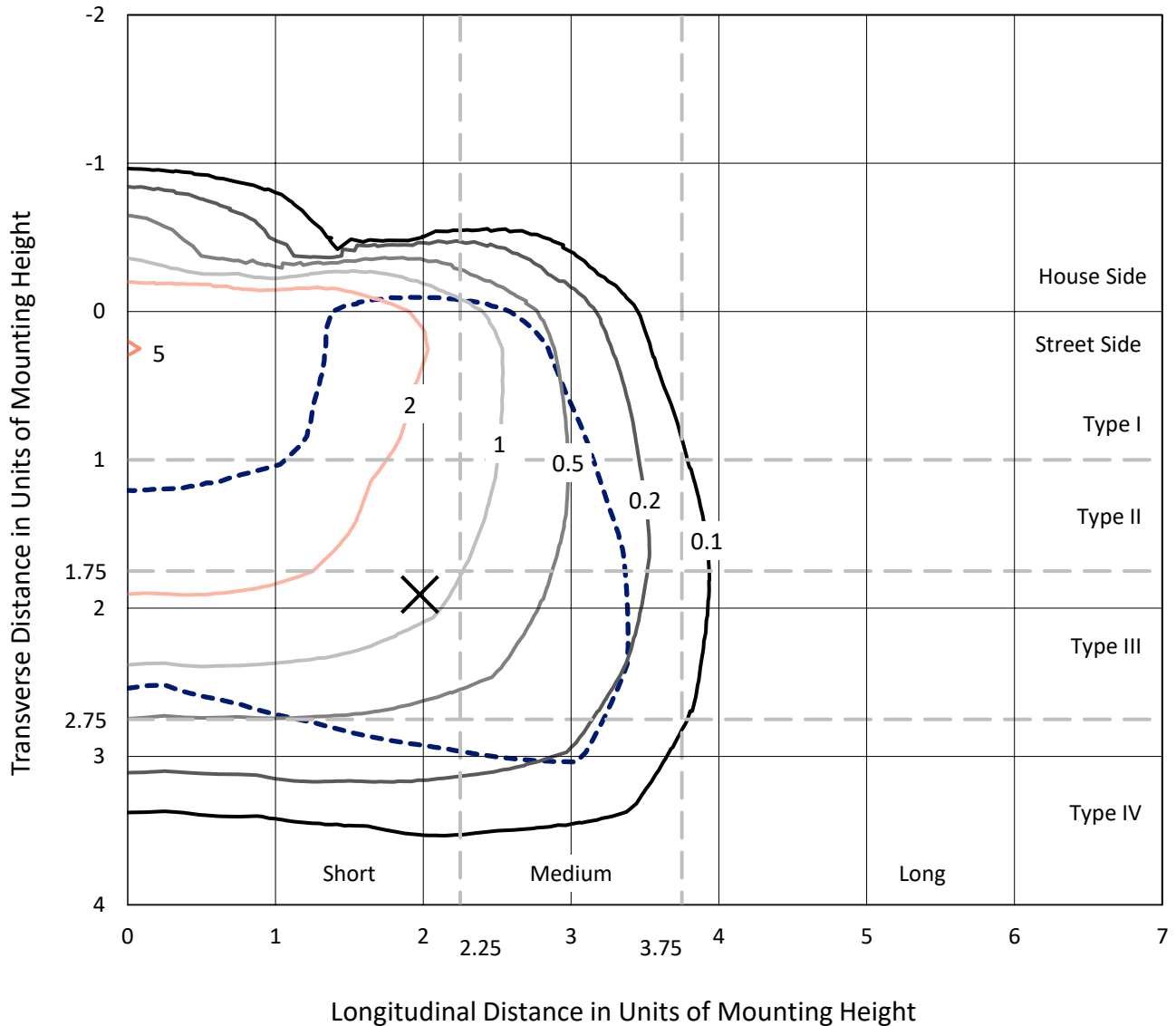
Lumens per Lamp: N/A
Luminaire Lumens: 22583 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
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

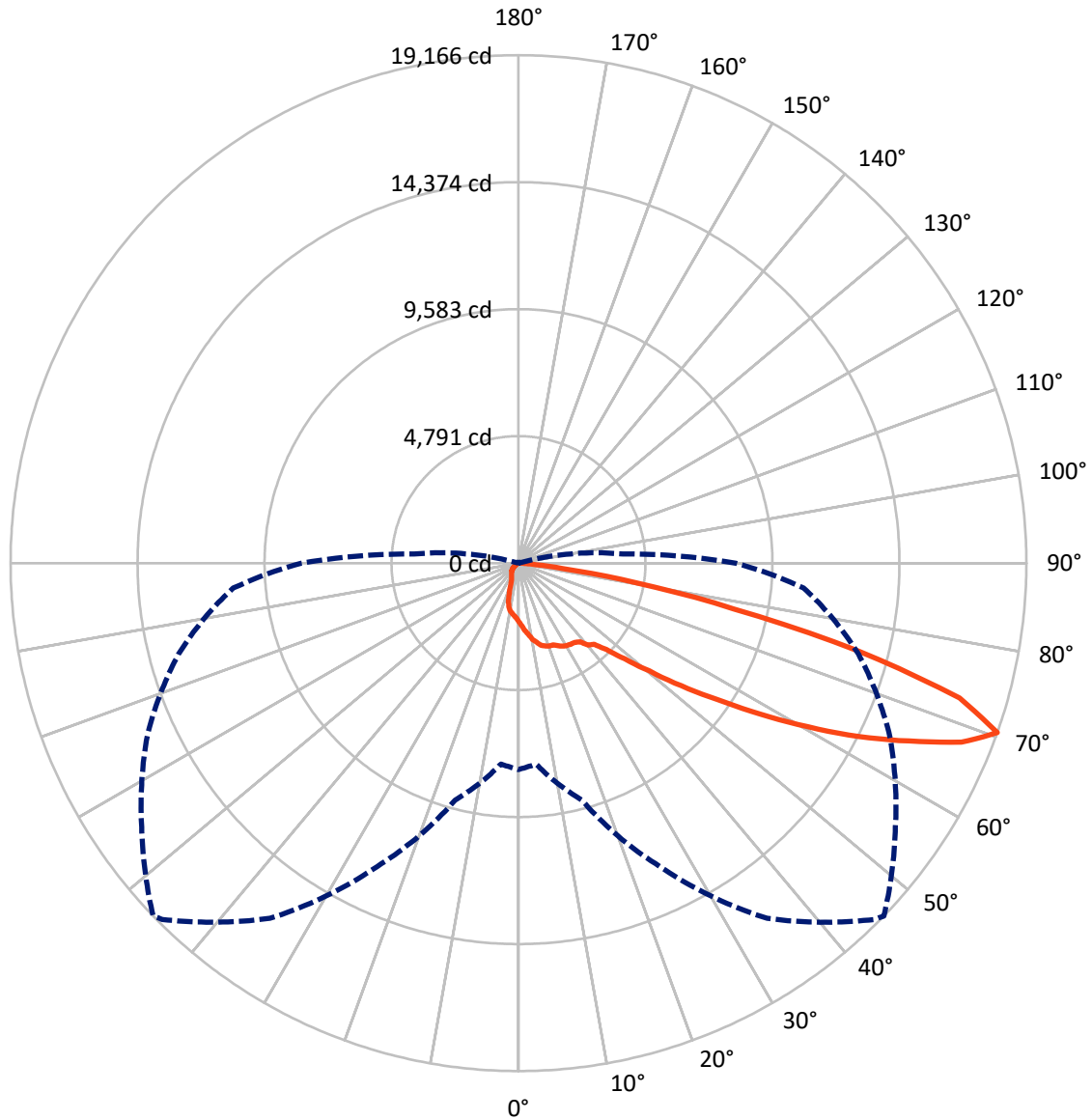
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2247.1	0.0	2247.1
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	20335.9	0.0	20335.9
	% Fixture	90.0	0.0	90.0
Total	Lumens	22583.0	0.0	22583.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	1.0
10°-20°	667.6	3.0
20°-30°	1069.3	4.7
30°-40°	1526.3	6.8
40°-50°	2635.5	11.7
50°-60°	5045.8	22.3
60°-70°	7472.1	33.1
70°-80°	3700.9	16.4
80°-90°	244.6	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°	22583.0	100.0
0°-180°	22583.0	100.0



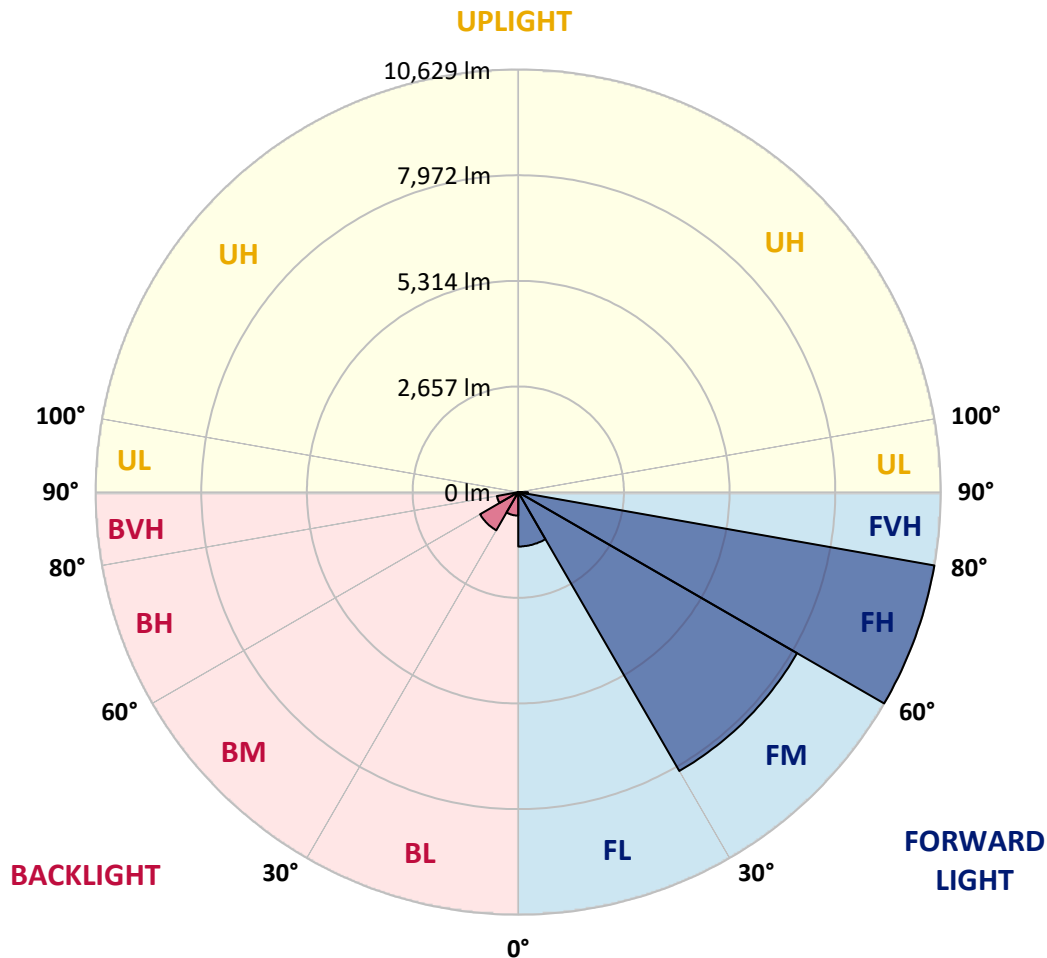
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1367.6	6.1			
FM (30°-60°)	8098.2	35.9			
FH (60°-80°)	10628.7	47.1			G4/12000
FVH (80°-90°)	241.4	1.1			G3/500
BL (0°-30°)	590.3	2.6	B2/1000		
BM (30°-60°)	1109.4	4.9	B2/2500		
BH (60°-80°)	544.2	2.4	B2/1000		G2/1000
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9
2.5°	2473.7	2457.5	2431.5	2421.7	2395.7	2382.7	2363.2	2353.5	2317.7	2282.0	2259.2
5°	2776.1	2737.1	2750.1	2711.0	2626.5	2558.3	2555.0	2480.2	2399.0	2334.0	2246.2
7.5°	3081.6	3049.1	3000.4	2945.1	2850.8	2750.1	2720.8	2649.3	2535.5	2421.7	2304.7
10°	3312.4	3289.7	3247.4	3169.4	3039.4	2925.6	2928.8	2808.6	2688.3	2558.3	2399.0
12.5°	3455.4	3465.2	3403.4	3325.4	3211.6	3068.6	3065.4	2984.1	2847.6	2711.0	2522.5
15°	3598.5	3634.2	3540.0	3448.9	3302.7	3198.6	3218.1	3120.6	2987.4	2831.3	2623.3
17.5°	3621.2	3631.0	3611.5	3478.2	3370.9	3283.2	3286.4	3221.4	3120.6	2951.6	2772.8
20°	3582.2	3575.7	3553.0	3455.4	3383.9	3331.9	3335.2	3318.9	3263.7	3127.1	2883.3
22.5°	3468.4	3468.4	3439.2	3374.2	3341.7	3390.4	3351.4	3413.2	3354.7	3273.4	3071.9
25°	3377.4	3413.2	3396.9	3354.7	3367.7	3432.7	3452.2	3510.7	3501.0	3400.2	3201.9
27.5°	3474.9	3432.7	3442.4	3393.7	3442.4	3540.0	3549.7	3592.0	3588.7	3507.5	3318.9
30°	3540.0	3579.0	3504.2	3396.9	3448.9	3614.7	3608.2	3663.5	3689.5	3592.0	3429.4
32.5°	3748.0	3715.5	3653.7	3510.7	3517.2	3611.5	3640.7	3712.2	3728.5	3670.0	3536.7
35°	4173.8	4125.1	3855.3	3640.7	3608.2	3653.7	3673.2	3813.0	3842.3	3777.3	3650.5
37.5°	4830.5	4719.9	4394.9	3920.3	3774.0	3764.3	3764.3	3949.5	4060.1	3910.5	3819.5
40°	5769.9	5613.9	5262.8	4437.1	3991.8	4030.8	4069.8	4170.6	4157.6	4060.1	4040.6
42.5°	6966.2	6845.9	6465.6	5305.1	4407.9	4212.8	4180.3	4316.9	4521.7	4482.7	4469.6
45°	7964.1	7970.6	7726.8	6494.8	5126.3	4632.2	4654.9	4759.0	5103.5	5074.3	5071.0
47.5°	8692.2	8601.2	8565.5	7642.3	6173.0	5428.6	5396.1	5467.6	5916.2	6101.5	6186.0
50°	9355.4	9293.6	9209.1	8757.3	7431.0	6426.5	6394.0	6400.5	7086.4	7346.5	7554.5
52.5°	10177.8	10255.8	9976.3	9700.0	9059.6	7723.6	7687.8	7561.0	8412.7	8770.3	9017.3
55°	11192.0	11045.7	10730.4	10873.4	10616.6	9124.6	9059.6	8910.0	9924.2	10073.8	10333.8
57.5°	11416.3	11305.8	11630.8	12137.9	12385.0	10769.4	10743.4	10473.6	11195.3	11058.7	11793.4
60°	11975.4	12004.7	12456.5	13464.2	13893.3	12667.8	12541.0	12066.4	12427.3	12453.3	13236.7
62.5°	12550.8	12482.5	13493.5	14462.2	15122.0	14465.4	14423.2	13480.5	13890.0	13558.5	14595.4
65°	12128.2	12232.2	13678.8	15300.8	16714.9	16224.0	16188.3	14842.5	15066.8	14653.9	15148.0
67.5°	10626.4	10415.1	12440.3	14917.3	17534.0	18067.1	18028.1	16328.0	15729.9	14647.4	14000.6
70°	7788.6	7606.5	9257.9	12632.0	16360.5	19009.8	19165.9	17361.7	15460.1	13282.2	10801.9
72.5°	3816.3	3819.5	5188.0	8565.5	12944.1	17326.0	17404.0	15918.5	13282.2	9791.0	6117.7
75°	1128.0	1141.0	1921.1	4199.8	8367.2	13158.6	13246.4	12082.7	9205.9	5058.0	2086.9
77.5°	412.8	412.8	637.1	1576.6	4173.8	8305.4	8298.9	7418.0	4661.4	1713.1	487.6
80°	214.5	224.3	331.6	643.6	1807.4	4326.6	4489.2	3631.0	1771.6	721.6	143.0
82.5°	87.8	97.5	182.0	331.6	867.9	1518.1	1661.1	1423.8	770.4	503.9	65.0
85°	26.0	29.3	87.8	185.3	341.3	380.3	422.6	477.8	484.3	390.1	29.3
87.5°	3.3	3.3	35.8	61.8	74.8	81.3	94.3	94.3	247.0	273.1	16.3
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°	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9
2.5°	2233.2	2216.9	2190.9	2132.4	2119.4	2077.2	2073.9	2034.9	2047.9	2021.9	2012.2
5°	2216.9	2181.2	2109.7	2064.2	2018.7	1989.4	1969.9	1953.6	1950.4	1937.4	1930.9
7.5°	2246.2	2197.4	2086.9	2015.4	1937.4	1911.4	1869.1	1865.9	1843.1	1820.4	1820.4
10°	2343.7	2256.0	2135.7	2015.4	1914.6	1830.1	1732.6	1661.1	1635.1	1576.6	1583.1
12.5°	2421.7	2343.7	2168.2	2044.7	1891.9	1700.1	1485.5	1319.8	1241.7	1167.0	1196.2
15°	2532.3	2418.5	2229.9	2051.2	1804.1	1472.5	1121.5	936.2	864.7	848.4	845.2
17.5°	2652.5	2532.3	2308.0	2034.9	1625.3	1137.7	825.7	718.4	731.4	750.9	747.7
20°	2785.8	2639.5	2366.5	1979.6	1342.5	825.7	676.1	672.9	692.4	721.6	728.1
22.5°	2925.6	2798.8	2438.0	1813.9	1001.2	663.1	650.1	650.1	663.1	698.9	692.4
25°	3081.6	2912.6	2473.7	1557.1	718.4	611.1	617.6	630.6	637.1	666.4	669.6
27.5°	3201.9	3039.4	2483.5	1248.3	585.1	565.6	581.9	598.1	607.9	630.6	640.4
30°	3312.4	3198.6	2431.5	929.7	536.4	526.6	533.1	555.9	575.4	594.9	594.9
32.5°	3452.2	3289.7	2311.2	659.9	507.1	490.8	487.6	497.4	520.1	542.9	542.9
35°	3595.2	3442.4	2119.4	529.9	481.1	458.3	445.3	435.6	445.3	461.6	474.6
37.5°	3803.3	3673.2	1878.9	487.6	461.6	429.1	403.1	380.3	364.1	360.8	370.6
40°	4099.1	3933.3	1570.1	458.3	438.8	399.8	360.8	321.8	286.1	263.3	266.6
42.5°	4547.7	4316.9	1235.2	442.1	422.6	367.3	312.1	256.8	211.3	188.5	188.5
45°	5188.0	4824.0	906.9	425.8	403.1	328.3	256.8	191.8	146.3	133.3	136.5
47.5°	6153.5	5435.1	650.1	399.8	377.1	286.1	201.5	136.5	107.3	100.8	104.0
50°	7414.7	6160.0	507.1	370.6	344.6	240.5	149.5	100.8	84.5	81.3	84.5
52.5°	8737.8	6891.4	445.3	344.6	295.8	191.8	110.5	81.3	71.5	68.3	71.5
55°	9869.0	7362.7	386.8	305.6	237.3	143.0	87.8	71.5	61.8	52.0	52.0
57.5°	11013.2	7600.0	305.6	253.6	175.5	107.3	74.8	61.8	52.0	42.3	39.0
60°	11942.9	7769.1	217.8	188.5	123.5	84.5	65.0	55.3	42.3	32.5	29.3
62.5°	12554.0	7284.7	159.3	143.0	91.0	71.5	55.3	45.5	32.5	22.8	22.8
65°	12251.7	6615.1	123.5	100.8	68.3	55.3	45.5	32.5	22.8	13.0	9.8
67.5°	10993.7	5389.6	100.8	74.8	52.0	42.3	35.8	26.0	13.0	3.3	3.3
70°	8201.4	3949.5	81.3	55.3	42.3	32.5	26.0	16.3	6.5	3.3	0.0
72.5°	4485.9	2161.7	65.0	45.5	32.5	26.0	19.5	13.0	6.5	0.0	0.0
75°	1482.3	575.4	48.8	32.5	19.5	16.3	13.0	9.8	3.3	0.0	0.0
77.5°	357.6	149.5	39.0	29.3	16.3	9.8	6.5	3.3	3.3	0.0	0.0
80°	110.5	61.8	29.3	19.5	13.0	9.8	3.3	0.0	0.0	0.0	0.0
82.5°	45.5	29.3	13.0	13.0	9.8	3.3	0.0	0.0	0.0	0.0	0.0
85°	22.8	16.3	9.8	6.5	6.5	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	16.3	6.5	3.3	3.3	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)