

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: P482035

Luminaire Tested: **IFLD-S-SA6D-735-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482035
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-735-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

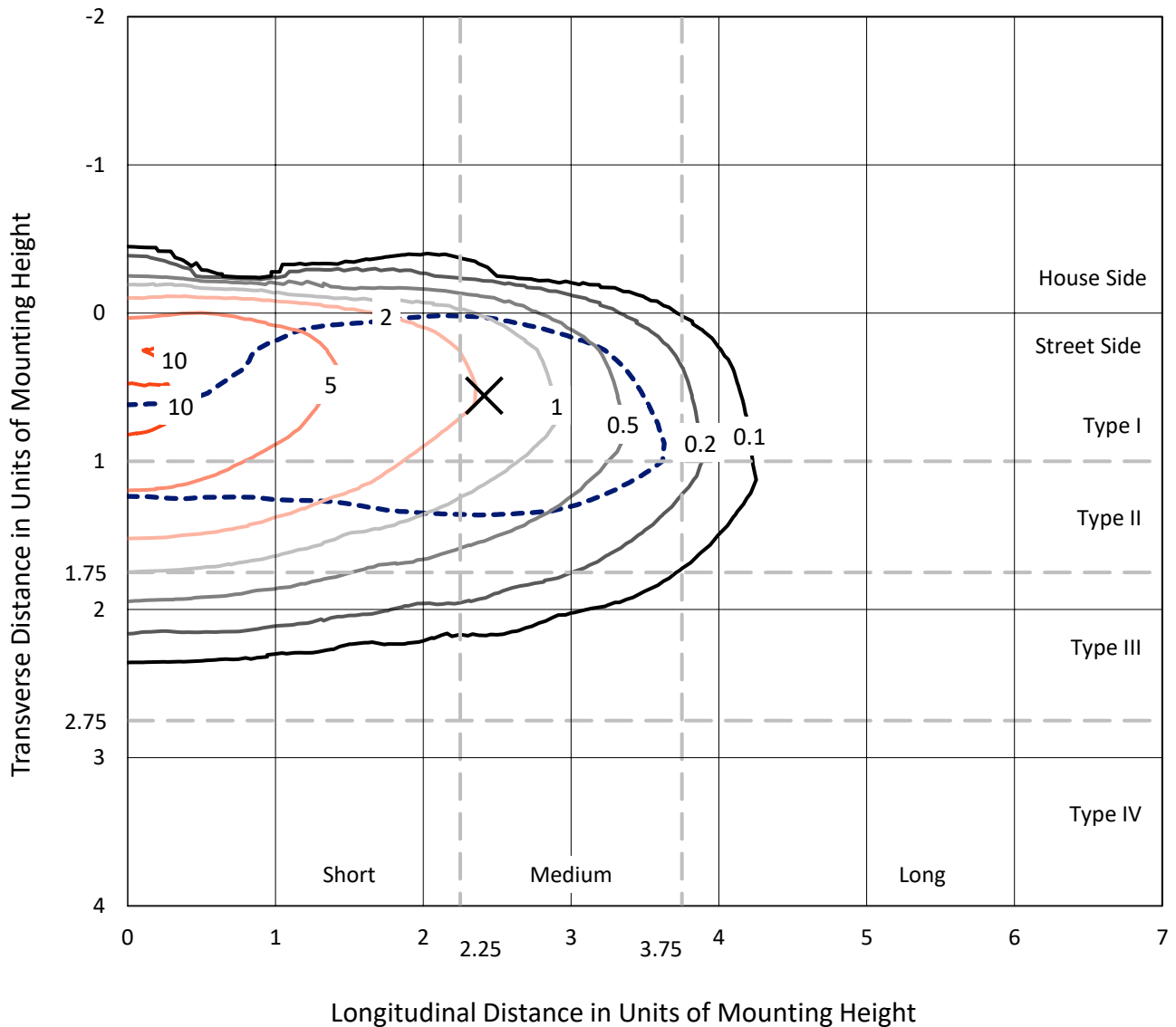
Lumens per Lamp: N/A
Luminaire Lumens: 35454.4 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 368.2
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

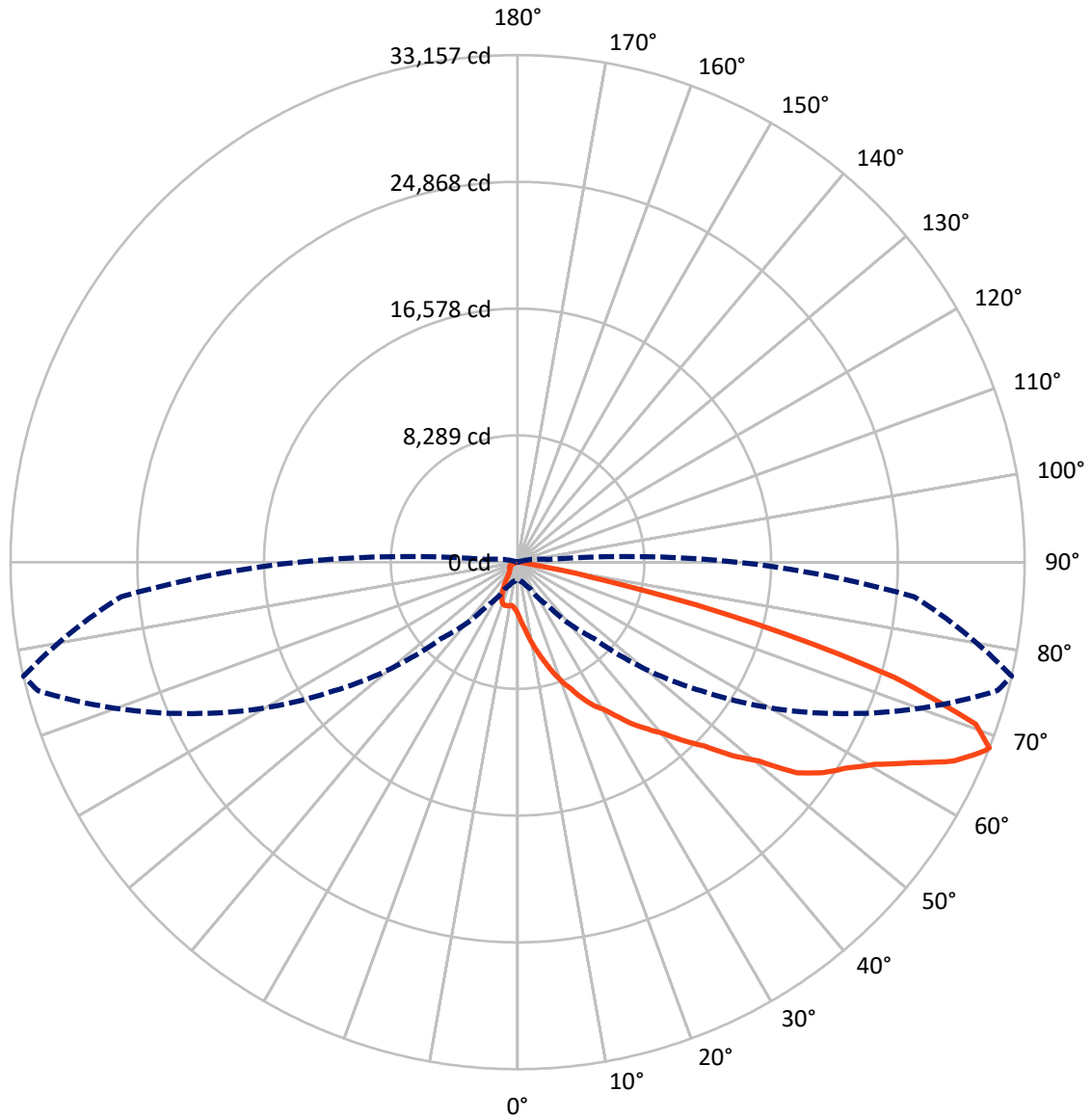
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.8	0.0	1607.8
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	33846.6	0.0	33846.6
	% Fixture	95.5	0.0	95.5
Total	Lumens	35454.4	0.0	35454.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.6	1.1
10°-20°	1462.7	4.1
20°-30°	2834.8	8.0
30°-40°	4942.0	13.9
40°-50°	7238.0	20.4
50°-60°	8503.5	24.0
60°-70°	7180.4	20.3
70°-80°	2783.3	7.9
80°-90°	113.2	0.3
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°	35454.4	100.0
0°-180°	35454.4	100.0

Coefficient of Utilization

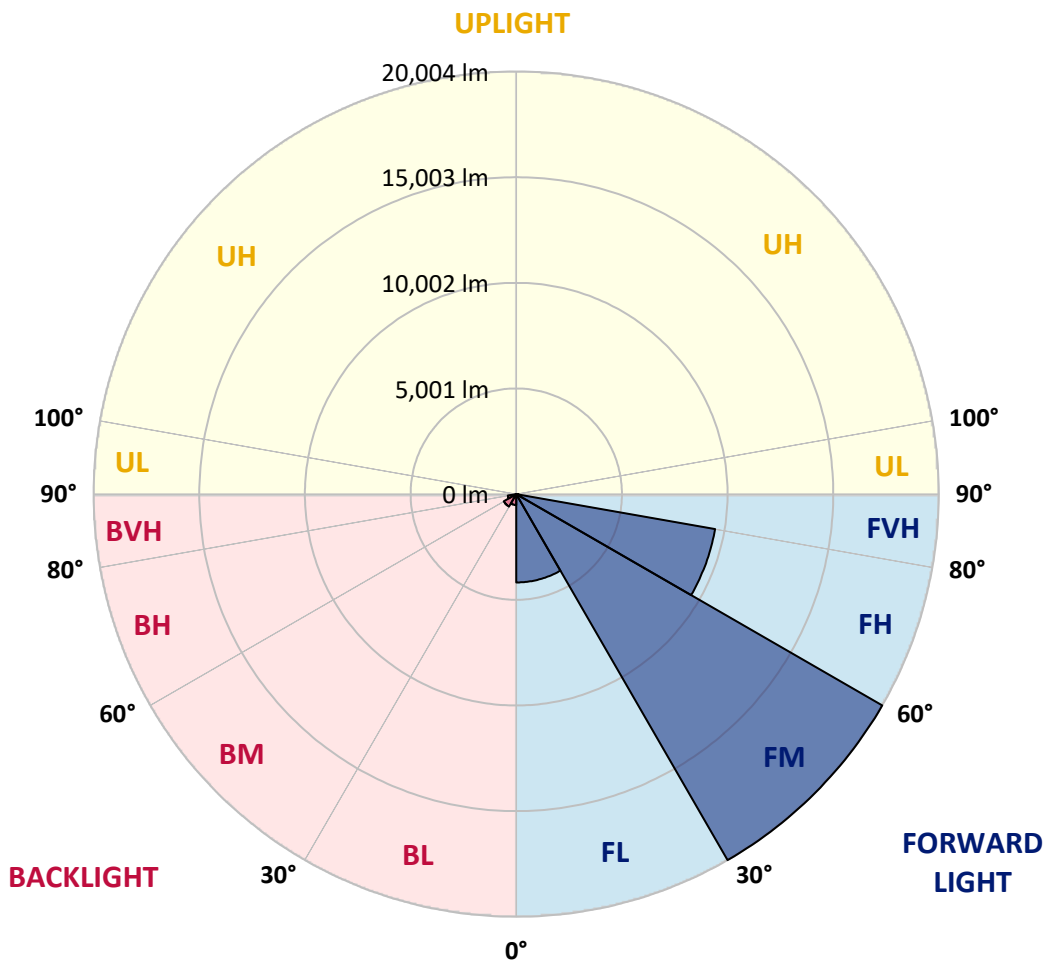


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4180.4	11.8			
FM (30°-60°)	20004.0	56.4			
FH (60°-80°)	9557.8	27.0			G4/12000
FVH (80°-90°)	104.4	0.3			G2/225
BL (0°-30°)	513.7	1.4	B2/1000		
BM (30°-60°)	679.4	1.9	B1/1000		
BH (60°-80°)	406.0	1.1	B1/500		G1/500
BVH (80°-90°)	8.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8
2.5°	5158.2	5060.5	4957.9	4928.6	4738.1	4523.2	4322.9	4127.5	3800.2	3805.1	3580.4
5°	6648.0	6525.9	6442.8	6423.3	6125.3	5754.1	5451.2	4899.3	4357.1	4235.0	3824.7
7.5°	7874.0	7834.9	7712.8	7610.2	7390.4	6936.2	6579.6	5788.3	4962.8	4826.0	4122.6
10°	8616.5	8675.1	8728.8	8596.9	8426.0	8098.7	7610.2	6755.4	5651.5	5480.5	4508.5
12.5°	9407.8	9310.1	9344.3	9451.7	9227.0	9153.8	8548.1	7751.9	6457.5	6130.2	4997.0
15°	9612.9	9652.0	9735.0	10047.7	10199.1	9989.0	9466.4	8557.9	7292.7	6838.5	5451.2
17.5°	9749.7	9730.2	9832.7	10301.7	10531.2	10731.5	10404.2	9456.6	8020.5	7615.1	6017.9
20°	9920.7	9813.2	10037.9	10335.9	10868.3	11288.4	11273.7	10360.3	8782.5	8352.7	6579.6
22.5°	10555.7	10472.6	10653.4	10682.7	11053.9	11640.0	11781.7	11097.9	9564.1	9036.5	7185.3
25°	11728.0	11879.4	11664.5	11478.9	11591.2	11977.1	12079.7	11752.4	10350.5	9866.9	7791.0
27.5°	13442.5	13422.9	12998.0	12758.6	12490.0	12441.1	12514.4	12363.0	10970.9	10624.0	8289.2
30°	15284.0	15122.8	14732.0	14155.6	13564.6	13198.2	13095.7	12939.4	11698.7	11195.5	8782.5
32.5°	16749.4	16837.3	16402.6	15650.3	14668.5	14175.2	13681.8	13510.9	12499.7	12055.2	9349.2
35°	18097.5	17980.3	17633.5	16998.5	16119.2	15323.1	14551.3	14184.9	13462.0	13022.4	9974.4
37.5°	19094.0	19240.5	18581.1	17975.4	17101.1	16441.6	15684.5	14883.4	14453.6	13867.4	10736.4
40°	20036.7	19807.1	19362.6	18805.8	17994.9	17491.8	16993.6	15743.1	15508.7	14751.6	11596.1
42.5°	19870.6	19885.3	19641.1	19191.7	18605.5	18317.3	18146.4	16788.4	16466.1	15982.5	12436.2
45°	19191.7	19250.3	19333.3	19113.5	19162.4	18874.2	19333.3	17990.1	17672.6	17159.7	13403.4
47.5°	18444.3	18542.0	18522.5	18923.0	19377.3	19475.0	20622.9	19323.6	19186.8	18903.5	14741.8
50°	17203.6	17242.7	17618.8	18346.6	18967.0	19987.9	21590.0	20779.2	20989.2	20432.4	16334.2
52.5°	15083.7	15225.4	16192.5	17232.9	18483.4	20246.7	22244.6	22943.1	23475.5	22904.0	17863.1
55°	12402.0	12597.4	13549.9	15498.9	17330.6	19856.0	22840.5	24086.1	25165.6	24301.0	18791.1
57.5°	9979.3	9998.8	10853.6	12866.1	15694.3	19089.1	23143.3	24642.9	26093.6	25400.0	19924.4
60°	7605.4	7527.2	8294.1	10037.9	12939.4	17203.6	22386.2	24926.2	27251.3	26850.8	21287.2
62.5°	4894.4	4772.3	5607.5	7307.4	10106.3	14062.8	20872.0	24931.1	29058.6	28907.2	23568.3
65°	2422.8	2339.7	3057.8	4479.2	6994.8	10755.9	18713.0	24838.3	31266.5	31364.1	25790.8
67.5°	1279.8	1309.1	1538.7	2271.3	4034.7	7600.5	15459.8	23749.0	32394.8	32941.9	26328.1
68°	1177.2	1187.0	1367.7	1890.3	3502.3	7048.5	14688.1	23431.5	32482.7	33156.8	26030.1
70°	957.4	972.0	1035.5	1187.0	1895.2	4586.7	11332.3	20735.2	31159.0	31774.5	23563.4
72.5°	762.0	806.0	845.0	908.5	1113.7	2408.1	7048.5	16158.3	25741.9	25810.3	18341.7
75°	581.3	615.5	693.6	747.3	869.5	1323.7	3355.7	9852.3	16891.0	16060.6	10804.8
77.5°	449.4	478.7	512.9	586.2	727.8	893.9	1025.8	4181.2	7175.5	5905.5	3052.9
80°	268.7	288.2	400.5	459.2	635.0	605.7	405.4	1162.5	1455.6	1147.9	556.8
82.5°	156.3	171.0	229.6	351.7	444.5	327.3	239.3	361.5	356.6	312.6	185.6
85°	4.9	9.8	127.0	210.0	156.3	87.9	146.5	151.4	127.0	117.2	83.0
87.5°	0.0	4.9	34.2	29.3	34.2	19.5	29.3	39.1	48.8	44.0	34.2
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°	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8	3394.8
2.5°	3429.0	3321.5	3082.2	2901.5	2706.1	2588.8	2471.6	2398.3	2359.3	2334.8	2354.4
5°	3516.9	3292.2	2906.3	2564.4	2339.7	2188.3	2036.9	1958.7	1885.5	1846.4	1870.8
7.5°	3712.3	3375.3	2735.4	2364.2	2100.4	1865.9	1675.4	1524.0	1436.1	1357.9	1372.6
10°	3951.7	3424.1	2740.3	2246.9	1865.9	1494.7	1226.0	1035.5	928.1	859.7	854.8
12.5°	4195.9	3614.6	2759.8	2129.7	1577.7	1123.5	806.0	664.3	600.8	566.6	566.6
15°	4567.1	3785.6	2711.0	1914.8	1196.7	732.7	552.0	503.1	478.7	449.4	454.3
17.5°	4889.5	4059.1	2686.5	1592.4	820.6	527.5	459.2	405.4	381.0	351.7	351.7
20°	5324.2	4230.1	2554.7	1230.9	566.6	439.6	371.2	322.4	283.3	258.9	263.8
22.5°	5719.9	4362.0	2320.2	840.2	434.7	346.8	273.5	224.7	190.5	161.2	166.1
25°	6149.7	4493.9	1978.3	517.8	307.7	214.9	146.5	107.5	73.3	53.7	53.7
27.5°	6457.5	4532.9	1533.8	307.7	185.6	97.7	34.2	4.9	0.0	0.0	0.0
30°	6770.1	4547.6	1060.0	166.1	73.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	7126.7	4542.7	664.3	87.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0
35°	7400.2	4459.7	317.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7815.4	4337.5	97.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	8289.2	4117.7	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8714.2	3893.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9197.7	3614.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10047.7	3497.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11156.5	3404.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11840.3	3131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12196.9	2847.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	12724.4	2711.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13506.0	2720.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	14727.1	2857.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	15401.2	2720.7	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	14829.7	2178.5	92.8	24.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0
68°	14336.4	2002.7	92.8	24.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	11850.1	1304.2	87.9	24.4	9.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	8631.1	722.9	73.3	19.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	5021.4	361.5	53.7	19.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1309.1	180.7	44.0	24.4	14.7	4.9	0.0	0.0	0.0	0.0	0.0
80°	258.9	117.2	39.1	29.3	19.5	9.8	0.0	0.0	0.0	0.0	0.0
82.5°	122.1	83.0	39.1	29.3	24.4	14.7	4.9	0.0	0.0	0.0	0.0
85°	63.5	39.1	39.1	29.3	29.3	19.5	9.8	0.0	0.0	0.0	0.0
87.5°	29.3	14.7	14.7	14.7	14.7	9.8	4.9	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)