

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: P482073

Luminaire Tested: **IFLD-S-SA6C-740-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482073
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-740-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

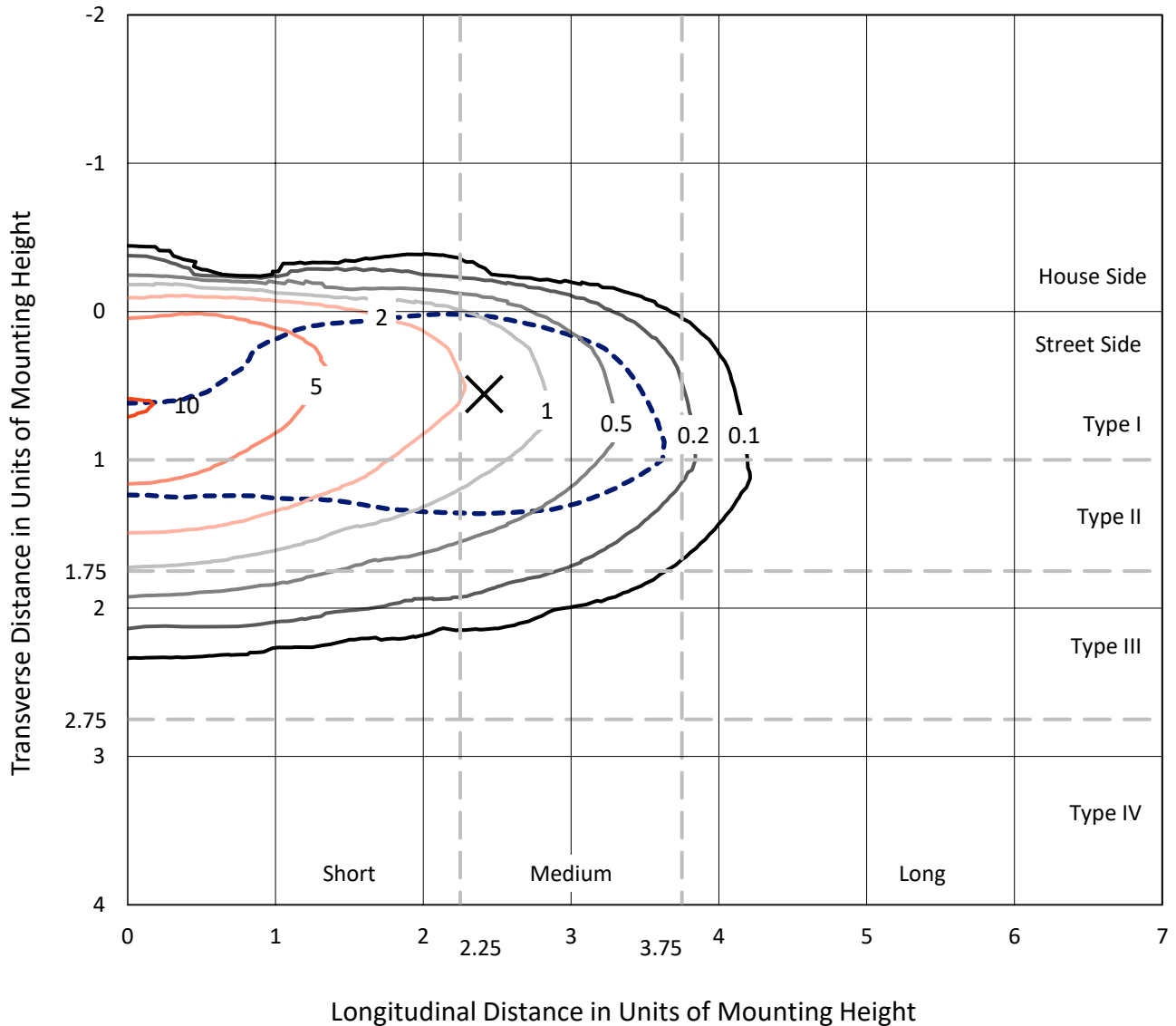
Lumens per Lamp: N/A
Luminaire Lumens: 32668.4 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G4

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

REPORT NUMBER: P482073
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

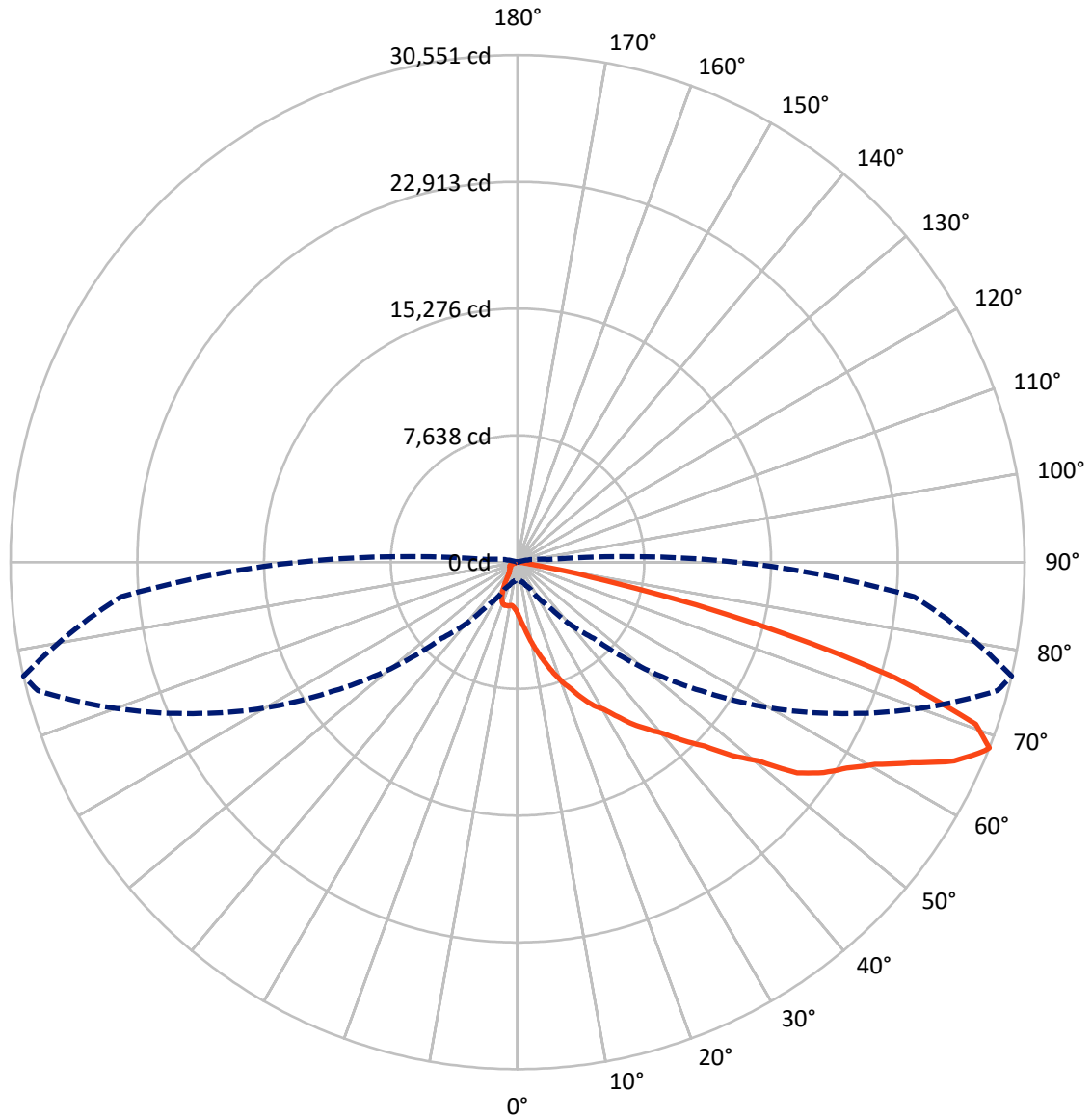
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P482073
CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P482073
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1481.5	0.0	1481.5
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	31186.9	0.0	31186.9
	% Fixture	95.5	0.0	95.5
Total	Lumens	32668.4	0.0	32668.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	1.1
10°-20°	1347.8	4.1
20°-30°	2612.0	8.0
30°-40°	4553.6	13.9
40°-50°	6669.2	20.4
50°-60°	7835.3	24.0
60°-70°	6616.2	20.3
70°-80°	2564.6	7.9
80°-90°	104.3	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°	32668.4	100.0
0°-180°	32668.4	100.0

Coefficient of Utilization



REPORT NUMBER: P482073

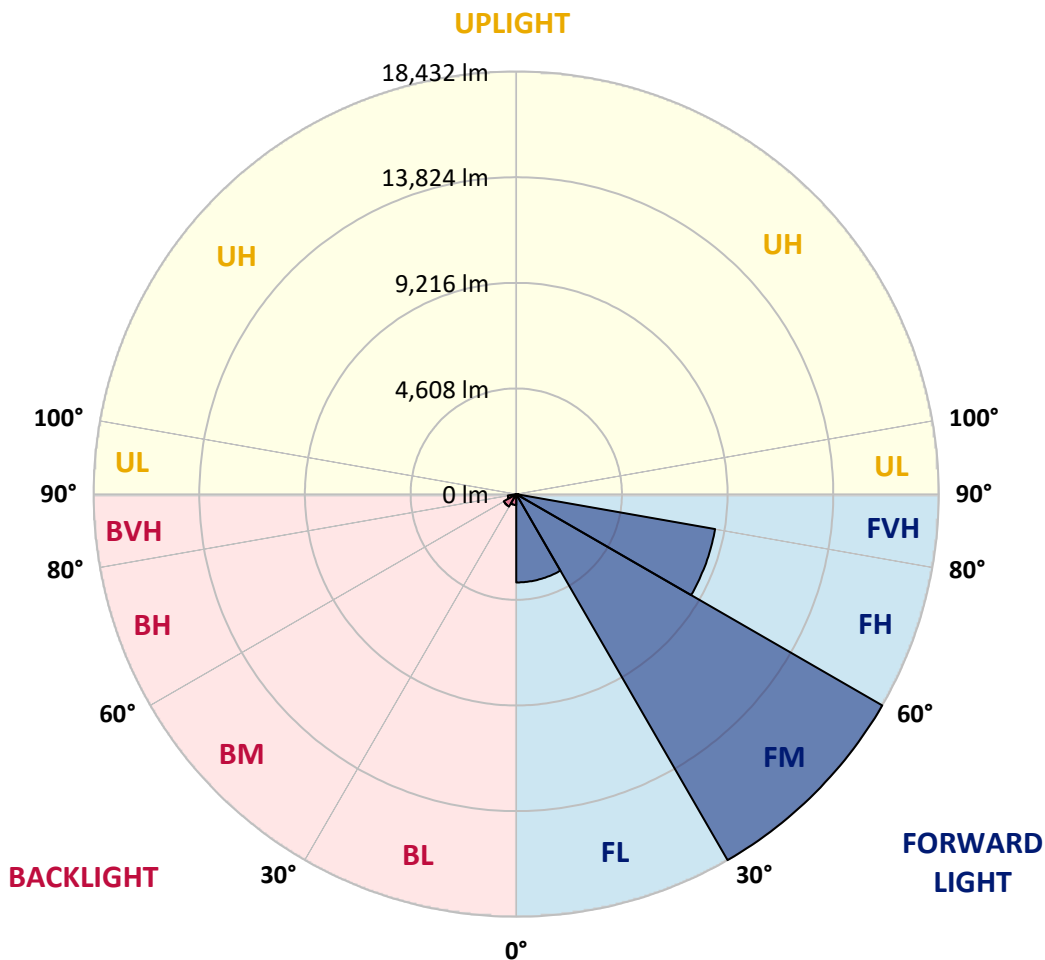
CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3851.9	11.8			
FM (30°-60°)	18432.1	56.4			
FH (60°-80°)	8806.7	27.0			G4/12000
FVH (80°-90°)	96.2	0.3			G1/100
BL (0°-30°)	473.3	1.4	B1/500		
BM (30°-60°)	626.0	1.9	B1/1000		
BH (60°-80°)	374.1	1.1	B1/500		G1/500
BVH (80°-90°)	8.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4

Type II Medium





REPORT NUMBER: P482073

CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0
2.5°	4752.8	4662.8	4568.3	4541.3	4365.8	4167.7	3983.2	3803.2	3501.6	3506.1	3299.1
5°	6125.6	6013.0	5936.5	5918.5	5644.0	5301.9	5022.9	4514.3	4014.7	3902.2	3524.1
7.5°	7255.3	7219.3	7106.7	7012.2	6809.7	6391.1	6062.6	5333.4	4572.8	4446.8	3798.7
10°	7939.4	7993.4	8042.9	7921.4	7763.9	7462.3	7012.2	6224.6	5207.4	5049.9	4154.2
12.5°	8668.5	8578.5	8610.0	8709.0	8502.0	8434.5	7876.4	7142.7	5950.0	5648.5	4604.3
15°	8857.5	8893.5	8970.1	9258.1	9397.6	9204.1	8722.5	7885.4	6719.7	6301.1	5022.9
17.5°	8983.6	8965.6	9060.1	9492.2	9703.7	9888.2	9586.7	8713.5	7390.3	7016.7	5545.0
20°	9141.1	9042.1	9249.1	9523.7	10014.2	10401.3	10387.8	9546.2	8092.4	7696.3	6062.6
22.5°	9726.2	9649.7	9816.2	9843.2	10185.3	10725.4	10855.9	10225.8	8812.5	8326.4	6620.7
25°	10806.4	10945.9	10747.9	10576.8	10680.4	11035.9	11130.4	10828.9	9537.2	9091.6	7178.7
27.5°	12386.2	12368.2	11976.6	11756.0	11508.5	11463.5	11531.0	11391.5	10108.8	9789.2	7637.8
30°	14083.0	13934.4	13574.4	13043.3	12498.7	12161.1	12066.6	11922.6	10779.4	10315.8	8092.4
32.5°	15433.2	15514.2	15113.6	14420.5	13515.9	13061.3	12606.7	12449.2	11517.5	11107.9	8614.5
35°	16675.4	16567.4	16247.8	15662.7	14852.6	14119.0	13407.8	13070.3	12404.2	11999.1	9190.6
37.5°	17593.6	17728.6	17121.0	16562.9	15757.2	15149.6	14452.0	13713.9	13317.8	12777.7	9892.7
40°	18462.2	18250.7	17841.1	17328.0	16580.9	16117.3	15658.2	14506.0	14290.0	13592.4	10684.9
42.5°	18309.2	18322.7	18097.6	17683.6	17143.5	16877.9	16720.4	15469.2	15172.1	14726.6	11459.0
45°	17683.6	17737.6	17814.1	17611.6	17656.6	17391.0	17814.1	16576.4	16283.8	15811.3	12350.1
47.5°	16995.0	17085.0	17067.0	17436.0	17854.6	17944.6	19002.3	17805.1	17679.1	17418.0	13583.4
50°	15851.8	15887.8	16234.3	16904.9	17476.5	18417.2	19893.5	19146.3	19339.9	18826.8	15050.6
52.5°	13898.4	14028.9	14920.1	15878.8	17031.0	18655.7	20496.6	21140.2	21630.8	21104.2	16459.4
55°	11427.5	11607.5	12485.2	14281.0	15968.8	18295.7	21045.7	22193.4	23188.0	22391.4	17314.5
57.5°	9195.1	9213.1	10000.7	11855.1	14461.0	17589.1	21324.7	22706.5	24043.2	23404.1	18358.7
60°	7007.7	6935.7	7642.3	9249.1	11922.6	15851.8	20627.1	22967.5	25109.9	24740.8	19614.4
62.5°	4509.8	4397.3	5166.9	6733.2	9312.1	12957.8	19231.8	22972.0	26775.2	26635.6	21716.3
65°	2232.4	2155.9	2817.5	4127.2	6445.1	9910.7	17242.5	22886.5	28809.5	28899.5	23764.1
67.5°	1179.2	1206.2	1417.7	2092.9	3717.6	7003.2	14245.0	21882.8	29849.2	30353.3	24259.2
68°	1084.7	1093.7	1260.2	1741.8	3227.1	6494.6	13533.9	21590.3	29930.2	30551.3	23984.7
70°	882.2	895.7	954.2	1093.7	1746.3	4226.2	10441.8	19105.8	28710.5	29277.6	21711.8
72.5°	702.1	742.6	778.6	837.1	1026.2	2218.9	6494.6	14888.6	23719.1	23782.1	16900.4
75°	535.6	567.1	639.1	688.6	801.1	1219.7	3092.0	9078.1	15563.7	14798.6	9955.7
77.5°	414.1	441.1	472.6	540.1	670.6	823.6	945.2	3852.7	6611.7	5441.4	2813.0
80°	247.5	265.5	369.1	423.1	585.1	558.1	373.6	1071.2	1341.2	1057.7	513.1
82.5°	144.0	157.5	211.5	324.1	409.6	301.6	220.5	333.1	328.6	288.1	171.0
85°	4.5	9.0	117.0	193.5	144.0	81.0	135.0	139.5	117.0	108.0	76.5
87.5°	0.0	4.5	31.5	27.0	31.5	18.0	27.0	36.0	45.0	40.5	31.5
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: P482073

CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0
2.5°	3159.5	3060.5	2840.0	2673.5	2493.4	2385.4	2277.4	2209.9	2173.9	2151.4	2169.4
5°	3240.6	3033.5	2678.0	2362.9	2155.9	2016.4	1876.8	1804.8	1737.3	1701.3	1723.8
7.5°	3420.6	3110.0	2520.4	2178.4	1935.3	1719.3	1543.8	1404.2	1323.2	1251.2	1264.7
10°	3641.1	3155.0	2524.9	2070.4	1719.3	1377.2	1129.7	954.2	855.1	792.1	787.6
12.5°	3866.2	3330.6	2542.9	1962.3	1453.8	1035.2	742.6	612.1	553.6	522.1	522.1
15°	4208.2	3488.1	2497.9	1764.3	1102.7	675.1	508.6	463.6	441.1	414.1	418.6
17.5°	4505.3	3740.2	2475.4	1467.3	756.1	486.1	423.1	373.6	351.1	324.1	324.1
20°	4905.9	3897.7	2353.9	1134.2	522.1	405.1	342.1	297.1	261.0	238.5	243.0
22.5°	5270.4	4019.2	2137.9	774.1	400.6	319.6	252.0	207.0	175.5	148.5	153.0
25°	5666.5	4140.7	1822.8	477.1	283.5	198.0	135.0	99.0	67.5	49.5	49.5
27.5°	5950.0	4176.7	1413.2	283.5	171.0	90.0	31.5	4.5	0.0	0.0	0.0
30°	6238.1	4190.2	976.7	153.0	67.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6566.6	4185.7	612.1	81.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
35°	6818.7	4109.2	292.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7201.3	3996.7	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7637.8	3794.2	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8029.4	3587.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8475.0	3330.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9258.1	3222.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10279.8	3137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10909.9	2885.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11238.5	2624.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	11724.5	2497.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	12444.7	2506.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13569.9	2633.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	14191.0	2506.9	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	13664.4	2007.3	85.5	22.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
68°	13209.8	1845.3	85.5	22.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	10918.9	1201.7	81.0	22.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	7952.9	666.1	67.5	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	4626.8	333.1	49.5	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1206.2	166.5	40.5	22.5	13.5	4.5	0.0	0.0	0.0	0.0	0.0
80°	238.5	108.0	36.0	27.0	18.0	9.0	0.0	0.0	0.0	0.0	0.0
82.5°	112.5	76.5	36.0	27.0	22.5	13.5	4.5	0.0	0.0	0.0	0.0
85°	58.5	36.0	36.0	27.0	27.0	18.0	9.0	0.0	0.0	0.0	0.0
87.5°	27.0	13.5	13.5	13.5	13.5	9.0	4.5	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)