

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: P691158

Luminaire Tested: **CRTK2-C013-D-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2975 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

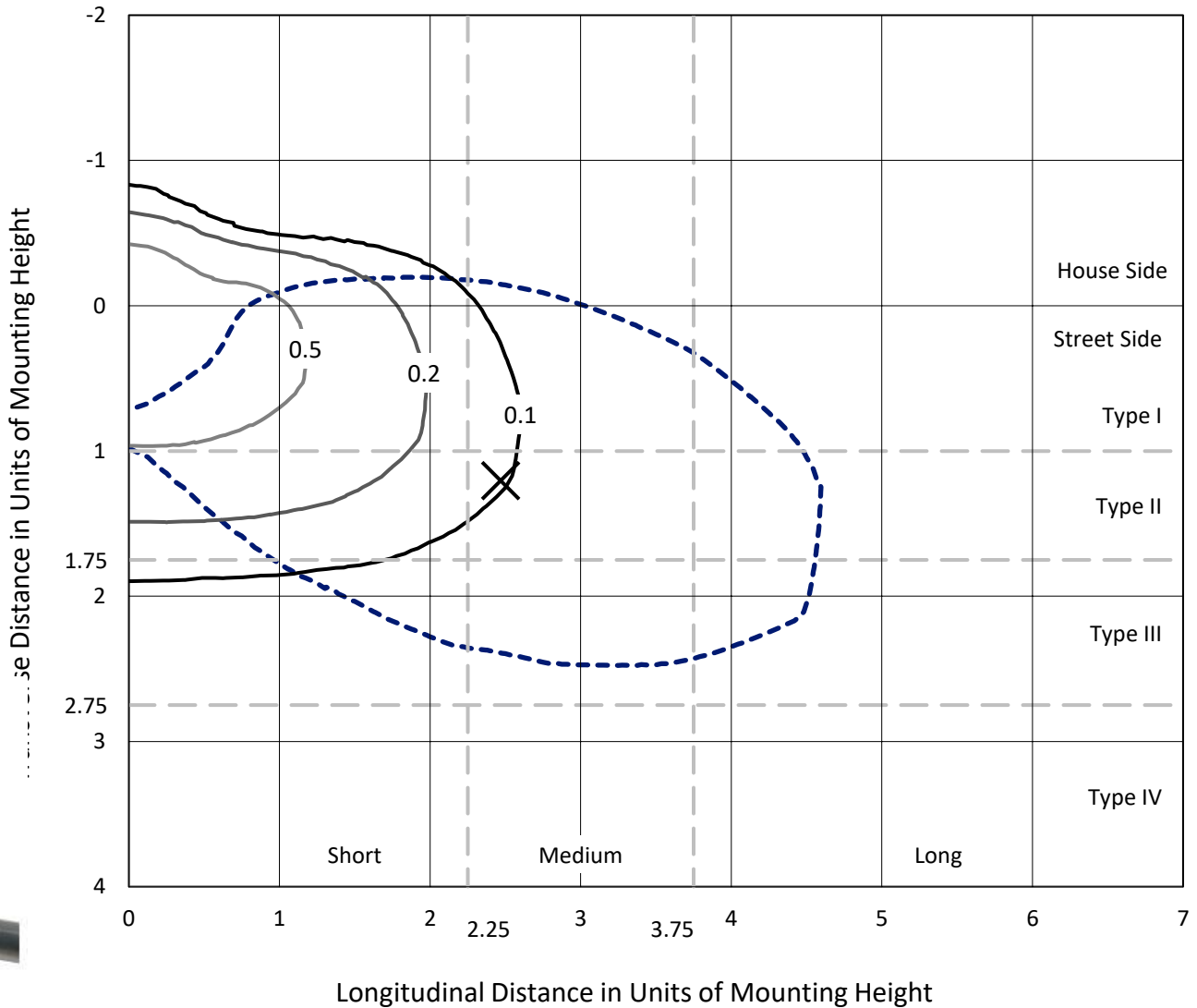
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

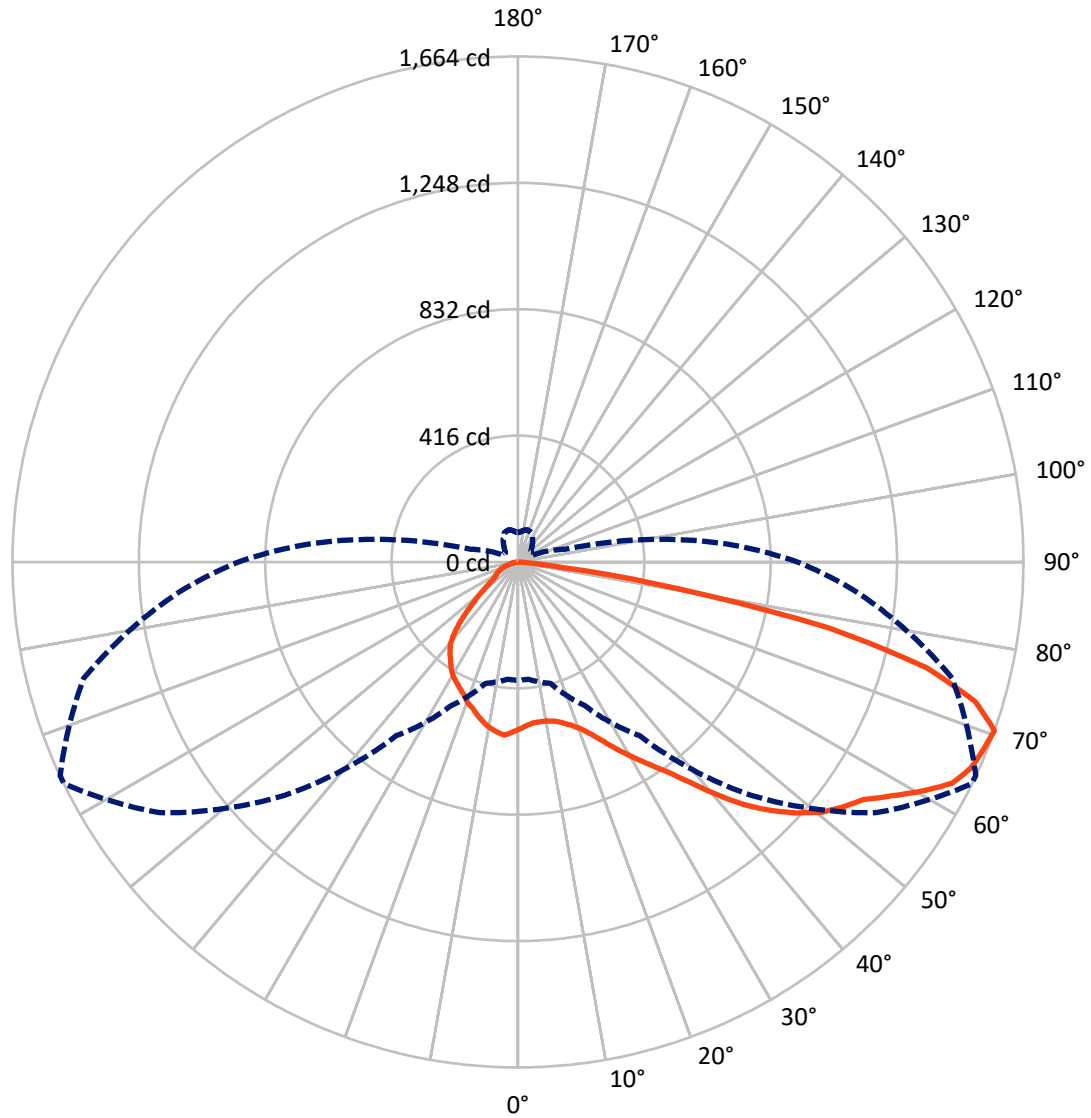
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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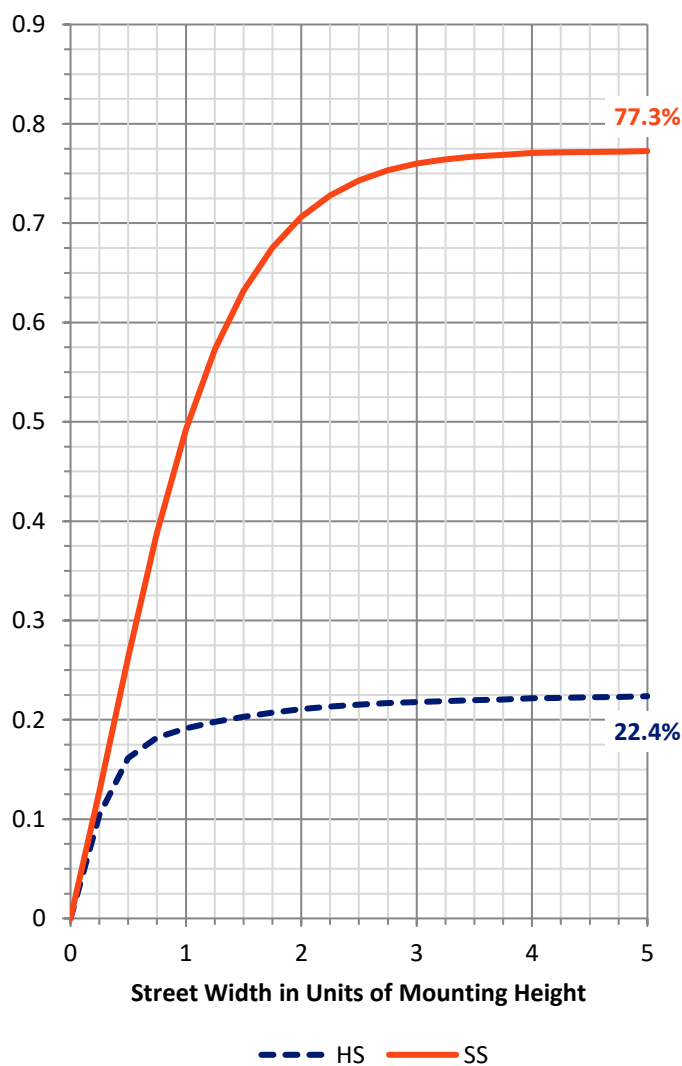
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	675.8	0.0	675.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2299.2	0.0	2299.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	2975.0	0.0	2975.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.8
10°-20°	155.1	5.2
20°-30°	257.5	8.7
30°-40°	368.4	12.4
40°-50°	491.9	16.5
50°-60°	594.5	20.0
60°-70°	632.7	21.3
70°-80°	388.7	13.1
80°-90°	33.3	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°	2975.0	100.0
0°-180°	2975.0	100.0

Coefficient of Utilization

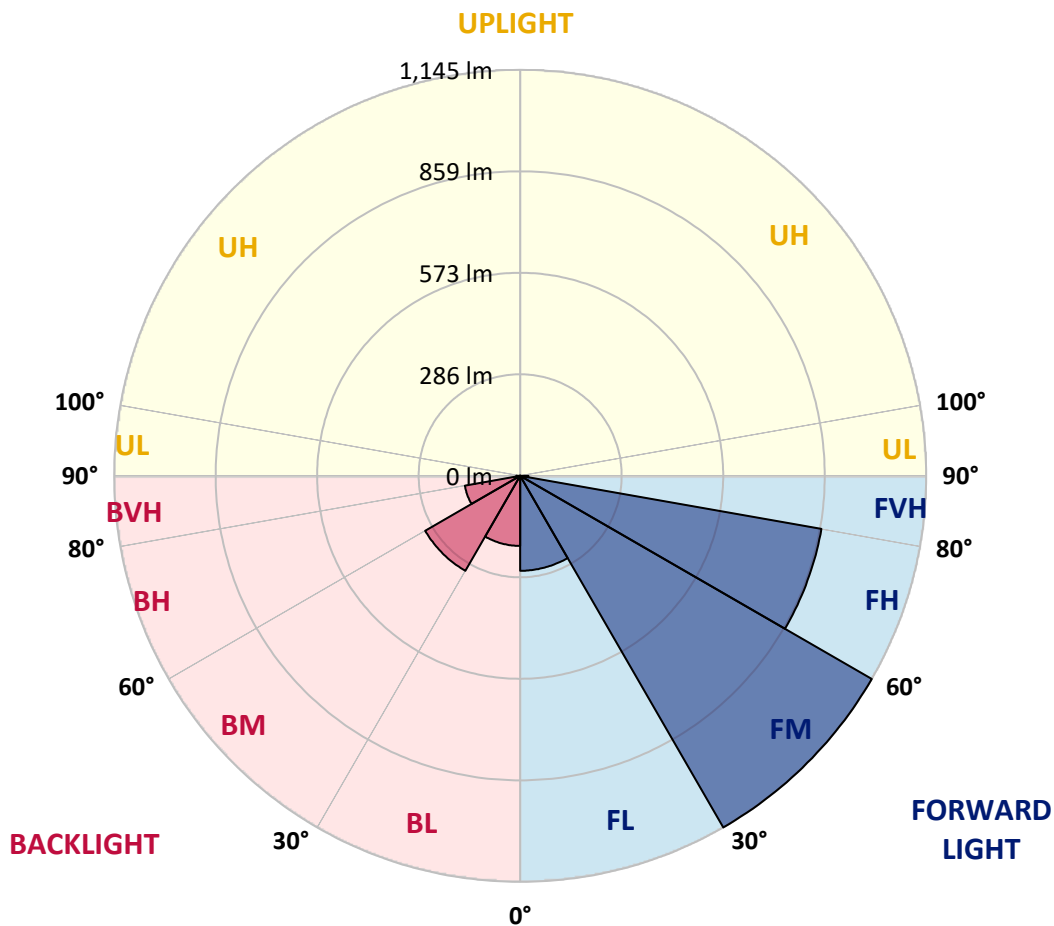


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.9	9.0			
FM (30°-60°)	1145.3	38.5			
FH (60°-80°)	862.9	29.0			G1/1800
FVH (80°-90°)	23.1	0.8			G1/100
BL (0°-30°)	197.7	6.6	B1/500		
BM (30°-60°)	309.4	10.4	B1/1000		
BH (60°-80°)	158.5	5.3	B1/500		G1/500
BVH (80°-90°)	10.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2
2.5°	537.1	537.1	537.1	537.1	538.1	539.1	538.1	539.1	539.1	541.1	544.2
5°	546.2	546.2	544.2	540.1	537.1	533.0	531.0	532.0	532.0	537.1	545.2
7.5°	549.2	549.2	547.2	547.2	544.2	535.1	532.0	531.0	532.0	534.1	545.2
10°	564.4	563.4	558.3	552.3	548.2	540.1	533.0	532.0	533.0	536.1	548.2
12.5°	580.6	580.6	578.6	573.5	562.4	554.3	542.1	538.1	537.1	540.1	547.2
15°	612.9	608.9	600.8	593.7	585.6	572.5	556.3	549.2	547.2	551.2	548.2
17.5°	632.2	629.1	630.1	619.0	611.9	593.7	577.5	564.4	563.4	567.4	554.3
20°	653.4	652.4	654.4	653.4	642.3	626.1	600.8	584.6	582.6	583.6	563.4
22.5°	685.8	685.8	684.8	684.8	678.7	659.5	631.2	615.0	611.9	604.9	578.6
25°	721.2	721.2	721.2	723.2	723.2	700.9	672.6	654.4	652.4	642.3	603.8
27.5°	754.5	756.6	757.6	758.6	761.6	751.5	720.2	698.9	697.9	684.8	637.2
30°	780.8	781.9	791.0	793.0	799.1	796.0	765.7	745.4	747.5	730.3	674.6
32.5°	804.1	805.1	818.3	825.4	832.4	833.4	808.2	794.0	794.0	778.8	720.2
35°	826.4	827.4	843.6	860.8	874.9	870.9	856.7	848.6	851.6	846.6	782.9
37.5°	845.6	849.6	870.9	896.2	912.3	915.4	909.3	920.4	926.5	934.6	867.8
40°	863.8	865.8	886.0	912.3	939.6	953.8	960.9	1006.4	1012.5	1018.5	916.4
42.5°	846.6	850.6	894.1	933.6	968.0	992.2	1025.6	1092.4	1105.5	1072.1	982.1
45°	826.4	831.4	874.9	941.7	990.2	1034.7	1096.4	1167.2	1177.3	1126.8	1017.5
47.5°	809.2	815.2	859.7	934.6	1013.5	1092.4	1154.1	1234.0	1240.0	1173.3	1066.1
50°	789.9	795.0	842.5	925.5	1025.6	1145.0	1214.8	1294.7	1296.7	1211.7	1091.4
52.5°	764.7	769.7	818.3	911.3	1034.7	1180.4	1265.3	1339.2	1331.1	1261.3	1120.7
55°	732.3	739.4	792.0	892.1	1039.8	1201.6	1299.7	1380.6	1376.6	1320.0	1159.1
57.5°	697.9	705.0	758.6	865.8	1034.7	1214.8	1335.1	1452.5	1451.4	1367.5	1187.5
60°	659.5	665.5	711.1	831.4	1007.4	1236.0	1413.0	1530.3	1538.4	1421.1	1198.6
62.5°	608.9	609.9	655.4	781.9	972.0	1251.2	1468.6	1604.2	1599.1	1456.5	1200.6
65°	542.1	545.2	585.6	713.1	914.4	1239.0	1482.8	1637.6	1637.6	1482.8	1198.6
67.5°	477.4	476.4	510.8	627.1	825.4	1185.4	1470.7	1651.7	1658.8	1500.0	1172.3
70°	389.4	387.4	413.7	521.9	697.9	1086.3	1439.3	1663.8	1662.8	1479.8	1116.7
72.5°	288.3	287.3	305.5	395.5	534.1	929.5	1346.3	1574.8	1564.7	1382.7	1008.4
75°	159.8	151.7	150.7	244.8	310.5	651.4	1144.0	1388.7	1392.8	1221.8	844.6
77.5°	23.3	24.3	25.3	44.5	53.6	243.8	743.4	1046.9	1044.8	942.7	616.0
80°	16.2	17.2	18.2	22.3	25.3	57.7	256.9	528.0	558.3	495.6	284.2
82.5°	12.1	12.1	13.1	15.2	14.2	26.3	79.9	146.7	151.7	137.6	84.0
85°	8.1	8.1	7.1	8.1	5.1	7.1	18.2	27.3	29.3	28.3	23.3
87.5°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	2.0	1.0	2.0
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°	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2	550.2
2.5°	547.2	549.2	555.3	560.3	566.4	573.5	577.5	581.6	585.6	583.6	586.6
5°	549.2	553.3	562.4	571.5	576.5	577.5	578.6	581.6	587.7	587.7	592.7
7.5°	551.2	558.3	558.3	563.4	570.5	572.5	573.5	575.5	578.6	579.6	578.6
10°	551.2	548.2	553.3	554.3	551.2	556.3	559.3	558.3	561.4	562.4	562.4
12.5°	545.2	544.2	540.1	540.1	539.1	531.0	531.0	539.1	539.1	544.2	545.2
15°	545.2	537.1	532.0	524.9	517.9	514.8	510.8	504.7	506.7	513.8	515.8
17.5°	544.2	535.1	519.9	505.7	500.7	488.5	484.5	484.5	483.5	487.5	488.5
20°	548.2	535.1	511.8	495.6	468.3	464.3	456.2	457.2	458.2	452.1	449.1
22.5°	559.3	543.2	505.7	474.4	453.1	434.9	419.8	409.6	408.6	405.6	408.6
25°	576.5	557.3	506.7	462.2	427.8	401.5	391.4	367.2	356.0	357.0	363.1
27.5°	607.9	574.5	511.8	449.1	407.6	370.2	337.8	322.7	310.5	310.5	312.5
30°	637.2	600.8	509.8	438.0	376.3	329.7	288.3	264.0	259.9	255.9	254.9
32.5°	691.8	634.2	530.0	421.8	346.9	278.2	236.7	203.3	206.3	207.3	209.4
35°	746.5	687.8	534.1	401.5	304.4	226.6	183.1	164.9	173.0	175.0	177.0
37.5°	819.3	754.5	561.4	383.3	261.0	174.0	145.7	137.6	145.7	145.7	146.7
40°	858.7	785.9	583.6	365.1	204.3	128.5	114.3	108.2	118.3	126.4	128.5
42.5°	914.4	826.4	603.8	328.7	144.6	96.1	88.0	100.1	116.3	124.4	125.4
45°	942.7	846.6	596.8	280.2	95.1	77.9	86.0	101.1	117.3	125.4	126.4
47.5°	981.1	874.9	582.6	223.5	75.9	76.9	87.0	104.2	120.4	127.4	128.5
50°	1018.5	904.2	546.2	178.0	72.8	76.9	89.0	105.2	119.4	124.4	123.4
52.5°	1039.8	931.6	499.7	135.5	72.8	77.9	91.0	107.2	118.3	119.4	119.4
55°	1059.0	934.6	461.2	105.2	71.8	78.9	93.1	109.2	119.4	119.4	117.3
57.5°	1071.1	922.5	431.9	91.0	71.8	78.9	93.1	109.2	124.4	127.4	124.4
60°	1066.1	899.2	411.7	85.0	69.8	77.9	92.0	112.3	152.7	159.8	153.7
62.5°	1053.9	886.0	368.2	77.9	66.8	74.8	90.0	121.4	163.9	164.9	159.8
65°	1042.8	842.5	315.6	69.8	62.7	71.8	87.0	123.4	138.6	133.5	132.5
67.5°	992.2	785.9	240.7	61.7	56.6	67.8	84.0	113.3	123.4	117.3	115.3
70°	920.4	686.8	160.8	52.6	50.6	62.7	84.0	106.2	110.2	100.1	96.1
72.5°	788.9	568.4	88.0	42.5	42.5	57.7	75.9	99.1	102.2	90.0	82.9
75°	642.3	411.7	56.6	32.4	32.4	48.6	68.8	94.1	100.1	87.0	77.9
77.5°	442.0	225.6	39.4	23.3	21.2	37.4	54.6	76.9	89.0	74.8	63.7
80°	149.7	59.7	25.3	15.2	13.1	21.2	36.4	59.7	80.9	76.9	68.8
82.5°	58.7	37.4	17.2	10.1	9.1	10.1	18.2	37.4	64.7	69.8	80.9
85°	17.2	10.1	6.1	5.1	5.1	5.1	5.1	15.2	38.4	50.6	63.7
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	9.1	16.2	21.2
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)