

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: P691341

Luminaire Tested: **CRTK2-C015-D-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4046 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

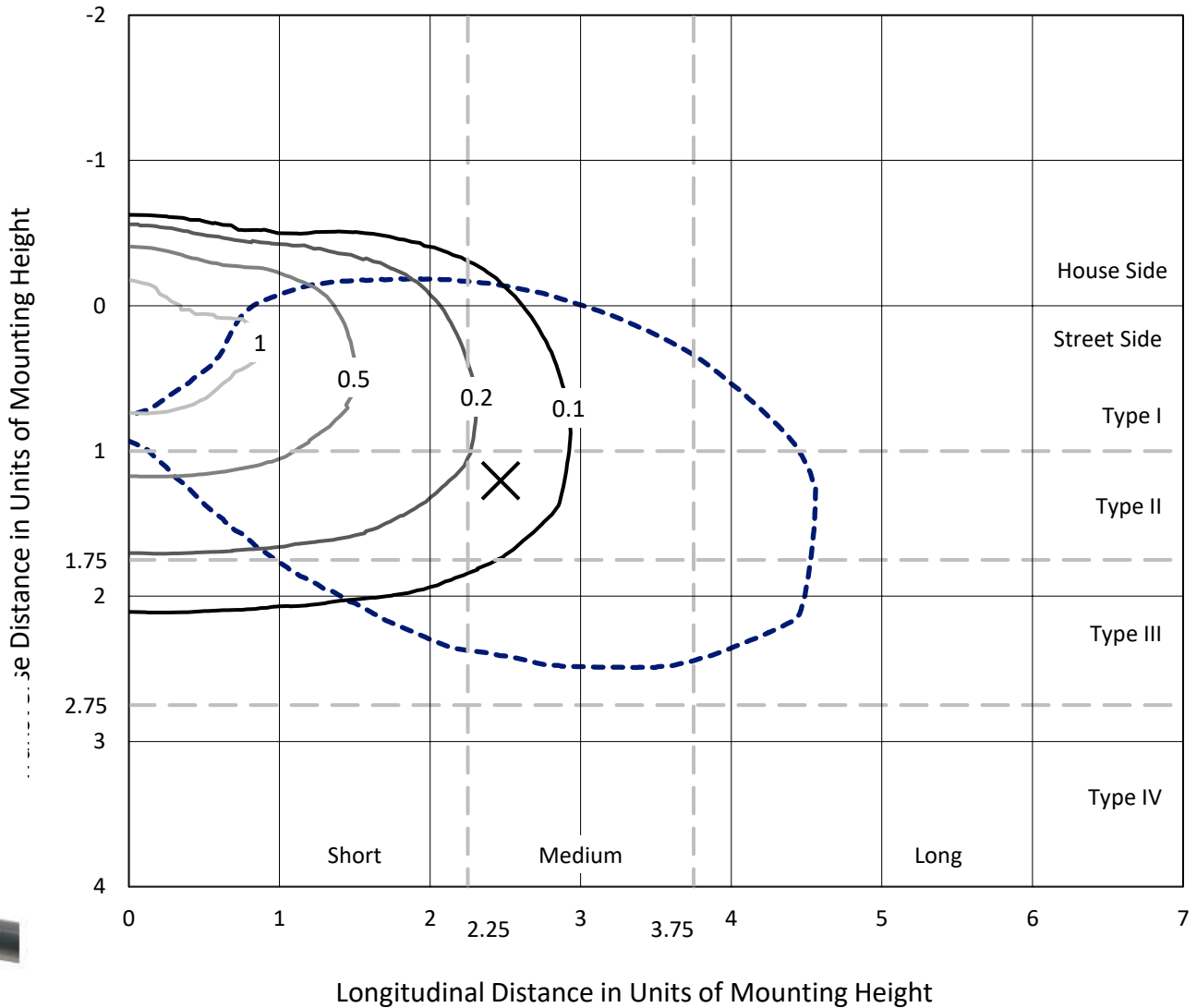
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

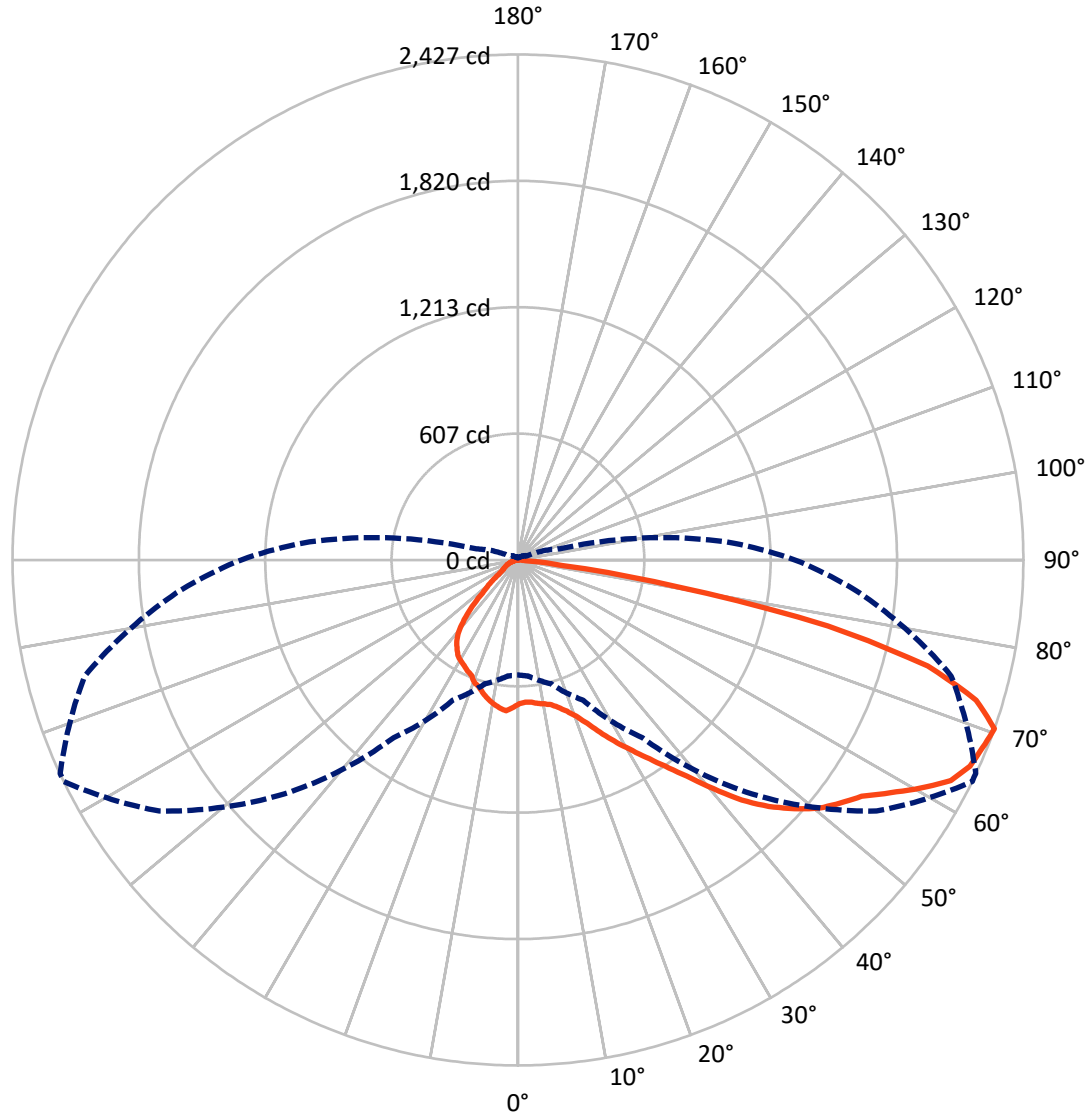
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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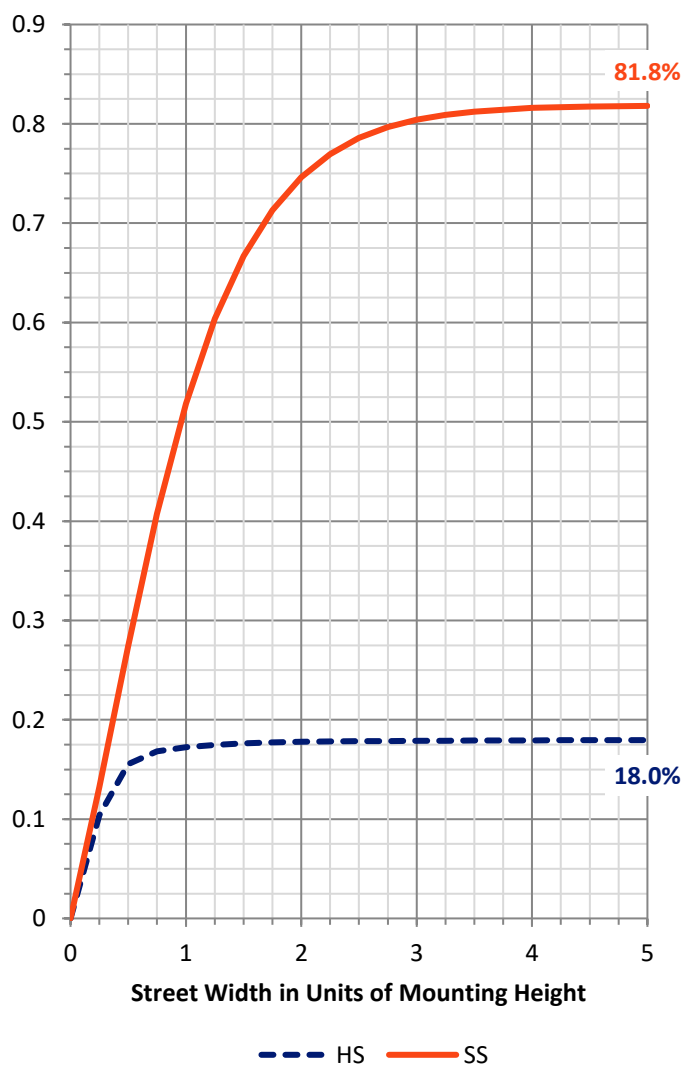
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	735.3	0.0	735.3
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3310.7	0.0	3310.7
	% Fixture	81.8	0.0	81.8
Total	Lumens	4046.0	0.0	4046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.7
10°-20°	199.2	4.9
20°-30°	335.6	8.3
30°-40°	493.9	12.2
40°-50°	677.3	16.7
50°-60°	824.1	20.4
60°-70°	874.9	21.6
70°-80°	536.3	13.3
80°-90°	37.4	0.9
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°	4046.0	100.0
0°-180°	4046.0	100.0

Coefficient of Utilization



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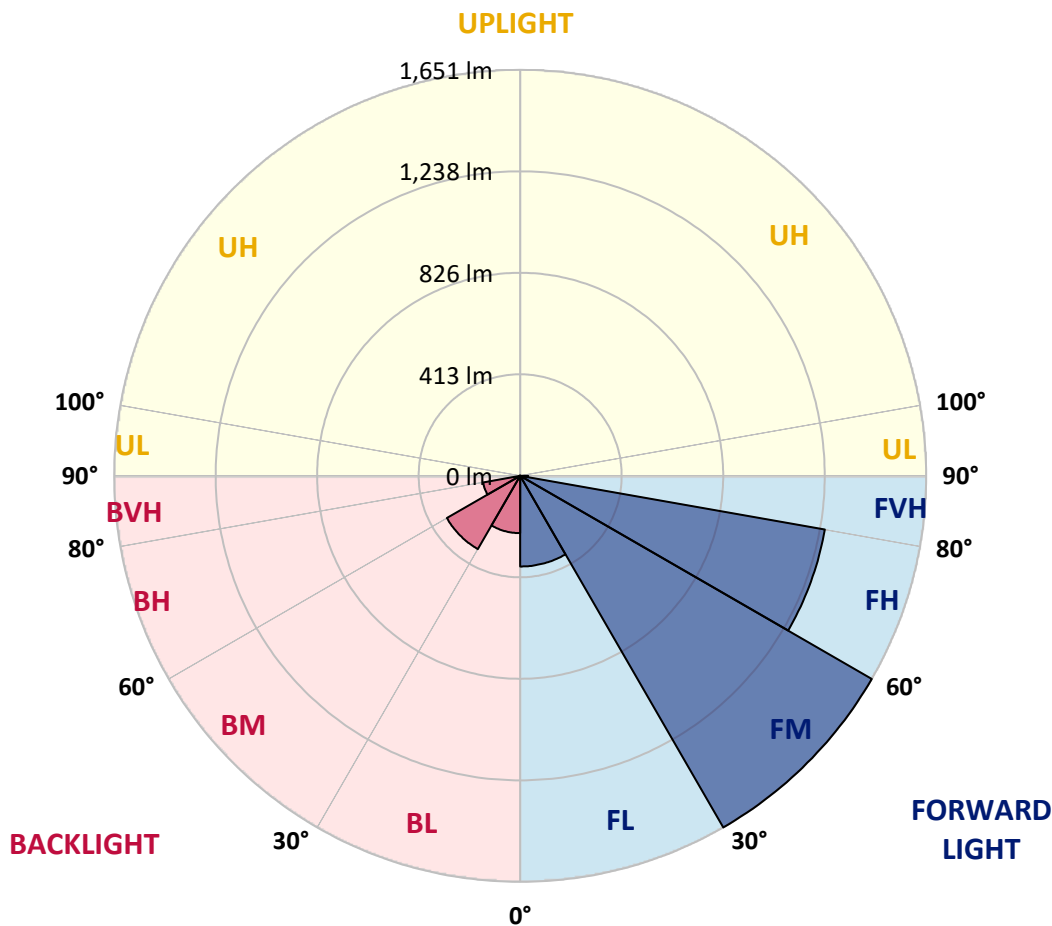
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.8	9.1			
FM (30°-60°)	1651.1	40.8			
FH (60°-80°)	1258.2	31.1			G1/1800
FVH (80°-90°)	32.6	0.8			G1/100
BL (0°-30°)	233.3	5.8	B1/500		
BM (30°-60°)	344.2	8.5	B1/1000		
BH (60°-80°)	153.1	3.8	B1/500		G1/500
BVH (80°-90°)	4.8	0.1			G0/10
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°	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9
2.5°	683.4	683.4	684.9	683.4	686.4	682.0	683.4	683.4	683.4	684.9	689.4
5°	704.2	704.2	701.2	696.8	692.3	686.4	686.4	686.4	686.4	689.4	699.8
7.5°	717.5	716.1	716.1	716.1	711.6	699.8	696.8	695.3	695.3	695.3	705.7
10°	750.2	745.7	739.8	730.9	726.4	716.1	704.2	702.7	702.7	704.2	717.5
12.5°	781.3	776.8	776.8	770.9	753.1	741.3	720.5	713.1	713.1	716.1	723.5
15°	833.2	828.7	816.9	806.5	790.2	769.4	748.7	735.3	733.8	739.8	729.4
17.5°	870.2	862.8	864.3	848.0	834.7	805.0	784.3	763.5	763.5	769.4	748.7
20°	905.8	905.8	907.3	905.8	883.6	859.9	825.8	800.6	802.0	803.5	770.9
22.5°	959.2	957.7	957.7	959.2	944.4	917.7	880.6	852.5	851.0	839.1	799.1
25°	1021.5	1018.5	1012.6	1018.5	1011.1	979.9	944.4	916.2	911.8	895.4	840.6
27.5°	1073.3	1073.3	1073.3	1076.3	1076.3	1054.1	1014.0	984.4	987.4	965.1	889.5
30°	1110.4	1110.4	1123.8	1129.7	1134.1	1126.7	1083.7	1052.6	1058.5	1031.8	950.3
32.5°	1150.4	1149.0	1166.7	1180.1	1186.0	1189.0	1153.4	1128.2	1129.7	1106.0	1020.0
35°	1187.5	1184.5	1208.3	1236.4	1251.2	1248.3	1223.1	1214.2	1217.2	1209.7	1114.9
37.5°	1214.2	1218.6	1249.8	1286.8	1310.6	1316.5	1300.2	1316.5	1332.8	1343.2	1237.9
40°	1243.8	1243.8	1273.5	1313.5	1350.6	1372.8	1384.7	1444.0	1457.3	1464.7	1310.6
42.5°	1214.2	1224.6	1286.8	1344.6	1393.6	1427.7	1476.6	1575.9	1590.7	1544.8	1406.9
45°	1189.0	1197.9	1260.1	1358.0	1429.2	1495.9	1584.8	1688.6	1703.4	1624.8	1461.8
47.5°	1163.8	1174.2	1239.4	1347.6	1461.8	1571.5	1672.3	1785.0	1792.4	1694.5	1534.4
50°	1135.6	1146.0	1214.2	1334.3	1481.0	1653.0	1758.3	1873.9	1875.4	1755.3	1571.5
52.5°	1100.0	1113.4	1181.6	1315.0	1497.3	1707.9	1835.4	1939.1	1930.2	1829.4	1615.9
55°	1055.6	1070.4	1146.0	1289.8	1506.2	1743.4	1885.8	2002.9	1997.0	1915.4	1673.8
57.5°	1005.2	1021.5	1100.0	1251.2	1503.3	1761.2	1937.7	2108.1	2111.1	1986.6	1716.8
60°	947.3	962.2	1036.3	1200.8	1464.7	1793.9	2048.8	2223.8	2234.2	2065.2	1734.6
62.5°	871.7	885.1	956.2	1126.7	1415.8	1817.6	2133.4	2333.5	2329.0	2118.5	1740.5
65°	776.8	791.7	858.4	1028.9	1338.7	1802.7	2160.0	2385.4	2385.4	2157.1	1736.0
67.5°	680.5	693.8	750.2	904.3	1214.2	1728.6	2143.7	2406.1	2419.5	2182.3	1696.0
70°	551.5	558.9	615.2	742.7	1040.7	1589.3	2102.2	2426.9	2425.4	2154.1	1620.4
72.5°	404.7	413.6	459.6	557.4	805.0	1375.8	1971.8	2300.9	2277.2	2002.9	1473.6
75°	209.0	217.9	253.5	349.9	513.0	971.1	1681.2	2032.5	2028.1	1773.1	1220.1
77.5°	28.2	28.2	32.6	57.8	118.6	386.9	1101.5	1522.6	1513.7	1352.1	886.5
80°	19.3	19.3	22.2	26.7	34.1	84.5	388.4	772.4	785.7	696.8	397.3
82.5°	14.8	13.3	16.3	19.3	20.8	38.5	118.6	213.5	216.4	194.2	121.6
85°	8.9	8.9	8.9	8.9	7.4	10.4	26.7	35.6	40.0	38.5	31.1
87.5°	4.4	4.4	4.4	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9
2.5°	690.9	695.3	701.2	708.6	716.1	722.0	727.9	730.9	733.8	735.3	736.8
5°	702.7	708.6	716.1	726.4	726.4	722.0	719.0	719.0	722.0	726.4	727.9
7.5°	714.6	720.5	717.5	716.1	717.5	711.6	704.2	699.8	696.8	696.8	699.8
10°	719.0	713.1	710.1	702.7	687.9	684.9	679.0	667.1	664.2	667.1	656.8
12.5°	716.1	711.6	696.8	684.9	670.1	644.9	630.1	630.1	622.7	621.2	622.7
15°	723.5	708.6	690.9	665.7	639.0	618.2	594.5	573.7	567.8	569.3	569.3
17.5°	729.4	714.6	679.0	640.4	616.7	579.7	553.0	541.1	530.7	529.3	529.3
20°	742.7	722.0	671.6	630.1	570.8	542.6	513.0	498.1	481.8	459.6	452.2
22.5°	763.5	735.3	667.1	601.9	550.0	505.5	462.5	418.1	391.4	373.6	378.0
25°	791.7	760.5	671.6	591.5	518.9	462.5	406.2	345.4	305.4	293.5	301.0
27.5°	842.1	788.7	684.9	576.7	496.6	412.1	327.6	274.3	237.2	225.3	229.8
30°	888.0	831.7	686.4	567.8	461.1	352.8	258.0	198.7	169.0	151.2	146.8
32.5°	971.1	877.7	723.5	555.9	424.0	287.6	189.8	131.9	105.3	94.9	91.9
35°	1052.6	959.2	733.8	533.7	355.8	213.5	117.1	78.6	63.7	56.3	54.9
37.5°	1165.3	1058.5	776.8	510.0	287.6	130.5	71.2	47.4	44.5	43.0	43.0
40°	1221.6	1110.4	812.4	475.9	201.6	74.1	46.0	41.5	40.0	38.5	38.5
42.5°	1301.7	1169.7	842.1	415.1	118.6	48.9	41.5	38.5	37.1	35.6	35.6
45°	1346.1	1200.8	834.7	341.0	59.3	46.0	40.0	37.1	34.1	34.1	34.1
47.5°	1405.4	1246.8	815.4	252.0	53.4	44.5	38.5	35.6	34.1	35.6	34.1
50°	1461.8	1291.3	762.0	200.1	51.9	43.0	38.5	34.1	34.1	34.1	34.1
52.5°	1492.9	1332.8	695.3	146.8	53.4	43.0	37.1	34.1	34.1	32.6	34.1
55°	1522.6	1338.7	641.9	106.7	53.4	41.5	35.6	32.6	31.1	29.7	29.7
57.5°	1543.3	1325.4	598.9	89.0	53.4	41.5	34.1	31.1	26.7	25.2	25.2
60°	1537.4	1292.8	563.4	81.5	50.4	38.5	31.1	26.7	23.7	20.8	20.8
62.5°	1521.1	1273.5	498.1	71.2	46.0	35.6	28.2	22.2	19.3	17.8	17.8
65°	1506.2	1212.7	422.5	63.7	43.0	31.1	23.7	19.3	16.3	14.8	14.8
67.5°	1435.1	1132.6	314.3	54.9	38.5	28.2	20.8	17.8	14.8	13.3	11.9
70°	1329.8	1003.7	206.1	47.4	34.1	23.7	17.8	14.8	11.9	10.4	10.4
72.5°	1150.4	828.7	106.7	38.5	28.2	20.8	16.3	13.3	10.4	8.9	8.9
75°	934.0	609.3	63.7	29.7	22.2	17.8	13.3	10.4	8.9	7.4	7.4
77.5°	646.4	336.5	46.0	22.2	14.8	13.3	10.4	8.9	7.4	5.9	5.9
80°	217.9	91.9	32.6	16.3	10.4	10.4	7.4	5.9	5.9	4.4	4.4
82.5°	86.0	56.3	22.2	11.9	8.9	7.4	5.9	4.4	4.4	4.4	4.4
85°	23.7	16.3	8.9	5.9	4.4	4.4	4.4	3.0	3.0	3.0	3.0
87.5°	1.5	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
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)