

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: P691150

Luminaire Tested: **CRTK2-C013-D-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691150
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-T3-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2941 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

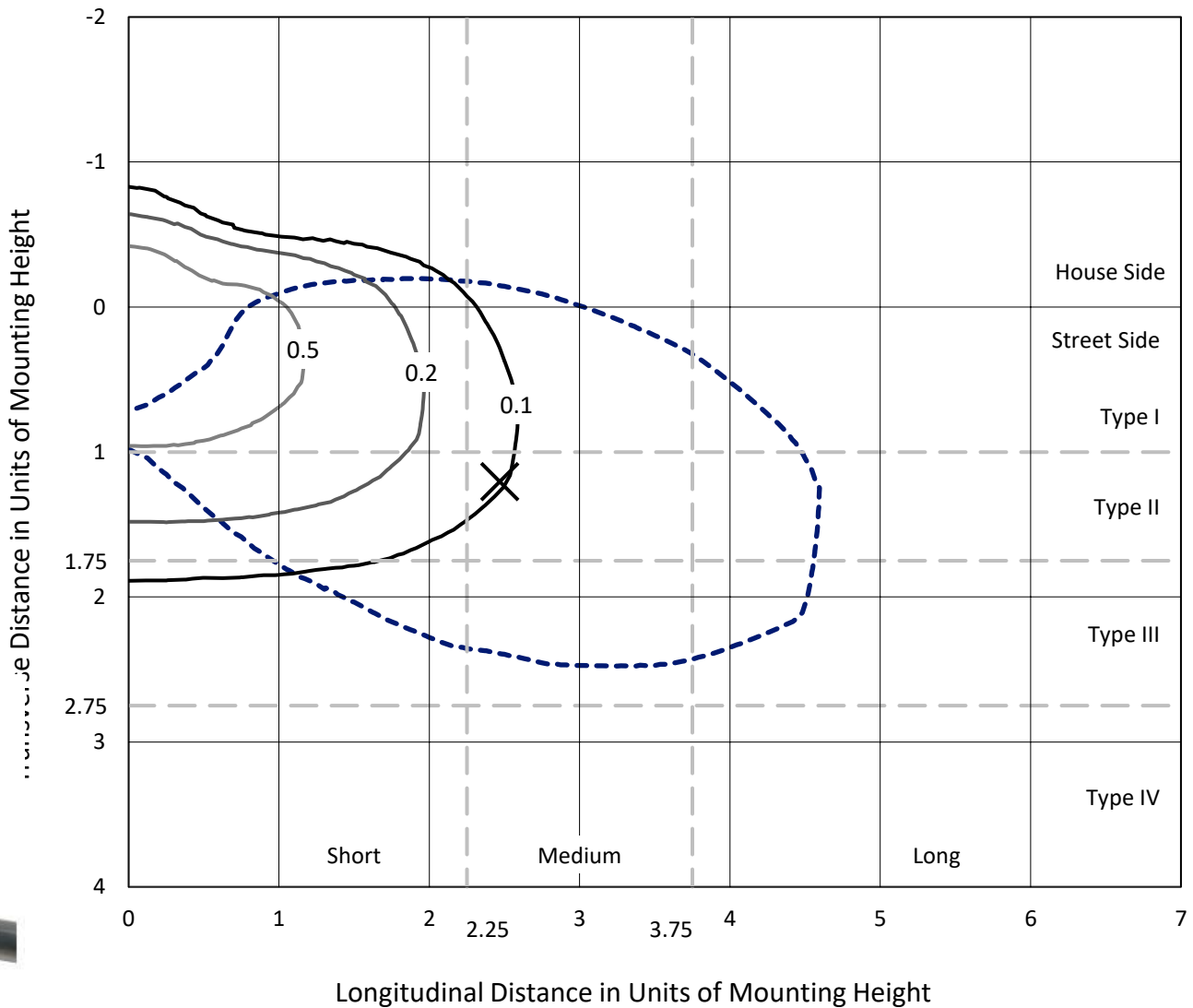
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691150
CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-U0

Iso-Footcandle Lines of Horizontal Illumination

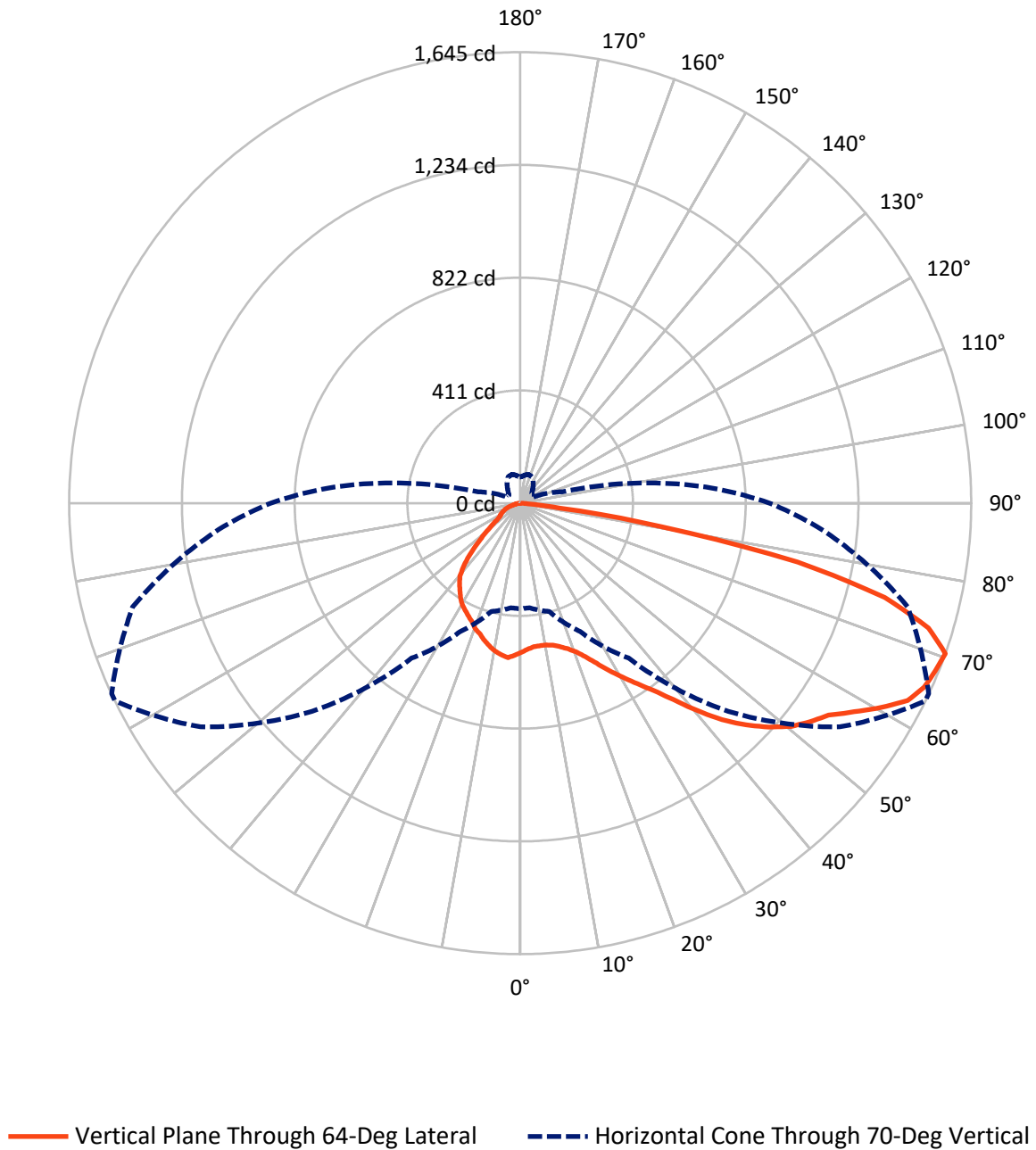
✕ Max cd
- - - 1/2 Max cd



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

REPORT NUMBER: P691150
CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691150

CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-U0

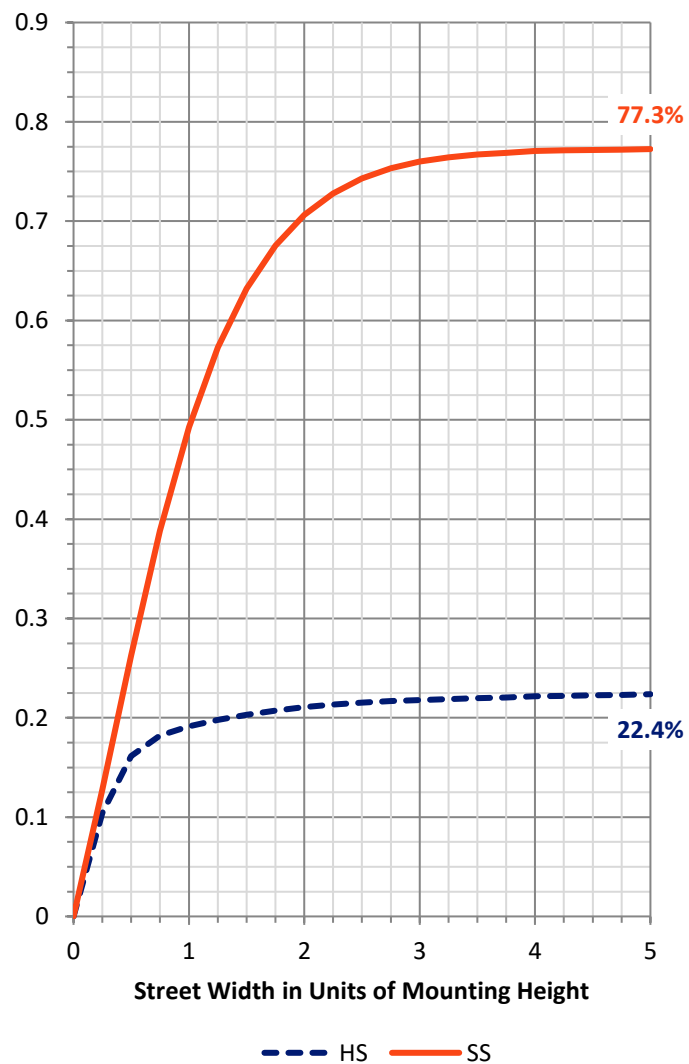
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	668.1	0.0	668.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2272.9	0.0	2272.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	2941.0	0.0	2941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.8
10°-20°	153.4	5.2
20°-30°	254.6	8.7
30°-40°	364.2	12.4
40°-50°	486.3	16.5
50°-60°	587.7	20.0
60°-70°	625.5	21.3
70°-80°	384.2	13.1
80°-90°	32.9	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°	2941.0	100.0
0°-180°	2941.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691150

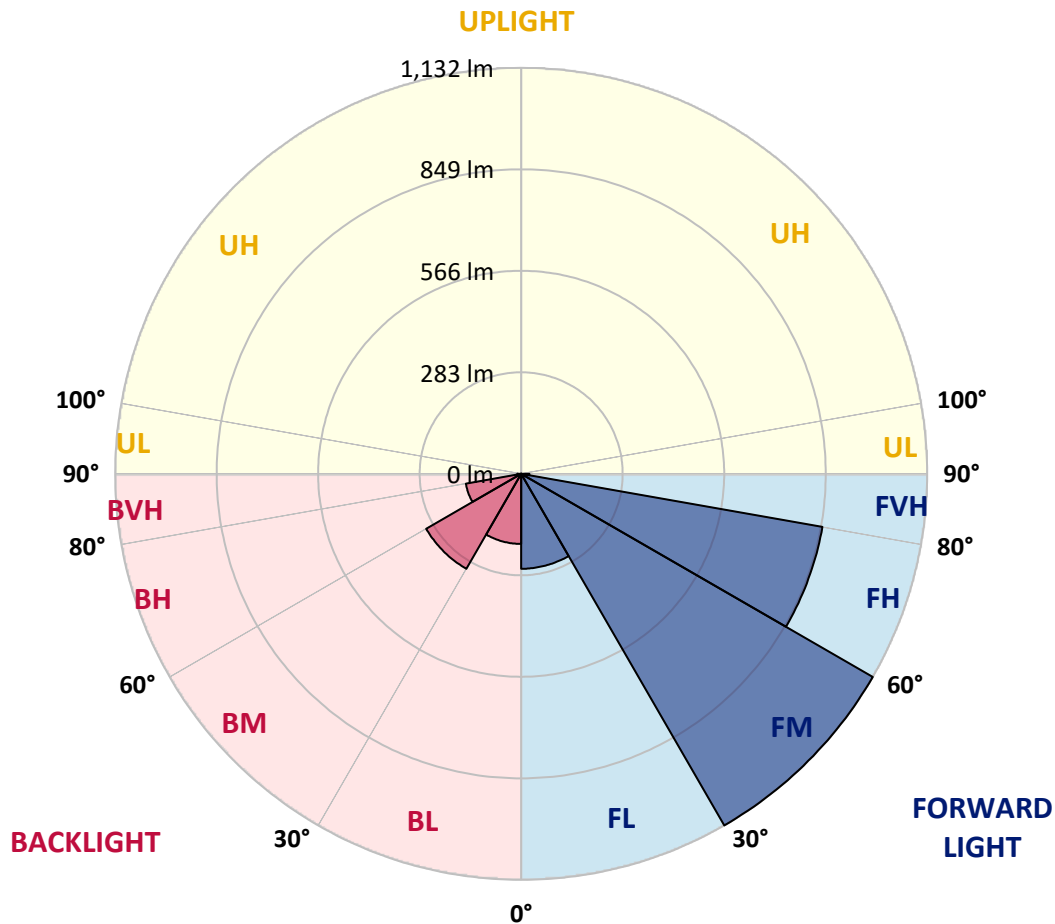
CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.8	9.0			
FM	(30°-60°)	1132.2	38.5			
FH	(60°-80°)	853.0	29.0			G1/1800
FVH	(80°-90°)	22.9	0.8			G1/100
BL	(0°-30°)	195.5	6.6	B1/500		
BM	(30°-60°)	305.9	10.4	B1/1000		
BH	(60°-80°)	156.7	5.3	B1/500		G1/500
BVH	(80°-90°)	10.1	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



REPORT NUMBER: P691150

CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9
2.5°	530.9	530.9	530.9	530.9	531.9	532.9	531.9	532.9	532.9	534.9	537.9
5°	539.9	539.9	537.9	533.9	530.9	526.9	524.9	525.9	525.9	530.9	538.9
7.5°	542.9	542.9	540.9	540.9	537.9	528.9	525.9	524.9	525.9	527.9	538.9
10°	557.9	556.9	551.9	545.9	541.9	533.9	526.9	525.9	526.9	529.9	541.9
12.5°	573.9	573.9	571.9	566.9	555.9	547.9	535.9	531.9	530.9	533.9	540.9
15°	605.9	601.9	593.9	586.9	578.9	565.9	549.9	542.9	540.9	544.9	541.9
17.5°	624.9	621.9	622.9	611.9	604.9	586.9	570.9	557.9	556.9	560.9	547.9
20°	645.9	644.9	646.9	645.9	634.9	618.9	593.9	577.9	575.9	576.9	556.9
22.5°	677.9	677.9	676.9	676.9	670.9	651.9	623.9	607.9	604.9	597.9	571.9
25°	712.9	712.9	712.9	714.9	714.9	692.9	664.9	646.9	644.9	634.9	596.9
27.5°	745.9	747.9	748.9	749.9	752.9	742.9	711.9	690.9	689.9	676.9	629.9
30°	771.9	772.9	781.9	783.9	789.9	786.9	756.9	736.9	738.9	721.9	666.9
32.5°	794.9	795.9	808.9	815.9	822.9	823.9	798.9	784.9	784.9	769.9	711.9
35°	816.9	817.9	833.9	850.9	864.9	860.9	846.9	838.9	841.9	836.9	773.9
37.5°	835.9	839.9	860.9	885.9	901.9	904.9	898.9	909.9	915.9	923.9	857.9
40°	853.9	855.9	875.9	901.9	928.9	942.9	949.9	994.9	1000.9	1006.9	905.9
42.5°	836.9	840.9	883.9	922.9	956.9	980.9	1013.9	1079.9	1092.9	1059.9	970.9
45°	816.9	821.9	864.9	930.9	978.9	1022.9	1083.9	1153.9	1163.9	1113.9	1005.9
47.5°	799.9	805.9	849.9	923.9	1001.9	1079.9	1140.9	1219.9	1225.9	1159.9	1053.9
50°	780.9	785.9	832.9	914.9	1013.9	1131.9	1200.9	1279.9	1281.9	1197.9	1078.9
52.5°	755.9	760.9	808.9	900.9	1022.9	1166.9	1250.9	1323.9	1315.9	1246.9	1107.9
55°	723.9	730.9	782.9	881.9	1027.9	1187.9	1284.9	1364.9	1360.9	1304.9	1145.9
57.5°	689.9	696.9	749.9	855.9	1022.9	1200.9	1319.9	1435.9	1434.9	1351.9	1173.9
60°	651.9	657.9	702.9	821.9	995.9	1221.9	1396.9	1512.8	1520.8	1404.9	1184.9
62.5°	601.9	602.9	647.9	772.9	960.9	1236.9	1451.9	1585.8	1580.8	1439.9	1186.9
65°	535.9	538.9	578.9	704.9	903.9	1224.9	1465.9	1618.8	1618.8	1465.9	1184.9
67.5°	472.0	471.0	504.9	619.9	815.9	1171.9	1453.9	1632.8	1639.8	1482.9	1158.9
70°	385.0	383.0	409.0	515.9	689.9	1073.9	1422.9	1644.8	1643.8	1462.9	1103.9
72.5°	285.0	284.0	302.0	391.0	527.9	918.9	1330.9	1556.8	1546.8	1366.9	996.9
75°	158.0	150.0	149.0	242.0	307.0	643.9	1130.9	1372.9	1376.9	1207.9	834.9
77.5°	23.0	24.0	25.0	44.0	53.0	241.0	734.9	1034.9	1032.9	931.9	608.9
80°	16.0	17.0	18.0	22.0	25.0	57.0	254.0	521.9	551.9	490.0	281.0
82.5°	12.0	12.0	13.0	15.0	14.0	26.0	79.0	145.0	150.0	136.0	83.0
85°	8.0	8.0	7.0	8.0	5.0	7.0	18.0	27.0	29.0	28.0	23.0
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

REPORT NUMBER: P691150

CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9
2.5°	540.9	542.9	548.9	553.9	559.9	566.9	570.9	574.9	578.9	576.9	579.9
5°	542.9	546.9	555.9	564.9	569.9	570.9	571.9	574.9	580.9	580.9	585.9
7.5°	544.9	551.9	551.9	556.9	563.9	565.9	566.9	568.9	571.9	572.9	571.9
10°	544.9	541.9	546.9	547.9	544.9	549.9	552.9	551.9	554.9	555.9	555.9
12.5°	538.9	537.9	533.9	533.9	532.9	524.9	524.9	532.9	532.9	537.9	538.9
15°	538.9	530.9	525.9	518.9	511.9	508.9	504.9	498.9	500.9	507.9	509.9
17.5°	537.9	528.9	513.9	499.9	495.0	483.0	479.0	479.0	478.0	482.0	483.0
20°	541.9	528.9	505.9	490.0	463.0	459.0	451.0	452.0	453.0	447.0	444.0
22.5°	552.9	536.9	499.9	469.0	448.0	430.0	415.0	405.0	404.0	401.0	404.0
25°	569.9	550.9	500.9	457.0	423.0	397.0	387.0	363.0	352.0	353.0	359.0
27.5°	600.9	567.9	505.9	444.0	403.0	366.0	334.0	319.0	307.0	307.0	309.0
30°	629.9	593.9	503.9	433.0	372.0	326.0	285.0	261.0	257.0	253.0	252.0
32.5°	683.9	626.9	523.9	417.0	343.0	275.0	234.0	201.0	204.0	205.0	207.0
35°	737.9	679.9	527.9	397.0	301.0	224.0	181.0	163.0	171.0	173.0	175.0
37.5°	809.9	745.9	554.9	379.0	258.0	172.0	144.0	136.0	144.0	144.0	145.0
40°	848.9	776.9	576.9	361.0	202.0	127.0	113.0	107.0	117.0	125.0	127.0
42.5°	903.9	816.9	596.9	325.0	143.0	95.0	87.0	99.0	115.0	123.0	124.0
45°	931.9	836.9	589.9	277.0	94.0	77.0	85.0	100.0	116.0	124.0	125.0
47.5°	969.9	864.9	575.9	221.0	75.0	76.0	86.0	103.0	119.0	126.0	127.0
50°	1006.9	893.9	539.9	176.0	72.0	76.0	88.0	104.0	118.0	123.0	122.0
52.5°	1027.9	920.9	494.0	134.0	72.0	77.0	90.0	106.0	117.0	118.0	118.0
55°	1046.9	923.9	456.0	104.0	71.0	78.0	92.0	108.0	118.0	118.0	116.0
57.5°	1058.9	911.9	427.0	90.0	71.0	78.0	92.0	108.0	123.0	126.0	123.0
60°	1053.9	888.9	407.0	84.0	69.0	77.0	91.0	111.0	151.0	158.0	152.0
62.5°	1041.9	875.9	364.0	77.0	66.0	74.0	89.0	120.0	162.0	163.0	158.0
65°	1030.9	832.9	312.0	69.0	62.0	71.0	86.0	122.0	137.0	132.0	131.0
67.5°	980.9	776.9	238.0	61.0	56.0	67.0	83.0	112.0	122.0	116.0	114.0
70°	909.9	678.9	159.0	52.0	50.0	62.0	83.0	105.0	109.0	99.0	95.0
72.5°	779.9	561.9	87.0	42.0	42.0	57.0	75.0	98.0	101.0	89.0	82.0
75°	634.9	407.0	56.0	32.0	32.0	48.0	68.0	93.0	99.0	86.0	77.0
77.5°	437.0	223.0	39.0	23.0	21.0	37.0	54.0	76.0	88.0	74.0	63.0
80°	148.0	59.0	25.0	15.0	13.0	21.0	36.0	59.0	80.0	76.0	68.0
82.5°	58.0	37.0	17.0	10.0	9.0	10.0	18.0	37.0	64.0	69.0	80.0
85°	17.0	10.0	6.0	5.0	5.0	5.0	5.0	15.0	38.0	50.0	63.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	9.0	16.0	21.0
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)