

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX15S-BK-5000K-5H5V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s26060036a-01)
Test Lab: INNOVATION CENTER
Issue Date: 27-07-2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: TRX15S-BK-5000K-5H5V
Description: 15W Tracer Floodlight , NEMA 5H5V , Black Finish
Light Source: 80 CRI,5000K
Ballast/Driver: -

Summary

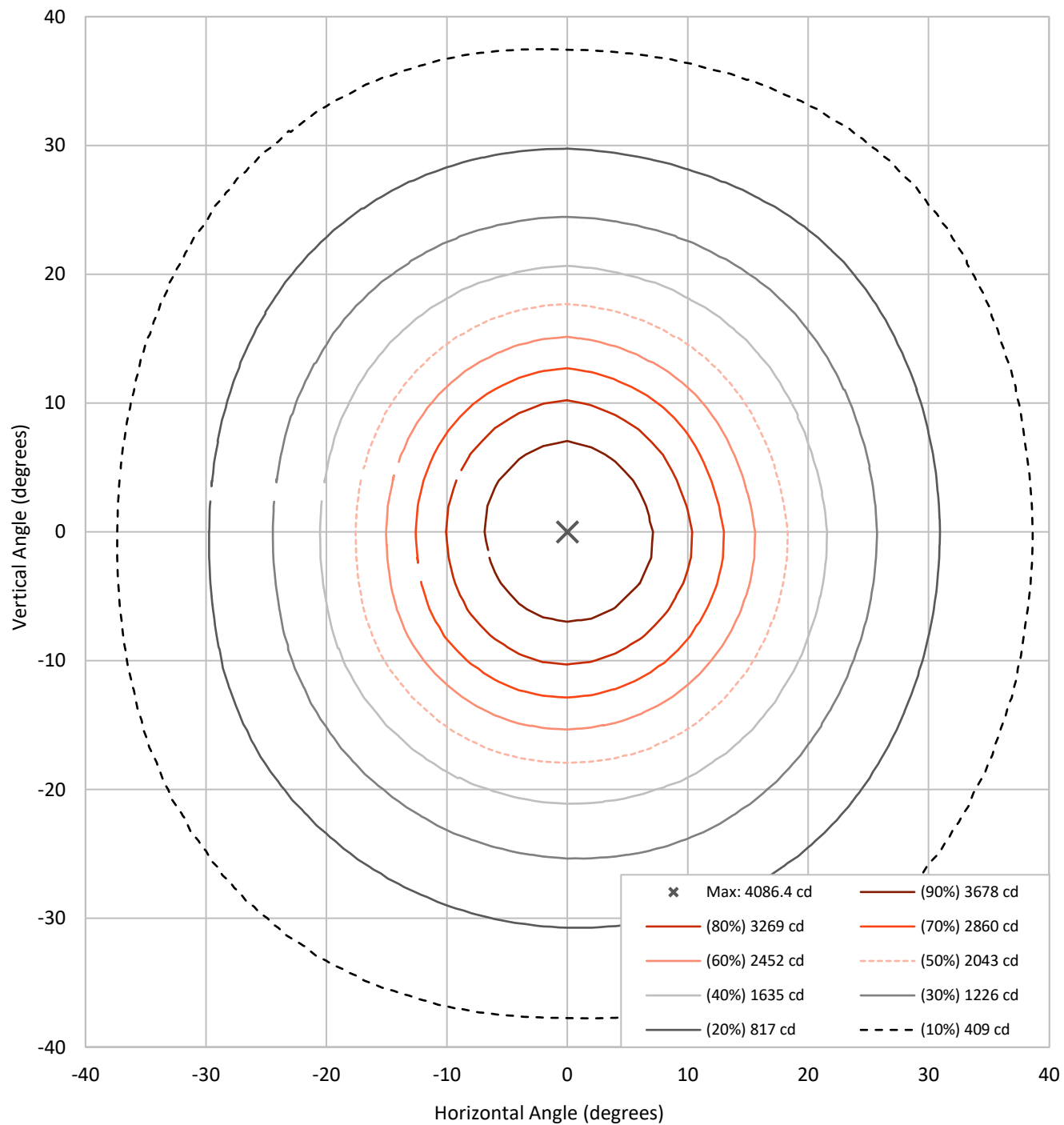
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	2405.3 lumens	Max Intensity:	4086.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.2 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	35.8°H x 35.6°V	Field Angle (10%):	76°H x 74.9°V
Beam Lumens:	886.7 lumens	Field Lumens:	1895.9 lumens
Beam Efficiency:	36.9%	Field Efficiency:	78.8%

Input Watts (W): 15.6
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: 25 FT



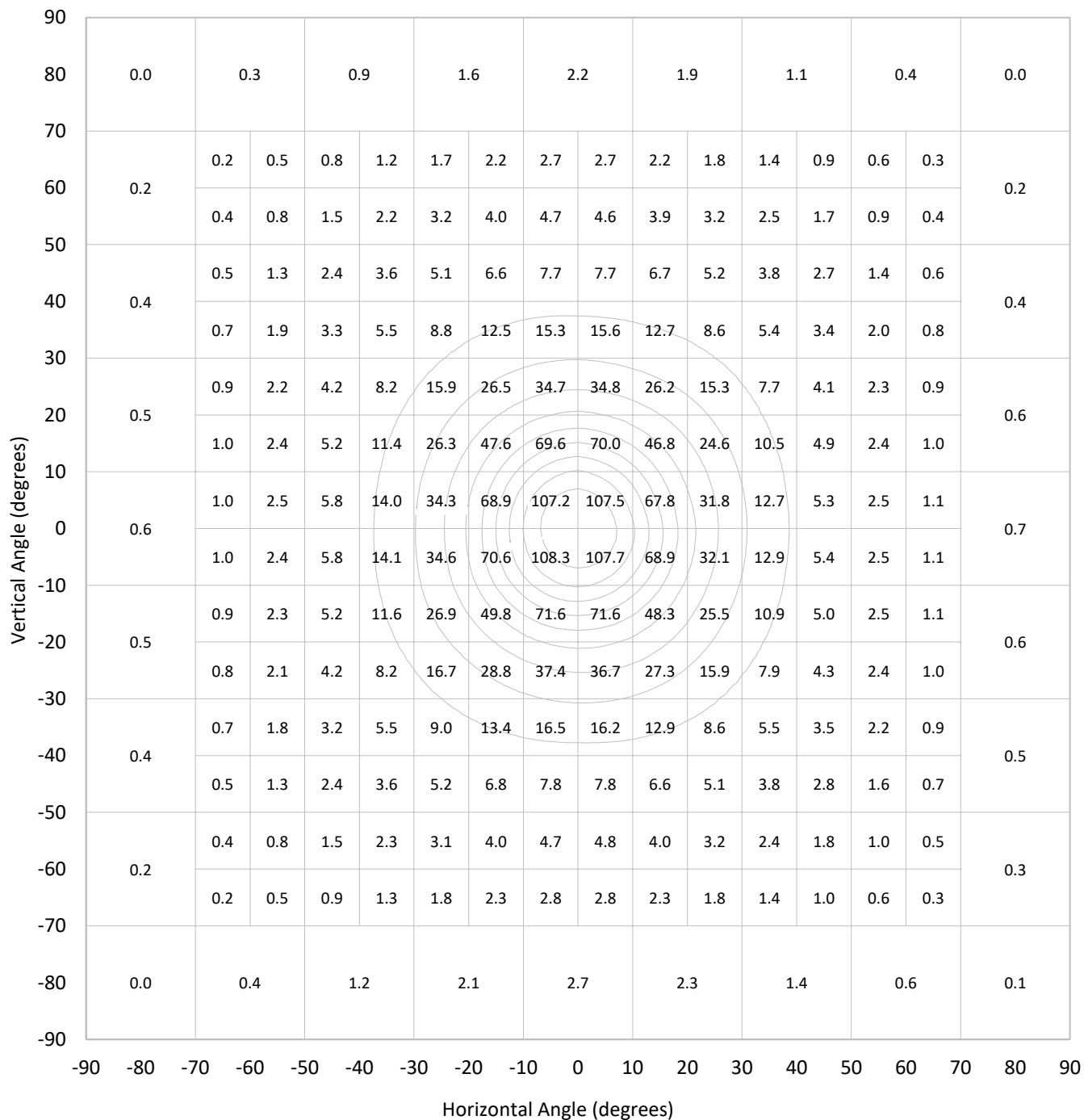
REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



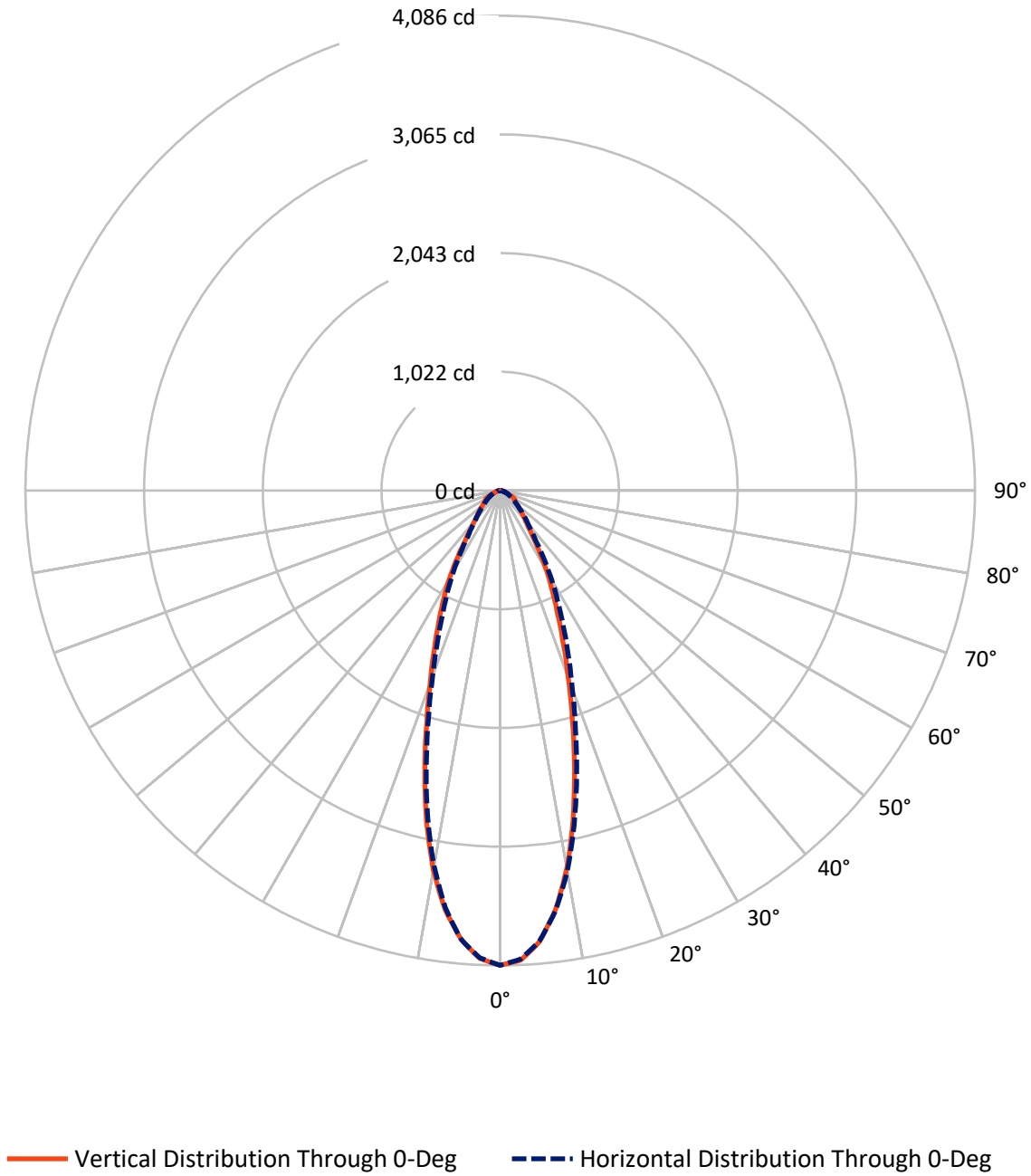
REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



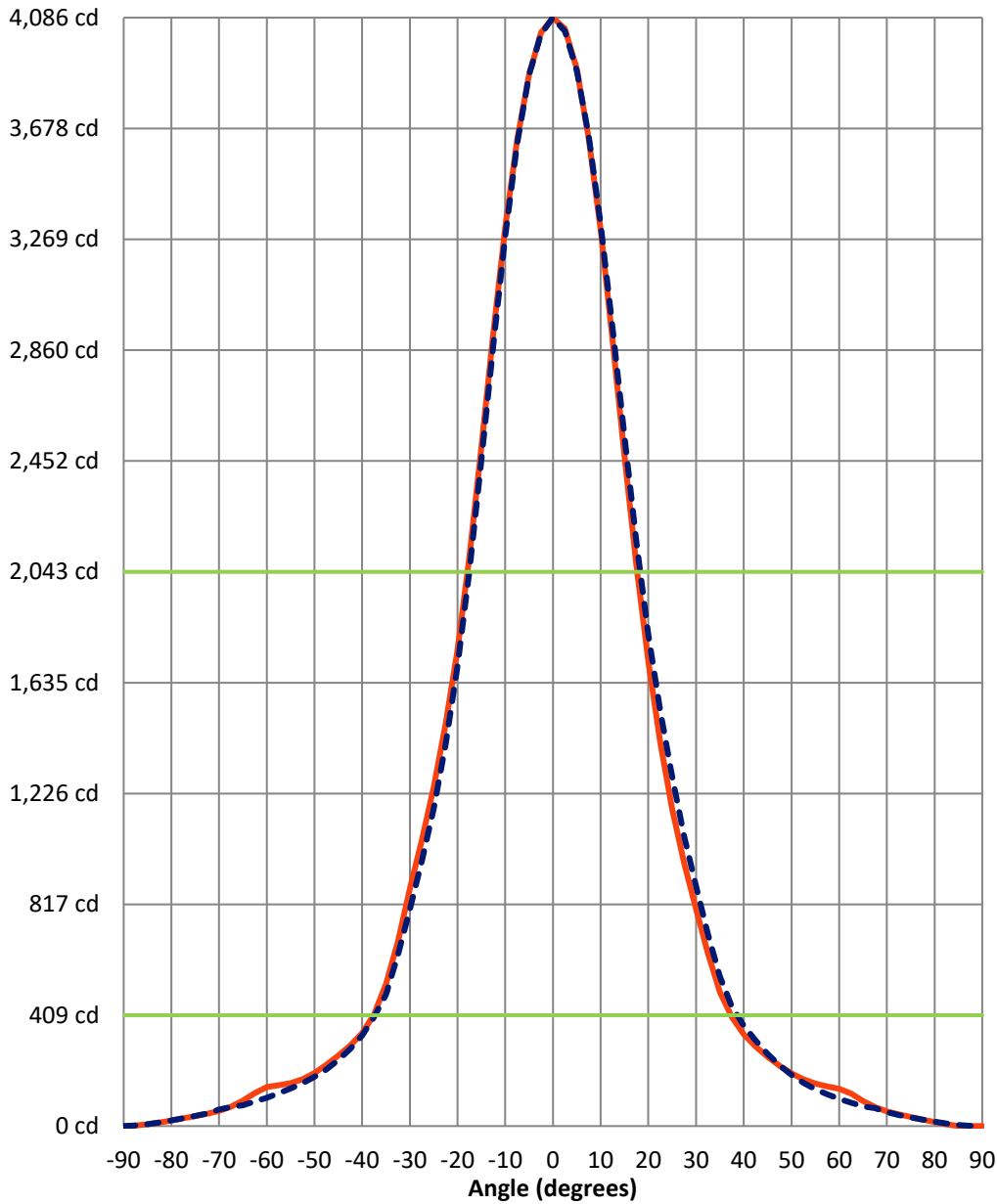
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 35.8°
V Angle: 35.6°
Lumens: 886.7
Efficiency: 36.9%

Field:

H Angle: 76°
V Angle: 74.9°
Lumens: 1895.9
Efficiency: 78.8%

Spill:

Lumens: 509.4
Efficiency: 21.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4
87.5°	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
82.5°	0.1	0.2	0.4	0.6	0.8	1.1	1.3	1.6	1.9	2.1	2.3
80°	0.1	0.3	0.6	0.9	1.2	1.6	2.1	2.5	3.1	3.5	4.0
77.5°	0.1	0.3	0.7	1.2	1.7	2.3	3.0	3.7	4.5	5.3	6.1
75°	0.1	0.4	0.9	1.5	2.2	3.1	4.0	5.1	6.2	7.2	8.4
72.5°	0.1	0.5	1.1	1.9	2.8	4.0	5.3	6.6	7.9	9.4	11.0
70°	0.1	0.6	1.3	2.2	3.5	5.0	6.5	8.0	9.9	11.8	13.9
67.5°	0.1	0.6	1.5	2.7	4.3	6.0	7.8	9.8	12.1	14.5	16.8
65°	0.1	0.7	1.7	3.2	5.1	7.0	9.2	11.7	14.4	17.1	20.0
62.5°	0.1	0.8	2.0	3.7	5.9	8.0	10.7	13.6	16.7	19.9	23.0
60°	0.1	0.9	2.2	4.2	6.6	9.2	12.3	15.6	19.0	22.5	26.1
57.5°	0.1	1.0	2.5	4.8	7.4	10.5	13.9	17.5	21.4	25.2	29.2
55°	0.1	1.0	2.8	5.4	8.2	11.7	15.5	19.5	23.7	27.9	32.2
52.5°	0.1	1.1	3.1	5.9	9.0	12.9	17.1	21.5	26.0	30.6	35.4
50°	0.1	1.2	3.3	6.4	9.9	14.1	18.6	23.4	28.3	33.3	38.6
47.5°	0.1	1.3	3.6	6.9	10.9	15.4	20.2	25.3	30.5	36.0	41.9
45°	0.1	1.4	3.9	7.5	11.7	16.6	21.8	27.2	32.7	38.7	45.1
42.5°	0.1	1.5	4.2	7.9	12.6	17.7	23.3	29.0	34.9	41.4	48.4
40°	0.1	1.6	4.5	8.5	13.4	18.8	24.7	30.7	37.0	44.0	52.0
37.5°	0.1	1.6	4.8	8.9	14.2	19.9	26.1	32.4	39.1	46.5	55.8
35°	0.1	1.7	5.1	9.5	15.0	21.0	27.4	34.1	41.2	49.2	59.9
32.5°	0.1	1.8	5.4	10.0	15.7	22.0	28.7	35.6	43.1	51.9	64.0
30°	0.1	1.9	5.6	10.5	16.4	23.0	29.9	37.0	45.0	54.8	67.2
27.5°	0.1	1.9	5.8	10.9	17.1	23.9	30.9	38.4	46.7	57.9	69.2
25°	0.1	2.0	6.1	11.3	17.7	24.7	32.0	39.8	48.5	61.1	70.7
22.5°	0.1	2.1	6.2	11.7	18.2	25.5	33.0	41.0	50.2	64.1	72.4
20°	0.1	2.1	6.4	12.0	18.7	26.2	33.9	42.1	51.9	66.5	73.9
17.5°	0.1	2.1	6.6	12.4	19.2	26.8	34.7	43.1	53.5	68.0	75.1
15°	0.1	2.2	6.7	12.6	19.6	27.3	35.4	44.0	55.1	68.8	76.0
12.5°	0.1	2.2	6.8	12.9	20.0	27.8	36.0	44.7	56.6	69.2	76.6
10°	0.1	2.2	6.9	13.1	20.3	28.2	36.5	45.4	58.1	69.6	77.1
7.5°	0.1	2.3	7.0	13.2	20.5	28.6	36.9	45.9	59.3	69.9	77.4
5°	0.1	2.3	7.0	13.4	20.7	28.8	37.2	46.3	60.3	70.2	77.5
2.5°	0.1	2.3	7.1	13.5	20.8	29.0	37.4	46.6	60.9	70.3	77.3
0°	0.1	2.3	7.1	13.5	20.9	29.1	37.5	46.7	61.3	70.3	76.8
-2.5°	0.1	2.3	7.1	13.5	20.9	29.1	37.5	46.8	61.4	70.8	78.0
-5°	0.1	2.3	7.1	13.5	20.9	29.0	37.5	46.7	61.1	71.1	79.0
-7.5°	0.1	2.3	7.1	13.4	20.8	28.9	37.3	46.5	60.6	71.3	79.6
-10°	0.1	2.3	7.0	13.3	20.6	28.7	37.0	46.1	59.7	71.3	79.9
-12.5°	0.1	2.3	6.9	13.1	20.4	28.4	36.6	45.6	58.5	71.2	80.1
-15°	0.1	2.2	6.8	13.0	20.1	28.0	36.2	45.0	57.2	71.0	79.9
-17.5°	0.1	2.2	6.7	12.7	19.7	27.5	35.6	44.3	55.6	70.5	79.5
-20°	0.1	2.2	6.6	12.5	19.3	27.0	34.9	43.4	54.0	69.8	78.8

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.1	2.1	6.5	12.2	18.9	26.4	34.2	42.4	52.4	68.2	77.7
-25°	0.1	2.1	6.3	11.8	18.4	25.7	33.3	41.3	50.7	65.9	76.3
-27.5°	0.1	2.0	6.1	11.5	17.9	25.0	32.4	40.2	49.1	62.8	74.4
-30°	0.1	2.0	5.9	11.1	17.3	24.2	31.4	38.9	47.3	59.2	72.3
-32.5°	0.1	1.9	5.7	10.6	16.7	23.3	30.3	37.5	45.4	55.7	70.0
-35°	0.1	1.8	5.4	10.2	16.0	22.3	29.1	36.1	43.5	52.6	66.3
-37.5°	0.1	1.7	5.1	9.7	15.2	21.3	27.9	34.6	41.6	49.9	61.7
-40°	0.1	1.7	4.9	9.2	14.5	20.3	26.6	33.0	39.6	47.1	56.8
-42.5°	0.1	1.6	4.6	8.7	13.7	19.2	25.2	31.3	37.6	44.4	52.8
-45°	0.1	1.5	4.3	8.2	12.9	18.1	23.8	29.6	35.5	41.8	49.1
-47.5°	0.1	1.4	4.0	7.6	12.0	17.0	22.2	27.8	33.4	39.2	45.7
-50°	0.1	1.3	3.7	7.1	11.2	15.8	20.7	25.9	31.2	36.6	42.4
-52.5°	0.1	1.2	3.4	6.6	10.3	14.6	19.1	24.0	28.9	34.0	39.1
-55°	0.1	1.1	3.1	6.1	9.4	13.4	17.6	22.0	26.7	31.3	35.9
-57.5°	0.1	1.1	2.8	5.5	8.5	12.1	16.0	20.0	24.4	28.6	32.8
-60°	0.1	1.0	2.5	4.9	7.7	10.9	14.4	18.1	21.9	26.0	29.6
-62.5°	0.1	0.9	2.3	4.3	6.9	9.7	12.8	16.1	19.6	23.2	26.6
-65°	0.1	0.8	2.0	3.8	6.1	8.5	11.2	14.2	17.3	20.4	23.4
-67.5°	0.1	0.7	1.8	3.2	5.2	7.4	9.7	12.3	15.0	17.7	20.3
-70°	0.1	0.6	1.5	2.7	4.4	6.3	8.2	10.4	12.7	15.0	17.3
-72.5°	0.1	0.6	1.3	2.3	3.6	5.2	6.9	8.7	10.6	12.5	14.3
-75°	0.1	0.5	1.1	1.9	2.9	4.1	5.6	7.1	8.6	10.1	11.5
-77.5°	0.1	0.4	0.9	1.5	2.3	3.2	4.3	5.5	6.7	7.8	9.0
-80°	0.1	0.3	0.7	1.2	1.8	2.4	3.1	4.0	5.0	5.8	6.6
-82.5°	0.1	0.3	0.5	0.9	1.3	1.7	2.2	2.7	3.3	3.9	4.5
-85°	0.1	0.2	0.4	0.6	0.9	1.1	1.4	1.7	2.1	2.4	2.7
-87.5°	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.1	1.2	1.3
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	1.0	0.9	0.8
82.5°	2.5	2.7	2.9	3.1	3.3	3.6	3.8	4.1	4.3	4.6	4.8
80°	4.6	5.2	5.7	6.2	6.8	7.4	8.0	8.5	9.1	9.6	10.2
77.5°	6.9	7.8	8.7	9.7	10.6	11.6	12.4	13.3	14.2	15.1	16.1
75°	9.6	10.9	12.2	13.5	14.8	16.2	17.5	18.9	20.1	21.4	22.6
72.5°	12.7	14.4	16.1	17.8	19.6	21.3	22.9	24.6	26.3	27.9	29.5
70°	15.9	18.0	20.2	22.3	24.3	26.4	28.6	30.5	32.5	34.5	36.5
67.5°	19.4	21.8	24.2	26.8	29.3	31.7	34.1	36.7	39.2	41.7	44.0
65°	22.8	25.6	28.5	31.3	34.2	37.2	40.2	43.2	46.2	49.4	53.0
62.5°	26.2	29.5	32.7	36.1	39.6	43.1	46.5	50.3	54.6	58.6	62.0
60°	29.7	33.3	37.1	41.2	45.2	49.3	53.9	58.7	63.2	67.2	70.8
57.5°	33.2	37.4	41.9	46.3	51.3	56.6	62.1	67.1	71.9	76.9	81.8
55°	36.8	41.7	46.6	52.3	58.3	64.3	70.1	76.2	82.9	89.7	96.5
52.5°	40.6	46.0	52.0	58.7	65.3	71.9	79.5	87.9	97.0	105.7	112.9
50°	44.4	50.7	57.9	65.1	72.4	81.3	91.4	102.4	113.2	121.2	126.1
47.5°	48.3	55.8	63.8	71.5	81.2	92.8	105.4	117.6	126.8	132.4	136.7
45°	52.6	61.2	69.4	78.7	91.3	106.0	119.7	129.9	136.3	141.5	146.8
42.5°	57.2	66.3	75.0	87.3	102.7	119.1	131.2	138.4	143.8	150.0	156.6
40°	61.9	70.9	81.9	96.9	114.1	129.5	139.3	144.8	151.0	158.3	167.4
37.5°	66.4	75.5	89.4	106.9	124.1	136.6	144.4	150.8	158.2	167.8	180.5
35°	69.6	80.5	97.5	116.2	131.7	141.3	148.6	156.8	166.3	179.4	195.8
32.5°	72.6	85.5	104.7	124.1	136.9	144.8	152.9	162.7	176.1	192.7	212.7
30°	75.8	90.6	110.8	129.2	140.4	148.3	157.6	170.1	186.7	207.5	230.3
27.5°	78.8	95.6	115.5	131.9	142.8	151.8	163.0	178.6	198.8	222.3	248.7
25°	81.6	100.0	118.8	133.3	144.2	155.3	169.1	187.6	210.9	237.2	266.9
22.5°	84.3	103.4	120.9	134.4	145.9	158.6	175.5	197.3	222.6	251.8	284.9
20°	87.0	105.8	122.3	135.3	147.8	162.5	181.7	206.2	234.1	266.0	303.0
17.5°	89.3	107.3	122.8	136.2	149.7	166.3	188.0	214.1	244.5	279.5	320.6
15°	91.1	108.2	123.1	137.0	151.6	170.2	193.7	221.3	254.2	292.1	337.9
12.5°	92.4	108.7	123.5	138.0	153.7	173.7	198.5	227.8	262.8	303.6	355.0
10°	93.1	108.6	123.8	138.9	155.6	176.9	202.6	233.3	270.1	313.5	370.3
7.5°	93.2	108.1	123.7	139.5	157.0	179.4	205.8	238.0	276.3	322.1	382.9
5°	92.9	107.2	123.2	139.7	158.0	181.1	208.0	241.5	281.1	328.8	393.4
2.5°	92.1	106.0	122.4	139.4	158.3	181.9	209.1	243.3	283.9	332.9	400.0
0°	91.0	104.3	121.1	138.6	158.0	181.7	209.0	243.6	284.6	334.1	402.2
-2.5°	92.8	106.5	123.0	139.9	159.1	182.9	210.5	244.8	285.1	334.3	402.0
-5°	94.3	108.3	124.4	140.8	159.6	183.1	210.8	244.4	283.7	331.7	397.4
-7.5°	95.4	109.8	125.5	141.2	159.3	182.4	209.8	242.5	280.3	326.3	388.7
-10°	96.1	110.8	126.2	141.2	158.5	180.9	207.8	239.4	275.5	319.0	377.2
-12.5°	96.3	111.5	126.6	140.9	157.1	178.5	204.8	235.5	269.5	309.9	363.0
-15°	96.0	111.7	126.8	140.4	155.6	175.7	200.9	230.6	262.7	299.5	346.9
-17.5°	95.1	111.5	127.0	140.2	154.1	172.5	196.0	224.7	255.0	288.5	329.7
-20°	93.8	111.4	127.2	140.0	152.4	168.8	190.5	217.8	246.3	275.7	311.1

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	92.2	110.7	126.9	140.0	150.9	165.1	184.6	208.6	234.9	262.0	293.0
-25°	90.0	109.0	126.1	139.9	149.8	161.9	177.5	197.8	222.6	247.8	275.4
-27.5°	87.6	106.3	124.6	139.5	149.4	157.8	170.2	187.5	209.4	233.2	257.3
-30°	84.9	102.7	122.1	138.5	147.6	153.6	163.5	177.7	196.1	217.6	238.4
-32.5°	81.7	98.3	118.3	134.8	144.3	150.0	157.6	168.8	183.6	200.6	219.5
-35°	78.0	93.4	112.7	128.2	139.8	146.7	152.3	161.1	171.6	185.1	200.9
-37.5°	73.8	88.2	104.5	120.3	133.4	142.5	148.1	153.3	161.1	171.3	183.9
-40°	69.6	82.0	96.0	111.0	125.3	136.6	143.2	146.4	151.8	159.4	168.9
-42.5°	64.4	75.4	87.9	101.5	115.5	128.1	135.5	139.5	143.2	148.8	155.9
-45°	58.6	69.3	80.0	92.0	104.7	116.7	124.8	130.8	134.8	138.7	144.2
-47.5°	53.2	62.8	72.4	83.0	94.2	103.8	112.2	119.0	124.4	128.8	133.1
-50°	48.7	56.1	65.2	74.3	84.0	91.6	98.9	105.4	111.2	117.0	121.5
-52.5°	44.5	50.6	57.8	66.0	74.0	81.0	86.6	92.1	97.4	102.8	107.7
-55°	40.6	45.7	51.4	58.1	64.8	71.3	76.6	80.5	84.4	88.9	92.7
-57.5°	37.0	41.3	46.0	51.0	56.3	62.0	67.3	71.5	74.7	77.0	79.6
-60°	33.4	37.2	41.0	45.1	49.1	53.4	58.0	62.5	66.5	69.0	70.5
-62.5°	29.8	33.2	36.6	39.8	43.1	46.4	49.8	53.3	57.1	60.8	63.5
-65°	26.4	29.3	32.2	34.9	37.7	40.3	43.0	45.7	48.4	51.2	53.9
-67.5°	22.9	25.5	28.0	30.3	32.6	34.8	37.0	39.2	41.3	43.4	45.4
-70°	19.5	21.8	23.9	25.9	27.7	29.7	31.5	33.2	35.0	36.7	38.3
-72.5°	16.3	18.1	19.9	21.5	23.1	24.7	26.1	27.7	29.1	30.4	31.8
-75°	13.0	14.5	16.0	17.3	18.6	19.8	21.1	22.3	23.4	24.4	25.6
-77.5°	10.1	11.3	12.3	13.4	14.4	15.4	16.3	17.2	18.0	18.8	19.7
-80°	7.4	8.3	9.0	9.7	10.4	11.1	11.8	12.4	13.0	13.6	14.2
-82.5°	5.0	5.6	6.1	6.5	7.0	7.4	7.8	8.2	8.5	8.8	9.2
-85°	3.0	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2
-87.5°	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1
-90°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2
82.5°	5.0	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.5
80°	10.7	11.2	11.7	12.2	12.6	13.0	13.4	13.7	14.1	14.4	14.6
77.5°	16.9	17.7	18.5	19.2	19.9	20.6	21.2	21.8	22.3	22.8	23.2
75°	23.8	24.9	26.1	27.1	28.1	29.0	29.9	30.7	31.4	32.0	32.6
72.5°	31.0	32.4	33.9	35.3	36.6	37.8	38.9	39.9	40.8	41.6	42.2
70°	38.5	40.3	42.2	43.9	45.6	47.4	49.1	50.7	52.1	53.1	54.0
67.5°	46.5	49.3	52.2	55.2	57.8	59.9	61.5	62.5	63.5	64.6	65.8
65°	56.6	59.8	61.9	63.5	65.3	67.4	69.4	71.6	74.4	77.1	80.0
62.5°	65.0	67.8	70.4	72.6	75.1	77.8	80.8	84.1	89.0	93.9	98.7
60°	74.4	77.8	81.2	84.5	88.0	91.9	95.2	97.9	103.5	108.9	113.9
57.5°	86.7	91.7	96.0	99.2	102.3	106.1	109.3	112.1	117.3	122.5	126.9
55°	102.6	107.7	111.4	114.0	116.8	120.8	124.4	127.7	132.2	137.0	141.2
52.5°	118.0	121.6	125.0	128.3	131.8	136.3	140.5	144.4	148.8	153.9	158.4
50°	130.1	134.1	138.5	142.9	147.3	152.3	157.9	163.6	169.2	175.4	180.8
47.5°	141.4	146.6	152.0	157.7	164.3	171.7	179.7	187.3	194.3	201.7	208.1
45°	152.6	159.0	166.8	175.7	185.3	195.2	205.4	215.2	224.4	233.3	240.7
42.5°	164.1	173.8	185.0	197.2	209.8	222.6	235.6	248.4	260.2	270.8	279.7
40°	178.6	191.7	206.5	221.8	237.8	254.6	271.0	286.6	300.7	313.5	323.8
37.5°	195.5	212.3	230.2	249.8	269.9	290.0	310.3	330.1	349.2	367.3	382.5
35°	214.5	234.7	256.9	280.3	304.5	330.5	357.7	386.7	414.9	441.5	463.3
32.5°	234.6	259.2	285.1	313.4	345.3	380.6	419.9	462.1	503.1	541.3	575.5
30°	256.1	284.3	315.8	351.9	395.0	446.3	504.2	563.4	620.0	670.9	715.1
27.5°	277.9	311.1	350.3	398.5	459.3	533.4	609.2	681.4	750.4	811.7	865.8
25°	300.4	340.2	390.4	456.9	541.3	632.0	720.7	804.4	885.3	961.6	1030.8
22.5°	323.8	372.6	437.8	525.8	630.2	732.8	832.8	934.8	1035.3	1133.4	1222.7
20°	348.2	408.2	491.3	599.9	718.6	832.9	952.0	1076.8	1202.4	1323.7	1442.8
17.5°	374.0	446.3	548.4	677.1	803.2	935.0	1078.2	1226.5	1379.4	1539.3	1698.1
15°	399.3	483.6	607.1	747.4	885.4	1036.9	1202.9	1380.1	1575.7	1782.8	1988.7
12.5°	424.2	522.1	664.7	809.6	963.1	1134.6	1324.6	1541.4	1783.0	2041.6	2300.1
10°	445.6	557.2	712.6	864.8	1034.0	1224.3	1443.8	1698.1	1986.5	2301.7	2608.5
7.5°	463.0	588.6	748.8	911.5	1091.6	1300.4	1549.8	1839.4	2176.5	2537.0	2888.3
5°	477.1	613.2	776.2	945.8	1135.9	1360.2	1629.8	1951.4	2329.6	2725.6	3107.0
2.5°	484.6	627.9	793.5	968.5	1163.1	1396.9	1681.6	2024.4	2425.9	2844.3	3244.9
0°	485.4	631.1	798.8	976.1	1170.2	1407.2	1696.6	2048.2	2455.7	2879.5	3280.2
-2.5°	487.4	634.0	799.6	974.4	1166.1	1401.8	1689.6	2037.6	2436.4	2851.2	3242.6
-5°	482.6	625.3	787.7	958.2	1143.0	1370.5	1650.6	1987.8	2372.6	2770.6	3143.0
-7.5°	471.6	607.0	765.8	931.3	1107.0	1320.2	1581.8	1892.8	2245.3	2610.7	2950.8
-10°	457.3	580.4	735.6	893.3	1055.9	1247.0	1479.1	1755.8	2062.8	2378.9	2681.3
-12.5°	436.9	546.4	703.2	841.7	991.7	1160.5	1361.4	1589.7	1845.6	2114.9	2372.2
-15°	411.7	507.5	647.2	778.8	918.7	1065.1	1233.6	1420.0	1625.0	1840.9	2056.0
-17.5°	384.8	465.3	582.1	721.5	835.7	963.7	1105.8	1261.0	1421.2	1587.3	1752.2
-20°	357.9	422.7	518.4	640.4	750.3	860.0	979.0	1108.5	1240.5	1368.6	1491.4

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	332.2	383.6	456.3	554.5	669.2	759.1	858.0	962.8	1072.8	1177.5	1274.2
-25°	307.4	347.8	402.1	477.0	568.0	666.3	745.4	830.3	918.5	1003.8	1082.1
-27.5°	284.0	316.2	356.9	409.8	478.4	556.1	637.5	711.4	779.2	847.9	912.6
-30°	261.4	287.9	319.0	356.8	404.2	461.9	522.5	584.3	646.3	700.5	753.2
-32.5°	239.4	261.5	286.6	314.7	347.3	386.1	429.4	474.9	517.0	558.7	597.4
-35°	217.8	236.5	257.0	279.5	303.8	330.0	358.6	389.1	419.9	447.5	472.0
-37.5°	197.9	212.9	229.6	247.4	267.4	287.7	307.9	328.1	347.7	366.2	382.6
-40°	179.9	191.9	204.6	218.8	234.7	250.9	267.2	283.2	297.9	311.0	322.2
-42.5°	164.1	173.4	183.3	194.4	206.2	218.7	231.9	245.0	257.0	268.2	278.1
-45°	150.4	157.3	165.1	173.6	182.5	191.6	201.8	212.3	222.0	231.9	240.7
-47.5°	137.9	143.3	149.3	155.7	162.4	169.3	177.2	185.0	192.3	200.5	208.2
-50°	125.6	129.9	135.3	140.4	145.2	150.8	156.9	162.6	168.3	175.0	181.1
-52.5°	112.0	116.7	121.8	126.4	130.4	135.5	140.3	144.8	149.9	155.5	160.4
-55°	96.4	101.9	107.2	112.0	116.3	122.0	126.8	130.8	135.8	141.2	145.9
-57.5°	82.4	86.9	91.4	95.8	100.9	107.3	113.0	117.8	124.6	131.1	136.7
-60°	71.8	74.6	77.9	81.1	85.6	90.8	96.1	101.3	109.6	117.4	124.8
-62.5°	65.5	67.3	68.9	70.4	73.1	76.5	80.5	84.8	91.1	97.4	103.7
-65°	57.2	60.3	62.6	64.2	65.8	67.7	69.8	72.2	75.5	79.1	82.9
-67.5°	47.6	49.9	52.3	54.7	57.3	59.5	61.3	62.8	64.2	65.7	67.2
-70°	40.0	41.7	43.3	44.8	46.4	48.0	49.6	51.1	52.4	53.5	54.5
-72.5°	33.2	34.5	35.7	36.9	38.1	39.3	40.4	41.4	42.4	43.3	44.1
-75°	26.7	27.8	28.7	29.7	30.7	31.7	32.5	33.4	34.2	35.0	35.6
-77.5°	20.6	21.4	22.1	22.8	23.6	24.4	25.0	25.8	26.5	27.1	27.7
-80°	14.8	15.3	15.8	16.4	17.0	17.5	18.0	18.5	19.0	19.5	19.9
-82.5°	9.6	10.0	10.3	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7
-85°	5.4	5.6	5.7	5.9	6.0	6.1	6.3	6.4	6.5	6.6	6.6
-87.5°	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
-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):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	6.6	6.7	6.7	6.7	6.3	5.9	5.4	5.0	4.6	4.2	3.7
80°	14.8	15.0	15.1	15.1	14.6	14.1	13.5	12.9	12.4	11.8	11.1
77.5°	23.5	23.8	23.9	24.0	23.4	22.7	22.0	21.2	20.5	19.7	18.9
75°	33.0	33.3	33.5	33.6	32.9	32.1	31.2	30.2	29.3	28.2	27.1
72.5°	42.8	43.1	43.3	43.4	42.7	41.9	41.0	39.9	38.8	37.6	36.3
70°	54.5	54.7	54.6	54.3	53.7	52.9	51.9	50.7	49.4	47.9	46.2
67.5°	67.0	68.3	69.5	70.4	69.0	67.4	65.7	63.9	62.1	60.2	58.2
65°	83.1	86.5	89.7	92.5	89.4	86.0	82.2	78.4	74.9	71.4	68.1
62.5°	103.9	109.6	115.0	120.0	115.3	110.2	104.6	99.0	93.6	88.0	82.3
60°	119.5	125.8	131.8	137.5	133.2	128.5	123.3	117.9	112.3	106.1	99.4
57.5°	131.6	136.8	141.6	146.1	143.3	140.2	136.7	132.7	128.2	123.0	117.1
55°	145.3	149.7	153.5	156.9	154.9	152.4	149.4	145.9	141.9	137.4	132.5
52.5°	162.5	166.6	170.0	172.7	171.0	168.6	165.6	162.0	157.7	152.9	147.7
50°	185.3	189.4	192.5	194.6	192.6	189.6	185.7	181.4	176.4	171.0	165.5
47.5°	213.3	217.6	220.7	222.5	220.2	216.8	212.2	207.0	200.7	193.5	186.5
45°	246.8	251.4	254.2	255.4	253.2	249.4	244.0	237.9	230.3	221.8	213.2
42.5°	286.5	290.9	293.1	293.4	291.6	287.9	282.3	275.4	266.6	256.7	245.9
40°	331.9	337.1	339.2	338.4	336.9	332.6	326.3	318.5	308.4	297.3	284.3
37.5°	394.6	402.0	404.3	402.2	400.3	394.1	385.1	373.5	359.1	344.4	328.4
35°	480.2	491.9	496.5	494.3	491.4	481.8	468.4	450.8	429.8	407.6	383.6
32.5°	603.6	624.2	635.4	636.3	629.2	611.6	588.8	559.9	527.7	493.9	457.9
30°	753.9	781.2	796.7	800.3	790.6	768.9	740.7	702.2	661.0	612.0	560.0
27.5°	911.2	944.4	964.4	969.9	960.8	937.4	903.5	857.4	806.1	748.7	686.7
25°	1089.6	1133.3	1161.0	1168.7	1158.6	1129.7	1086.2	1030.6	966.8	895.0	819.2
22.5°	1299.3	1360.2	1400.5	1414.2	1399.7	1360.0	1300.7	1229.3	1145.5	1055.7	961.5
20°	1547.9	1634.6	1691.6	1712.6	1686.0	1629.8	1551.1	1452.9	1343.0	1231.2	1113.2
17.5°	1844.6	1962.3	2038.0	2066.4	2028.0	1947.3	1832.5	1697.9	1561.1	1412.5	1270.3
15°	2177.8	2331.1	2434.1	2470.6	2419.2	2311.3	2161.0	1984.9	1793.8	1606.3	1426.3
12.5°	2536.3	2726.1	2852.0	2896.7	2834.0	2702.2	2517.4	2291.7	2047.8	1807.8	1586.3
10°	2888.6	3107.9	3251.3	3304.1	3231.5	3083.1	2867.1	2599.6	2302.4	2007.7	1737.7
7.5°	3196.9	3439.1	3586.2	3639.9	3571.2	3418.8	3180.9	2875.6	2534.8	2193.7	1881.0
5°	3441.5	3691.1	3841.3	3896.8	3827.9	3671.7	3422.1	3091.5	2723.3	2351.1	2004.4
2.5°	3590.3	3844.2	3991.4	4045.1	3986.3	3828.1	3568.8	3239.1	2860.7	2472.2	2098.7
0°	3621.6	3875.8	4026.0	4086.4	4035.7	3890.1	3649.9	3324.8	2942.0	2542.6	2153.8
-2.5°	3569.9	3815.7	3970.5	4030.6	4006.1	3869.9	3630.4	3305.3	2927.4	2530.7	2143.2
-5°	3454.1	3680.4	3824.0	3876.4	3848.2	3709.8	3475.0	3165.2	2806.1	2432.1	2069.7
-7.5°	3236.9	3455.7	3595.3	3636.3	3601.8	3465.5	3240.5	2948.2	2618.2	2278.9	1951.7
-10°	2946.3	3154.5	3280.0	3313.9	3273.2	3143.7	2938.1	2675.8	2386.1	2091.4	1803.8
-12.5°	2607.4	2789.9	2896.0	2923.8	2883.8	2770.6	2593.4	2374.8	2134.1	1885.8	1647.7
-15°	2245.6	2395.6	2483.0	2504.2	2472.6	2384.2	2244.8	2072.2	1879.3	1678.5	1490.8
-17.5°	1902.3	2015.7	2083.0	2101.9	2082.2	2019.5	1919.0	1787.1	1641.3	1490.5	1330.9
-20°	1601.5	1686.7	1739.5	1756.6	1746.8	1703.7	1633.9	1544.1	1430.3	1309.0	1179.2

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1356.2	1419.5	1463.6	1482.5	1478.2	1448.0	1396.9	1326.6	1241.7	1139.9	1029.9
-25°	1148.3	1199.6	1234.0	1249.3	1249.3	1230.2	1192.5	1135.3	1063.3	978.0	885.8
-27.5°	967.3	1009.7	1038.7	1052.9	1052.9	1037.3	1004.9	956.8	895.1	825.7	748.9
-30°	799.5	836.3	862.1	874.7	872.5	856.1	825.7	784.7	734.2	677.5	614.9
-32.5°	630.1	654.9	673.0	679.9	681.0	670.2	649.8	620.6	583.6	541.1	496.0
-35°	492.8	509.3	520.8	524.4	525.9	519.2	505.8	486.2	461.9	434.3	404.4
-37.5°	395.8	405.2	410.9	411.9	413.4	410.1	402.8	392.0	377.1	359.1	340.3
-40°	330.9	337.4	341.5	342.7	343.5	341.3	336.3	329.0	318.6	306.1	291.7
-42.5°	285.8	291.7	295.4	297.1	296.6	294.0	289.2	282.4	273.4	262.9	251.3
-45°	248.2	253.7	257.7	260.0	258.5	255.4	250.6	243.8	235.3	225.7	216.1
-47.5°	214.9	220.0	223.7	226.2	224.2	220.9	216.3	210.2	202.7	194.3	186.5
-50°	186.3	190.3	193.4	195.5	193.7	190.8	187.0	181.8	175.8	169.2	162.9
-52.5°	164.7	168.0	170.7	172.8	170.8	168.2	164.8	160.4	155.0	148.9	143.2
-55°	150.1	153.3	156.0	158.4	155.8	152.8	149.2	144.6	139.3	133.2	127.4
-57.5°	141.3	144.7	147.8	150.7	147.1	143.3	139.1	133.8	127.3	119.9	112.3
-60°	130.8	135.6	140.0	143.9	139.0	133.6	127.9	121.1	113.3	105.3	97.3
-62.5°	109.2	113.8	118.0	121.6	117.6	113.0	108.0	102.2	95.6	89.0	82.5
-65°	86.2	89.1	91.8	94.0	91.6	88.7	85.5	81.9	77.9	74.0	70.6
-67.5°	68.6	69.8	70.8	71.5	70.8	69.8	68.7	67.4	65.9	64.4	62.8
-70°	55.1	55.6	55.8	55.9	55.7	55.3	54.6	53.6	52.2	50.7	48.9
-72.5°	44.6	45.0	45.3	45.5	45.1	44.6	44.0	43.2	42.3	41.2	40.0
-75°	36.1	36.5	36.7	36.9	36.5	36.1	35.6	34.9	34.1	33.2	32.1
-77.5°	28.1	28.5	28.7	28.9	28.5	28.1	27.5	26.9	26.2	25.4	24.5
-80°	20.2	20.4	20.6	20.7	20.4	20.1	19.7	19.2	18.7	18.0	17.4
-82.5°	12.8	13.0	13.1	13.1	12.9	12.6	12.3	12.0	11.5	11.1	10.6
-85°	6.7	6.7	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.3
-87.5°	2.2	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
82.5°	3.2	3.0	2.7	2.3	2.0	1.8	1.7	1.5	1.4	1.3	1.2
80°	10.4	9.9	9.3	8.7	8.1	7.6	7.0	6.5	5.9	5.4	4.8
77.5°	18.0	17.2	16.4	15.5	14.6	13.8	12.8	11.9	11.1	10.2	9.4
75°	26.0	25.0	23.8	22.6	21.5	20.3	19.2	18.0	16.9	15.7	14.5
72.5°	35.0	33.6	32.1	30.6	29.1	27.7	26.1	24.5	23.0	21.5	19.9
70°	44.6	42.8	41.1	39.2	37.2	35.4	33.4	31.5	29.6	27.7	25.7
67.5°	56.0	53.7	51.3	48.6	46.1	43.6	41.2	38.8	36.4	34.0	31.8
65°	65.5	63.2	61.0	58.6	56.0	52.7	49.6	46.4	43.6	40.8	38.0
62.5°	77.7	73.5	69.6	66.3	63.7	61.6	58.9	55.3	51.4	47.8	44.4
60°	94.0	88.1	82.3	77.1	72.9	69.0	65.5	62.9	60.5	56.4	51.4
57.5°	111.4	105.3	98.5	92.2	86.1	80.1	74.6	70.9	67.3	63.9	60.3
55°	127.3	121.4	114.5	108.4	102.0	95.0	87.9	82.1	76.7	71.9	67.3
52.5°	142.1	136.0	129.5	123.2	116.5	109.3	103.0	96.6	89.3	82.2	76.4
50°	159.2	152.2	145.0	137.6	130.0	122.4	116.4	110.4	103.6	95.2	87.7
47.5°	178.5	170.5	162.7	154.0	144.9	136.1	128.6	122.1	115.7	109.1	100.9
45°	203.4	193.0	182.7	172.3	162.2	151.9	142.2	133.2	125.8	120.3	114.1
42.5°	233.6	220.9	208.0	194.4	181.1	169.3	157.8	146.3	136.5	129.4	124.0
40°	269.8	254.6	238.2	221.5	204.8	188.8	174.2	161.3	148.9	138.8	131.7
37.5°	311.0	292.6	273.2	253.0	232.6	212.6	193.6	176.8	163.1	149.8	139.5
35°	359.3	335.7	312.0	287.7	263.9	239.8	216.6	195.2	177.1	162.3	148.7
32.5°	422.7	388.3	355.9	325.3	296.6	269.4	242.0	216.3	193.4	174.5	158.8
30°	507.2	456.6	409.2	367.9	332.1	299.0	268.6	239.2	211.8	188.1	169.1
27.5°	618.4	544.9	476.6	419.0	370.6	330.1	294.7	262.5	231.4	202.9	179.7
25°	739.5	653.0	563.1	481.2	414.4	362.8	321.3	284.7	250.9	218.8	191.4
22.5°	864.0	764.4	661.8	555.7	466.2	398.3	348.1	306.5	269.8	235.0	203.6
20°	994.6	878.1	758.8	638.4	527.1	438.1	374.8	327.8	287.1	250.5	215.6
17.5°	1129.4	990.3	856.2	722.1	591.8	482.7	403.0	347.9	303.6	264.2	226.8
15°	1260.2	1100.6	950.2	802.5	656.7	528.9	432.3	367.2	318.9	276.2	237.1
12.5°	1384.0	1204.8	1035.5	877.2	719.8	574.0	462.8	386.3	332.9	287.1	246.1
10°	1507.0	1298.3	1112.8	942.5	775.5	617.2	491.0	404.1	344.9	296.7	253.7
7.5°	1611.8	1381.3	1178.6	994.3	821.5	654.9	515.1	419.1	355.0	304.4	259.5
5°	1703.0	1452.7	1231.9	1033.0	856.2	683.4	534.4	430.8	363.0	310.3	263.6
2.5°	1772.8	1504.5	1269.4	1058.8	877.2	701.0	546.9	438.3	368.2	314.0	265.9
0°	1811.2	1530.9	1287.6	1069.0	884.7	707.0	551.4	441.1	370.4	315.4	266.3
-2.5°	1800.8	1521.2	1278.2	1060.4	878.1	703.3	548.8	439.2	369.0	314.2	265.5
-5°	1748.1	1481.3	1247.0	1035.5	859.0	688.7	538.0	432.5	364.4	310.5	262.7
-7.5°	1661.7	1412.4	1192.5	994.8	827.4	663.7	519.8	421.5	356.9	304.5	258.0
-10°	1556.2	1328.9	1123.7	943.4	785.2	628.8	496.3	407.0	346.7	296.4	251.8
-12.5°	1430.5	1231.6	1045.7	885.0	734.7	585.8	468.4	389.8	334.1	286.1	243.9
-15°	1304.2	1126.9	962.2	819.0	676.1	539.5	438.4	370.6	319.6	274.6	234.6
-17.5°	1174.5	1018.6	877.8	745.6	609.8	493.1	407.8	350.1	303.6	261.8	224.2
-20°	1042.6	911.4	788.7	665.3	543.3	446.7	378.3	328.9	286.0	248.0	213.1



REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	914.9	805.1	695.3	581.0	480.6	403.7	350.2	306.8	268.0	232.9	201.4
-25°	792.7	695.7	596.2	502.4	423.2	366.4	322.7	284.2	249.5	217.1	189.4
-27.5°	669.3	585.7	503.4	431.0	375.6	332.8	295.6	261.7	230.5	201.7	177.5
-30°	549.7	485.6	424.2	375.0	335.9	301.2	268.9	239.2	211.1	186.9	167.1
-32.5°	448.3	403.9	364.9	330.9	300.0	270.8	243.1	216.7	193.0	173.2	156.7
-35°	373.8	345.5	318.4	292.1	266.6	241.9	218.0	195.7	176.6	161.1	147.5
-37.5°	320.1	299.3	278.2	257.1	235.6	214.6	194.7	177.0	162.8	149.5	139.5
-40°	276.1	259.6	242.4	224.8	207.0	190.0	174.7	161.9	149.6	139.9	132.7
-42.5°	238.1	224.4	210.5	196.2	182.1	169.7	158.5	147.7	138.8	131.9	125.9
-45°	205.6	194.2	183.0	172.3	162.5	152.5	143.5	135.9	129.8	124.2	116.5
-47.5°	177.9	169.3	161.4	153.1	145.0	137.6	131.3	125.9	121.0	113.8	102.9
-50°	156.3	149.1	142.3	136.3	130.5	125.1	120.4	115.6	108.7	99.1	88.5
-52.5°	138.0	132.3	126.4	122.0	117.5	113.0	108.0	101.2	93.0	84.5	77.4
-55°	122.7	117.4	111.6	107.7	103.5	98.4	92.1	85.5	79.1	74.0	69.1
-57.5°	107.6	102.5	96.9	92.6	88.3	83.1	77.8	73.7	69.9	66.1	61.4
-60°	93.1	88.3	83.1	78.4	74.9	71.6	68.6	65.8	62.6	58.1	53.3
-62.5°	78.4	74.8	71.4	68.5	66.6	64.7	61.9	58.1	54.0	50.1	46.6
-65°	68.3	66.6	65.0	63.0	60.2	56.5	52.5	49.0	46.1	43.2	40.3
-67.5°	60.7	57.9	54.8	51.7	48.8	46.3	44.0	41.5	39.2	36.7	34.3
-70°	47.3	45.7	44.0	42.2	40.5	38.6	36.7	34.7	32.8	30.9	28.9
-72.5°	38.7	37.5	36.1	34.7	33.1	31.7	30.1	28.5	26.9	25.3	23.7
-75°	31.1	30.0	28.8	27.6	26.4	25.1	23.9	22.6	21.3	20.0	18.7
-77.5°	23.6	22.7	21.8	20.9	19.9	19.0	18.1	17.1	16.0	14.9	13.8
-80°	16.7	16.0	15.3	14.6	13.8	13.1	12.3	11.6	10.8	10.1	9.4
-82.5°	10.1	9.7	9.3	8.8	8.4	7.9	7.5	7.0	6.6	6.1	5.6
-85°	5.1	4.8	4.6	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.7
-87.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
82.5°	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.4
80°	4.3	3.7	3.2	2.9	2.5	2.2	2.0	1.7	1.4	1.1	0.8
77.5°	8.5	7.7	6.9	6.0	5.2	4.5	3.8	3.1	2.6	2.1	1.6
75°	13.1	11.8	10.7	9.5	8.4	7.2	6.2	5.1	4.2	3.4	2.5
72.5°	18.3	16.8	15.1	13.4	11.8	10.2	8.8	7.4	6.1	4.9	3.7
70°	23.8	21.8	19.8	17.8	15.8	13.7	11.7	9.8	8.1	6.6	5.1
67.5°	29.4	27.0	24.7	22.3	19.9	17.5	15.0	12.6	10.3	8.3	6.5
65°	35.1	32.5	29.7	26.9	24.1	21.3	18.5	15.7	12.9	10.3	8.0
62.5°	41.2	38.0	34.8	31.6	28.4	25.2	21.9	18.8	15.6	12.4	9.7
60°	47.4	43.6	40.0	36.4	32.7	29.1	25.5	21.9	18.4	14.8	11.4
57.5°	55.0	49.8	45.3	41.1	37.1	33.0	29.0	25.0	21.0	17.2	13.3
55°	63.3	57.7	51.4	46.1	41.4	36.9	32.5	28.0	23.8	19.4	15.3
52.5°	71.1	65.6	59.0	51.8	46.0	40.8	36.0	31.2	26.4	21.7	17.3
50°	80.6	73.8	66.7	58.9	51.2	44.8	39.4	34.2	29.0	24.0	19.1
47.5°	91.8	83.3	74.9	66.4	57.3	49.4	42.9	37.2	31.6	26.2	20.9
45°	104.5	93.9	83.7	73.8	64.4	54.4	46.5	40.0	34.1	28.3	22.7
42.5°	117.0	105.6	92.9	81.6	71.2	60.4	50.6	42.9	36.5	30.4	24.5
40°	126.4	116.9	102.9	89.8	77.9	66.8	54.9	45.9	38.9	32.4	26.2
37.5°	132.6	125.5	113.3	98.2	85.0	72.5	59.9	49.2	41.2	34.4	27.8
35°	138.1	131.2	122.3	107.1	92.1	77.4	65.3	52.5	43.5	36.3	29.4
32.5°	145.0	135.6	128.6	116.0	97.9	82.2	69.6	56.2	45.8	38.0	30.9
30°	152.9	140.5	132.9	122.4	103.7	86.6	72.8	60.4	48.2	39.7	32.2
27.5°	161.6	146.3	135.8	125.8	108.9	90.7	75.9	64.7	50.6	41.3	33.5
25°	169.8	152.2	137.9	127.5	113.0	94.5	78.8	67.9	53.0	42.7	34.7
22.5°	178.0	157.9	140.9	128.8	116.0	98.0	81.5	69.7	55.4	44.2	35.8
20°	186.2	163.3	144.2	130.1	117.9	101.0	83.8	70.8	57.9	45.5	36.8
17.5°	194.3	168.3	147.6	131.5	118.9	103.2	85.4	71.8	60.5	46.7	37.7
15°	202.0	173.5	151.1	133.0	119.4	104.2	86.7	72.6	62.7	47.9	38.5
12.5°	209.0	178.3	154.2	134.5	119.7	104.8	87.7	73.3	64.5	48.9	39.2
10°	215.0	182.3	156.5	135.8	119.8	104.8	88.3	73.7	65.5	49.8	39.7
7.5°	219.5	185.4	158.3	136.6	119.7	104.3	88.4	73.9	66.0	50.6	40.1
5°	222.5	187.7	159.5	136.9	119.3	103.4	88.1	73.7	66.3	51.1	40.5
2.5°	224.1	188.9	160.0	136.8	118.5	102.1	87.4	73.3	66.3	51.4	40.6
0°	224.1	188.9	159.6	136.0	117.3	100.4	86.3	72.6	66.2	51.5	40.7
-2.5°	223.5	188.5	159.6	136.3	118.0	101.1	86.4	72.6	65.9	51.4	40.6
-5°	221.4	186.9	158.6	136.0	118.2	101.3	86.1	72.4	65.5	51.0	40.5
-7.5°	217.8	184.2	156.8	135.1	118.0	101.1	85.5	71.9	65.0	50.5	40.1
-10°	212.9	180.5	154.4	133.8	117.3	100.4	84.5	71.2	64.4	49.8	39.7
-12.5°	206.9	176.0	151.4	132.2	116.3	99.2	83.2	70.3	63.5	48.9	39.2
-15°	199.9	171.3	148.1	130.4	114.8	97.4	81.4	69.1	61.9	47.9	38.5
-17.5°	192.2	166.1	144.5	128.6	113.2	95.0	79.4	67.9	60.1	46.7	37.7
-20°	183.6	160.2	141.0	126.8	111.3	92.8	77.3	66.6	57.9	45.5	36.9



REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	175.2	154.1	137.7	124.7	108.5	90.0	75.3	65.2	55.3	44.2	35.9
-25°	167.1	148.6	134.8	122.2	104.9	86.7	73.0	63.9	52.8	42.8	34.8
-27.5°	158.5	143.0	132.2	119.2	100.4	83.0	70.5	62.3	50.4	41.3	33.7
-30°	150.3	138.0	128.5	114.7	95.0	79.3	67.9	59.6	48.1	39.7	32.4
-32.5°	143.1	133.5	123.7	107.9	89.3	75.6	65.3	55.9	45.9	38.1	31.1
-35°	137.2	128.9	117.2	99.5	83.8	71.7	62.3	52.2	43.6	36.4	29.7
-37.5°	132.1	123.1	108.1	91.0	78.2	67.7	58.8	49.0	41.4	34.6	28.3
-40°	126.1	114.6	97.8	83.4	72.8	63.3	54.4	46.0	39.1	32.8	26.7
-42.5°	117.1	103.0	87.9	76.9	67.6	58.8	50.2	43.2	36.8	30.9	25.1
-45°	104.3	90.8	79.7	70.7	62.2	54.0	46.6	40.3	34.5	28.9	23.5
-47.5°	90.7	80.7	72.7	64.7	56.6	49.4	43.3	37.5	32.1	26.9	21.8
-50°	79.8	72.8	65.9	58.1	51.3	45.4	39.8	34.7	29.7	24.9	20.1
-52.5°	71.5	65.6	58.6	52.2	46.7	41.5	36.6	31.9	27.3	22.8	18.4
-55°	64.0	57.9	52.1	47.1	42.3	37.7	33.4	29.1	24.8	20.7	16.7
-57.5°	56.0	51.1	46.6	42.3	38.1	34.0	30.1	26.3	22.4	18.6	14.9
-60°	49.2	45.3	41.5	37.6	34.0	30.5	26.9	23.4	19.9	16.5	13.1
-62.5°	43.1	39.8	36.4	33.2	30.1	26.9	23.7	20.6	17.5	14.4	11.3
-65°	37.2	34.4	31.8	29.0	26.2	23.4	20.6	17.8	15.1	12.2	9.6
-67.5°	32.0	29.6	27.3	24.8	22.4	20.0	17.5	15.1	12.6	10.2	8.1
-70°	26.9	24.9	22.9	20.8	18.7	16.6	14.4	12.3	10.3	8.4	6.5
-72.5°	22.0	20.3	18.6	16.8	15.0	13.3	11.4	9.8	8.2	6.6	5.1
-75°	17.3	15.9	14.4	13.0	11.5	10.1	8.8	7.5	6.2	5.0	3.9
-77.5°	12.7	11.6	10.5	9.5	8.4	7.4	6.3	5.4	4.5	3.6	2.8
-80°	8.6	7.9	7.1	6.4	5.7	5.0	4.2	3.6	3.0	2.4	1.8
-82.5°	5.1	4.7	4.3	3.8	3.4	2.9	2.5	2.1	1.7	1.3	1.0
-85°	2.5	2.3	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.6	0.4
-87.5°	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-5000K-5H5V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.3	0.2	0.2	0.1	0.1	0.1	0.1
80°	0.6	0.4	0.3	0.2	0.1	0.1	0.1
77.5°	1.1	0.8	0.5	0.3	0.1	0.1	0.1
75°	1.8	1.2	0.8	0.4	0.2	0.1	0.1
72.5°	2.7	1.8	1.1	0.6	0.3	0.1	0.1
70°	3.7	2.5	1.5	0.8	0.4	0.1	0.1
67.5°	4.8	3.3	2.1	1.1	0.5	0.1	0.1
65°	6.0	4.2	2.6	1.4	0.6	0.1	0.1
62.5°	7.3	5.1	3.2	1.7	0.7	0.2	0.1
60°	8.5	6.1	3.8	2.1	0.9	0.2	0.1
57.5°	9.9	7.1	4.5	2.4	1.0	0.2	0.1
55°	11.3	8.1	5.2	2.8	1.2	0.3	0.1
52.5°	12.8	9.1	5.9	3.3	1.4	0.3	0.1
50°	14.5	10.1	6.7	3.7	1.6	0.3	0.1
47.5°	16.0	11.2	7.4	4.1	1.7	0.4	0.1
45°	17.5	12.3	8.1	4.5	1.9	0.4	0.1
42.5°	18.9	13.5	8.8	5.0	2.1	0.5	0.1
40°	20.2	14.6	9.5	5.4	2.3	0.5	0.1
37.5°	21.5	15.7	10.2	5.9	2.5	0.6	0.1
35°	22.8	16.7	10.9	6.3	2.7	0.6	0.1
32.5°	24.0	17.6	11.5	6.7	2.9	0.7	0.1
30°	25.1	18.5	12.2	7.1	3.0	0.7	0.1
27.5°	26.1	19.3	12.8	7.4	3.2	0.7	0.1
25°	27.1	20.0	13.4	7.8	3.4	0.8	0.1
22.5°	28.0	20.7	13.9	8.1	3.5	0.8	0.1
20°	28.9	21.4	14.5	8.4	3.6	0.9	0.1
17.5°	29.6	21.9	14.9	8.6	3.8	0.9	0.1
15°	30.2	22.4	15.3	8.9	3.9	0.9	0.1
12.5°	30.8	22.8	15.6	9.1	4.0	0.9	0.1
10°	31.2	23.2	15.9	9.2	4.0	1.0	0.1
7.5°	31.6	23.4	16.1	9.4	4.1	1.0	0.1
5°	31.8	23.6	16.2	9.5	4.2	1.0	0.1
2.5°	31.9	23.8	16.4	9.6	4.2	1.0	0.1
0°	32.0	23.8	16.4	9.6	4.2	1.0	0.1
-2.5°	32.0	23.8	16.4	9.6	4.2	1.0	0.1
-5°	31.8	23.7	16.3	9.6	4.2	1.0	0.1
-7.5°	31.6	23.5	16.2	9.5	4.2	1.0	0.1
-10°	31.3	23.3	16.0	9.4	4.1	1.0	0.1
-12.5°	30.9	23.0	15.8	9.2	4.1	1.0	0.1
-15°	30.4	22.6	15.5	9.1	4.0	0.9	0.1
-17.5°	29.8	22.2	15.2	8.9	3.9	0.9	0.1
-20°	29.1	21.6	14.8	8.6	3.8	0.9	0.1



REPORT NUMBER: P1217531 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.3	21.1	14.3	8.4	3.7	0.9	0.1
-25°	27.4	20.4	13.8	8.1	3.5	0.8	0.1
-27.5°	26.5	19.7	13.3	7.8	3.4	0.8	0.1
-30°	25.5	18.9	12.7	7.4	3.2	0.7	0.1
-32.5°	24.4	18.2	12.1	7.1	3.0	0.7	0.1
-35°	23.3	17.3	11.5	6.7	2.8	0.7	0.1
-37.5°	22.1	16.4	10.8	6.3	2.6	0.6	0.1
-40°	20.9	15.4	10.2	5.8	2.5	0.6	0.1
-42.5°	19.6	14.4	9.5	5.4	2.3	0.5	0.1
-45°	18.3	13.3	8.8	5.0	2.1	0.5	0.1
-47.5°	17.0	12.2	8.1	4.5	2.0	0.4	0.1
-50°	15.6	11.2	7.4	4.1	1.8	0.4	0.1
-52.5°	14.2	10.2	6.7	3.7	1.6	0.3	0.1
-55°	12.7	9.1	5.9	3.3	1.4	0.3	0.1
-57.5°	11.2	8.1	5.2	2.8	1.3	0.3	0.1
-60°	9.9	7.1	4.5	2.5	1.1	0.2	0.1
-62.5°	8.6	6.0	3.8	2.1	0.9	0.2	0.1
-65°	7.3	5.1	3.2	1.8	0.7	0.1	0.1
-67.5°	6.0	4.2	2.6	1.5	0.6	0.1	0.1
-70°	4.9	3.3	2.2	1.2	0.5	0.1	0.1
-72.5°	3.8	2.6	1.7	0.9	0.3	0.1	0.1
-75°	2.8	2.0	1.3	0.6	0.3	0.1	0.1
-77.5°	2.0	1.4	0.9	0.4	0.2	0.1	0.1
-80°	1.3	0.9	0.5	0.3	0.1	0.1	0.1
-82.5°	0.7	0.5	0.3	0.2	0.1	0.1	0.1
-85°	0.3	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1

(END OF REPORT)