

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: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX15S-BK-3000K-5H5V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217527 (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-3000K-5H5V
Description: 15W Tracer Floodlight , NEMA 5H5V , Black Finish
Light Source: 80 CRI,3000K
Ballast/Driver: -

Summary

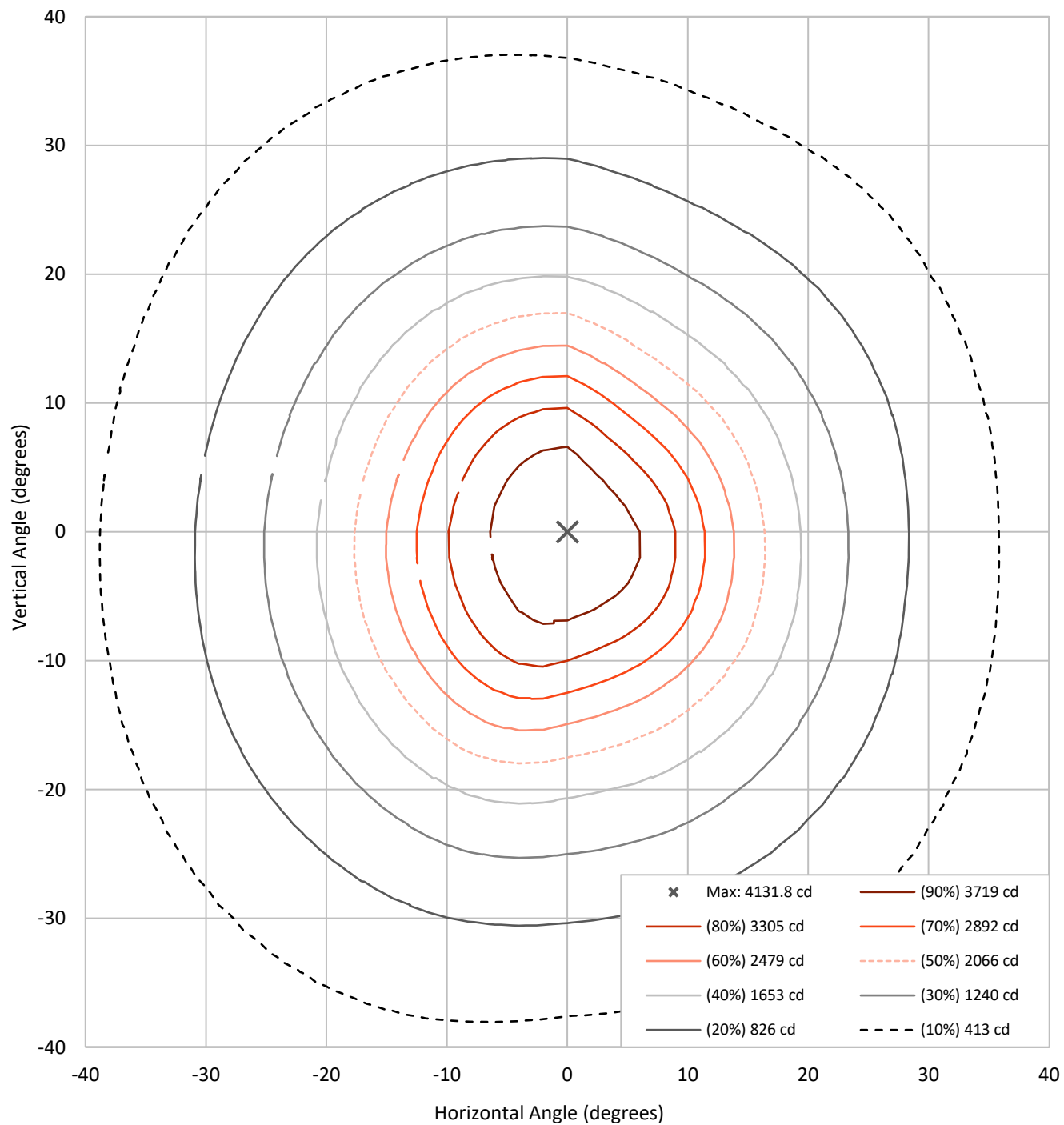
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	2328.4 lumens	Max Intensity:	4131.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.3 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	34°H x 34.4°V	Field Angle (10%):	74.6°H x 74.2°V
Beam Lumens:	817.6 lumens	Field Lumens:	1819.5 lumens
Beam Efficiency:	35.1%	Field Efficiency:	78.1%

Input Watts (W): 15.7
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



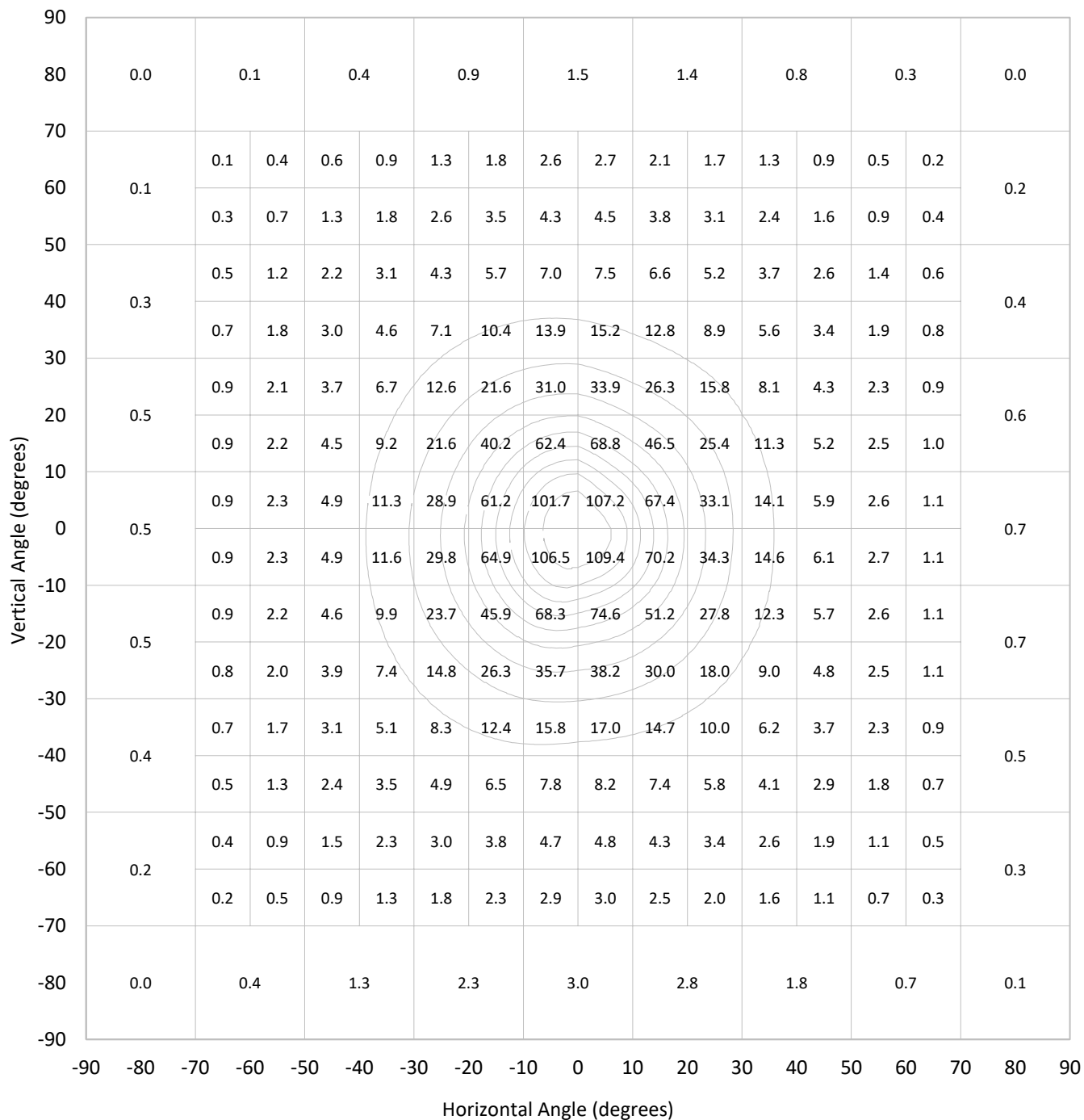
REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



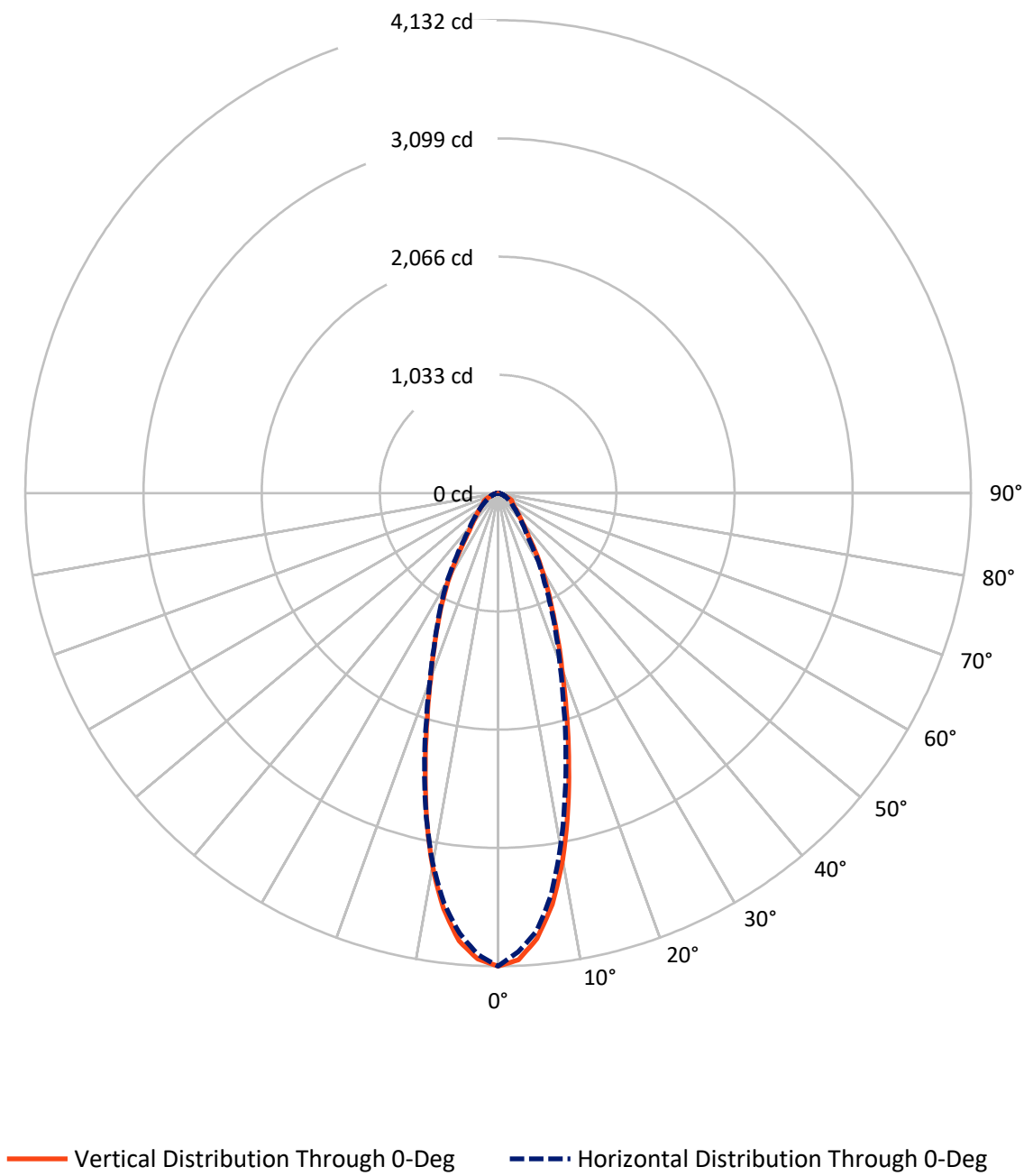
REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
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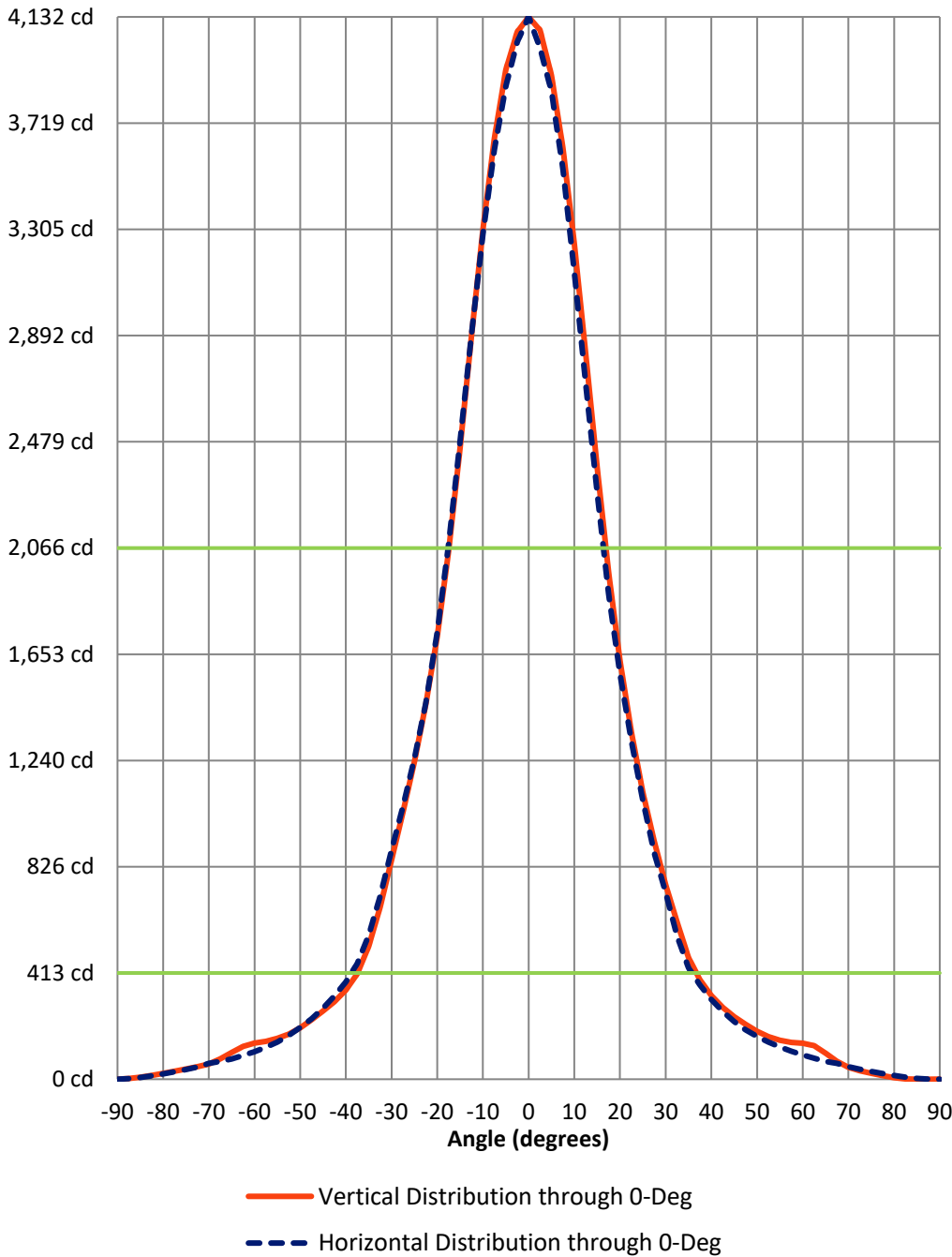
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
H Angle: 34°
V Angle: 34.4°
Lumens: 817.6
Efficiency: 35.1%

Field:
H Angle: 74.6°
V Angle: 74.2°
Lumens: 1819.5
Efficiency: 78.1%

Spill:
Lumens: 508.9
Efficiency: 21.9%

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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°	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
82.5°	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.6	0.7
80°	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.5
77.5°	0.2	0.3	0.6	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.9
75°	0.2	0.4	0.7	1.1	1.4	1.9	2.3	2.7	3.3	4.2	5.1
72.5°	0.2	0.5	0.9	1.4	2.0	2.6	3.2	4.0	5.1	6.3	7.5
70°	0.2	0.5	1.1	1.7	2.5	3.3	4.3	5.6	7.0	8.5	10.1
67.5°	0.2	0.6	1.3	2.1	3.1	4.1	5.6	7.3	9.0	10.8	13.0
65°	0.2	0.7	1.5	2.5	3.6	5.2	7.1	9.0	11.1	13.5	16.1
62.5°	0.2	0.8	1.7	2.9	4.3	6.3	8.5	10.9	13.4	16.2	19.3
60°	0.2	0.8	1.9	3.4	5.1	7.4	10.0	12.8	15.9	19.2	22.4
57.5°	0.2	0.9	2.2	3.8	6.0	8.6	11.6	14.9	18.4	21.9	25.7
55°	0.2	1.0	2.5	4.3	6.8	9.9	13.2	16.9	20.9	24.7	29.0
52.5°	0.2	1.1	2.7	4.7	7.7	11.1	14.9	19.0	23.2	27.7	32.3
50°	0.2	1.2	3.0	5.3	8.6	12.4	16.5	21.1	25.6	30.5	35.6
47.5°	0.2	1.3	3.3	5.9	9.5	13.6	18.1	23.0	28.1	33.4	39.3
45°	0.2	1.3	3.5	6.4	10.4	14.9	19.9	25.0	30.5	36.2	43.2
42.5°	0.2	1.4	3.8	7.0	11.3	16.1	21.5	26.9	32.8	39.2	47.3
40°	0.2	1.5	4.0	7.5	12.2	17.3	23.0	28.9	35.1	42.3	51.2
37.5°	0.2	1.6	4.3	8.1	13.0	18.5	24.4	30.7	37.4	45.6	55.2
35°	0.2	1.6	4.5	8.6	13.8	19.6	25.9	32.5	39.7	48.7	59.3
32.5°	0.2	1.7	4.7	9.1	14.6	20.8	27.3	34.2	42.0	51.8	63.2
30°	0.2	1.8	5.0	9.6	15.4	21.9	28.6	35.8	44.3	54.9	66.2
27.5°	0.2	1.9	5.2	10.1	16.1	22.9	29.9	37.4	46.5	57.9	68.5
25°	0.2	2.0	5.4	10.6	16.7	23.7	31.1	38.9	48.6	60.9	70.8
22.5°	0.2	2.0	5.6	11.0	17.4	24.6	32.1	40.3	50.6	63.3	72.4
20°	0.2	2.1	5.8	11.4	18.0	25.4	33.2	41.7	52.6	65.2	74.0
17.5°	0.2	2.2	6.0	11.8	18.5	26.1	34.1	42.9	54.4	66.4	75.4
15°	0.2	2.2	6.2	12.1	19.0	26.7	34.9	44.0	56.1	67.3	76.5
12.5°	0.2	2.3	6.3	12.4	19.5	27.3	35.6	45.0	57.6	68.0	77.4
10°	0.2	2.3	6.5	12.7	19.9	27.8	36.3	45.8	58.9	68.6	78.2
7.5°	0.2	2.3	6.6	12.9	20.2	28.3	36.9	46.5	59.9	69.1	78.8
5°	0.2	2.4	6.7	13.1	20.4	28.6	37.3	47.0	60.8	69.4	79.1
2.5°	0.2	2.4	6.7	13.2	20.7	28.9	37.7	47.4	61.3	69.5	79.2
0°	0.2	2.4	6.8	13.3	20.8	29.1	37.9	47.6	61.7	69.5	78.9
-2.5°	0.2	2.4	6.8	13.3	20.9	29.2	38.0	47.7	61.8	70.2	80.5
-5°	0.2	2.4	6.8	13.3	20.9	29.2	38.0	47.6	61.8	70.8	81.7
-7.5°	0.2	2.4	6.8	13.3	20.8	29.1	37.8	47.4	61.4	71.2	82.7
-10°	0.2	2.4	6.8	13.2	20.7	28.9	37.6	47.1	60.9	71.3	83.2
-12.5°	0.2	2.4	6.7	13.1	20.5	28.7	37.3	46.6	60.1	71.1	83.4
-15°	0.2	2.3	6.6	12.9	20.2	28.3	36.8	46.0	59.0	70.6	83.2
-17.5°	0.2	2.3	6.5	12.7	19.9	27.9	36.3	45.3	57.7	69.9	82.6
-20°	0.2	2.3	6.4	12.5	19.5	27.4	35.7	44.5	56.1	69.0	81.7

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CATALOG NUMBER: TRX15S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.2	2.2	6.2	12.2	19.1	26.9	35.0	43.5	54.4	67.7	80.3
-25°	0.2	2.2	6.1	11.9	18.6	26.2	34.2	42.5	52.4	66.0	78.8
-27.5°	0.2	2.1	5.9	11.5	18.1	25.5	33.3	41.4	50.4	63.9	76.6
-30°	0.2	2.0	5.7	11.1	17.6	24.7	32.3	40.2	48.6	61.3	73.8
-32.5°	0.2	2.0	5.5	10.7	16.9	23.9	31.2	38.9	46.8	58.1	70.9
-35°	0.2	1.9	5.3	10.2	16.3	23.0	30.1	37.5	45.0	54.8	67.4
-37.5°	0.2	1.8	5.1	9.7	15.6	22.0	28.9	35.9	43.2	51.4	63.7
-40°	0.2	1.7	4.9	9.3	14.9	21.0	27.6	34.3	41.3	48.5	59.5
-42.5°	0.2	1.7	4.7	8.8	14.1	19.9	26.1	32.6	39.3	46.1	55.0
-45°	0.2	1.6	4.4	8.3	13.3	18.8	24.8	30.9	37.2	43.6	50.6
-47.5°	0.2	1.5	4.2	7.7	12.5	17.6	23.2	29.1	35.1	41.2	47.4
-50°	0.2	1.4	3.9	7.2	11.6	16.5	21.7	27.2	32.8	38.7	44.4
-52.5°	0.2	1.3	3.7	6.7	10.6	15.3	20.1	25.3	30.5	36.0	41.4
-55°	0.2	1.3	3.4	6.2	9.8	14.1	18.5	23.3	28.2	33.3	38.3
-57.5°	0.2	1.2	3.1	5.7	8.9	12.8	16.9	21.3	25.9	30.5	35.1
-60°	0.2	1.1	2.8	5.2	8.0	11.5	15.3	19.3	23.4	27.8	31.9
-62.5°	0.2	1.0	2.5	4.7	7.2	10.3	13.7	17.3	21.1	24.9	28.7
-65°	0.2	0.9	2.2	4.2	6.4	9.0	12.1	15.3	18.6	22.1	25.5
-67.5°	0.2	0.8	2.0	3.7	5.6	7.8	10.5	13.3	16.3	19.3	22.3
-70°	0.2	0.7	1.7	3.1	4.9	6.8	8.9	11.4	14.0	16.6	19.1
-72.5°	0.2	0.6	1.5	2.7	4.1	5.8	7.5	9.5	11.7	13.9	16.1
-75°	0.2	0.6	1.3	2.2	3.4	4.8	6.3	7.8	9.5	11.3	13.2
-77.5°	0.2	0.5	1.0	1.8	2.7	3.8	5.0	6.3	7.6	8.9	10.4
-80°	0.2	0.4	0.8	1.4	2.1	2.9	3.8	4.8	5.9	6.9	7.9
-82.5°	0.2	0.4	0.7	1.1	1.6	2.1	2.7	3.4	4.2	5.0	5.7
-85°	0.2	0.3	0.5	0.8	1.1	1.4	1.8	2.2	2.7	3.1	3.6
-87.5°	0.2	0.3	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0
-90°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0

REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.5
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°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2
82.5°	0.7	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.2
80°	1.6	1.8	2.1	2.4	2.7	3.1	3.5	4.0	4.4	4.8	5.2
77.5°	3.5	4.1	4.8	5.5	6.3	7.0	7.7	8.3	9.0	9.7	10.3
75°	6.0	7.0	8.0	9.0	10.0	11.2	12.4	13.4	14.5	15.6	16.7
72.5°	8.8	10.0	11.5	13.1	14.6	16.2	17.8	19.3	20.8	22.4	23.9
70°	11.7	13.7	15.5	17.6	19.5	21.5	23.6	25.8	27.6	29.5	31.3
67.5°	15.2	17.5	19.8	22.2	24.8	27.3	29.7	32.1	34.7	37.3	39.7
65°	18.8	21.4	24.2	27.2	30.1	33.0	36.2	39.4	42.3	45.1	47.9
62.5°	22.3	25.5	28.8	32.1	35.7	39.6	43.2	46.7	50.4	54.2	57.8
60°	26.0	29.7	33.3	37.6	42.0	46.4	50.6	55.3	60.0	63.9	67.1
57.5°	29.7	33.8	38.5	43.6	48.6	53.8	59.5	64.8	69.3	73.1	76.7
55°	33.5	38.5	44.2	49.9	55.8	62.5	68.5	73.7	78.6	84.0	89.4
52.5°	37.5	43.6	50.0	56.6	64.1	71.0	77.0	83.7	90.9	98.4	105.0
50°	41.9	48.9	56.1	64.2	72.2	79.2	87.4	96.2	105.8	112.9	118.1
47.5°	46.7	54.3	62.9	71.5	79.7	89.3	99.5	110.4	118.6	124.5	129.7
45°	51.3	60.2	69.4	78.1	88.7	100.6	112.8	122.2	128.6	134.8	141.1
42.5°	56.1	66.0	75.2	85.8	98.3	112.8	123.9	131.0	137.6	144.9	153.0
40°	61.2	71.4	81.4	94.0	108.9	122.9	132.0	138.8	146.3	155.3	165.9
37.5°	65.8	75.8	88.2	102.7	118.5	129.9	138.4	146.4	155.5	166.8	181.4
35°	69.7	80.5	95.2	111.6	126.0	135.3	144.2	154.0	165.4	180.9	199.4
32.5°	73.0	85.1	101.5	119.4	131.3	140.5	150.1	161.9	177.5	196.9	219.0
30°	75.9	89.7	107.4	124.7	135.6	145.4	156.5	171.5	191.1	214.0	239.5
27.5°	78.9	93.9	112.2	127.6	139.4	150.2	163.6	182.5	205.5	231.8	260.7
25°	81.7	98.0	116.0	129.9	142.2	155.2	172.0	194.1	220.2	249.2	282.5
22.5°	84.5	101.5	118.5	132.0	145.2	160.4	180.9	206.0	234.8	267.3	304.1
20°	87.0	104.1	120.2	134.1	148.4	166.3	189.9	217.5	248.7	285.0	325.5
17.5°	89.2	106.2	121.6	136.2	151.9	172.7	198.6	228.5	262.8	301.6	346.1
15°	91.0	107.8	122.7	138.0	155.4	178.9	206.8	238.6	276.0	318.1	366.5
12.5°	92.4	108.7	123.8	139.8	159.0	184.6	214.1	248.0	288.0	333.0	387.0
10°	93.4	109.1	124.7	141.6	162.7	189.9	220.7	256.6	298.7	346.4	406.1
7.5°	93.8	109.2	125.3	143.1	165.8	194.4	226.3	264.1	308.3	358.2	422.5
5°	93.8	108.9	125.5	144.2	168.3	197.8	230.7	270.1	315.9	367.9	436.4
2.5°	93.4	108.2	125.2	144.7	170.0	200.2	233.6	274.3	321.2	374.8	445.9
0°	92.7	107.1	124.5	144.6	170.7	201.4	235.2	276.6	324.2	378.8	450.7
-2.5°	94.8	109.2	126.1	146.0	172.0	202.8	237.0	278.0	325.0	379.2	452.0
-5°	96.6	111.0	127.2	146.8	172.4	203.0	237.3	277.5	323.5	376.5	448.2
-7.5°	98.1	112.4	127.9	146.9	171.8	202.0	236.0	275.3	319.8	370.7	439.2
-10°	99.2	113.5	128.2	146.4	170.3	199.8	233.5	271.6	314.2	362.3	426.6
-12.5°	99.9	114.4	128.3	145.4	168.1	196.6	229.6	266.1	306.5	351.5	410.4
-15°	100.1	115.0	128.3	144.2	165.5	192.4	224.3	259.6	297.5	339.3	391.5
-17.5°	99.8	115.3	128.4	142.9	162.3	187.4	217.6	252.0	287.6	326.4	371.9
-20°	98.9	115.7	128.6	141.6	159.1	182.0	210.0	243.2	276.8	311.8	352.1

REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	97.7	115.5	128.8	140.2	155.8	176.3	201.9	232.3	263.5	295.9	332.2
-25°	95.7	114.5	129.0	139.6	152.7	170.7	192.4	219.0	249.3	279.4	312.2
-27.5°	93.2	112.7	128.7	139.4	150.1	164.3	182.7	205.7	233.8	262.4	291.5
-30°	90.1	109.8	127.5	139.5	146.7	157.6	173.3	193.1	217.3	244.2	269.8
-32.5°	86.4	105.7	125.2	138.0	143.4	151.5	164.5	181.3	201.2	224.0	247.9
-35°	82.2	100.7	120.9	133.6	140.5	146.2	156.3	170.2	185.8	204.2	225.5
-37.5°	77.2	94.9	113.1	127.6	136.8	142.2	149.2	159.2	171.8	186.7	203.8
-40°	71.9	87.9	104.3	119.7	131.4	138.4	142.9	149.0	158.8	170.9	184.6
-42.5°	66.3	80.2	95.3	110.5	123.9	133.2	136.9	140.2	146.8	156.3	167.4
-45°	61.5	72.5	86.2	100.5	114.3	124.7	129.6	132.5	136.3	142.8	151.6
-47.5°	55.8	65.5	77.3	90.2	103.5	113.2	119.7	124.0	127.1	131.3	137.3
-50°	50.5	59.4	68.6	80.3	91.8	100.7	107.7	113.0	116.8	120.7	124.8
-52.5°	46.7	53.1	61.5	70.5	80.3	88.5	95.2	100.5	104.9	109.1	112.8
-55°	43.1	48.1	54.7	62.0	69.7	77.2	83.4	88.3	92.6	96.4	99.7
-57.5°	39.6	44.1	48.7	54.8	60.7	66.9	72.9	77.4	81.2	84.4	86.8
-60°	36.0	40.1	44.2	48.3	53.2	58.2	63.0	67.9	71.5	74.1	76.1
-62.5°	32.4	36.2	39.8	43.3	46.9	50.8	54.9	58.7	62.6	65.8	67.7
-65°	28.8	32.2	35.5	38.6	41.6	44.7	47.8	51.1	54.3	57.3	60.0
-67.5°	25.2	28.2	31.1	33.8	36.5	39.1	41.7	44.4	47.0	49.6	51.9
-70°	21.7	24.3	26.9	29.2	31.5	33.7	36.0	38.2	40.4	42.7	44.7
-72.5°	18.3	20.5	22.6	24.6	26.6	28.5	30.4	32.3	34.1	35.9	37.6
-75°	15.0	16.8	18.6	20.3	21.9	23.5	25.0	26.5	28.1	29.5	30.9
-77.5°	11.8	13.4	14.7	16.1	17.4	18.7	19.9	21.2	22.3	23.4	24.6
-80°	8.9	10.0	11.1	12.1	13.1	14.1	15.1	16.0	16.9	17.8	18.6
-82.5°	6.5	7.2	7.8	8.5	9.3	9.9	10.6	11.3	11.9	12.5	13.1
-85°	4.2	4.7	5.2	5.6	6.0	6.4	6.8	7.2	7.5	7.9	8.2
-87.5°	2.3	2.5	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
-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: P1217527 (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°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.2	1.1	1.0
87.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5
80°	5.5	5.8	6.0	6.3	6.5	6.6	6.7	6.7	6.7	6.7	6.6
77.5°	10.9	11.4	12.0	12.5	13.0	13.4	13.8	14.1	14.3	14.4	14.5
75°	17.6	18.5	19.4	20.2	21.0	21.6	22.2	22.6	22.9	23.2	23.4
72.5°	25.2	26.5	27.6	28.6	29.7	30.7	31.6	32.4	32.9	33.3	33.6
70°	33.1	35.0	36.8	38.4	39.8	40.9	42.0	43.0	43.9	44.7	45.3
67.5°	41.8	43.9	45.9	47.8	49.8	51.6	53.2	54.8	56.6	58.4	60.3
65°	50.8	53.6	56.0	57.8	59.8	61.9	63.8	66.3	70.2	74.3	78.5
62.5°	60.6	63.2	65.3	67.1	69.8	72.7	75.6	79.0	85.2	91.3	97.4
60°	69.9	72.5	75.1	77.5	80.9	85.1	88.9	92.1	98.8	105.0	110.6
57.5°	80.4	84.4	88.4	91.7	95.3	99.5	103.2	106.5	112.0	117.4	122.0
55°	94.9	99.9	103.6	106.9	110.0	114.6	118.7	122.1	126.7	131.4	135.6
52.5°	109.7	113.9	118.0	122.0	125.9	130.7	135.3	139.4	144.0	149.0	153.2
50°	122.7	127.4	132.5	137.6	142.8	148.6	154.7	160.5	165.9	171.2	175.6
47.5°	135.3	141.3	147.8	154.8	162.2	169.9	177.6	184.5	190.8	197.1	202.5
45°	148.2	156.1	165.0	174.6	184.6	194.2	203.8	212.8	221.3	229.1	235.3
42.5°	162.1	173.0	185.4	198.0	210.6	223.2	236.0	248.0	258.9	268.2	275.3
40°	178.7	193.4	208.9	224.9	241.4	257.9	274.3	289.4	302.2	313.6	322.0
37.5°	198.3	216.5	235.8	256.0	276.7	297.4	317.3	336.3	353.7	369.5	381.8
35°	220.1	242.0	265.4	290.4	315.7	341.8	368.9	395.7	422.3	446.5	465.4
32.5°	243.1	269.5	297.9	327.8	361.1	396.8	434.8	475.0	511.4	545.4	573.2
30°	267.6	298.8	332.6	371.4	415.5	465.3	517.7	573.0	623.9	670.4	708.2
27.5°	293.4	329.3	372.0	422.0	480.7	549.1	621.7	690.0	750.3	806.0	855.7
25°	319.2	362.5	415.5	481.0	560.6	649.3	732.9	810.2	887.6	960.4	1024.3
22.5°	346.0	398.1	465.1	549.4	652.6	749.7	845.5	943.4	1039.8	1132.9	1213.6
20°	373.9	437.0	520.0	629.2	740.8	852.0	966.1	1084.8	1202.6	1317.3	1425.8
17.5°	402.4	478.8	583.5	704.2	829.1	956.1	1090.2	1229.5	1374.9	1525.5	1677.6
15°	431.7	521.4	645.7	780.2	915.7	1057.8	1212.0	1378.6	1561.5	1762.6	1966.9
12.5°	461.9	568.2	703.1	850.2	996.7	1154.9	1330.7	1529.6	1760.5	2015.9	2275.5
10°	490.1	612.8	759.7	913.0	1069.4	1244.8	1444.9	1678.9	1960.0	2269.3	2582.0
7.5°	514.9	649.6	807.7	968.2	1135.4	1324.4	1544.7	1819.9	2143.7	2499.6	2856.1
5°	537.2	679.7	846.8	1012.2	1188.0	1390.9	1634.0	1941.5	2300.9	2688.9	3071.3
2.5°	553.0	701.3	875.4	1043.5	1226.8	1438.7	1701.3	2032.0	2416.3	2823.8	3213.8
0°	560.6	712.0	891.3	1061.6	1247.9	1464.1	1739.6	2083.8	2482.7	2898.2	3286.8
-2.5°	563.1	715.2	893.6	1062.7	1247.5	1464.5	1741.6	2086.3	2483.1	2897.0	3278.5
-5°	557.3	707.5	882.8	1049.5	1228.3	1438.2	1705.1	2035.1	2411.1	2809.8	3182.8
-7.5°	543.7	690.0	858.1	1021.3	1190.2	1388.9	1635.5	1939.8	2285.9	2656.9	3016.3
-10°	524.2	663.0	821.5	981.2	1139.5	1321.1	1540.9	1812.7	2122.4	2454.3	2783.7
-12.5°	498.8	626.3	774.9	928.4	1075.9	1240.6	1431.7	1663.4	1932.0	2215.9	2501.2
-15°	468.9	580.2	719.3	862.8	1002.6	1150.4	1316.7	1506.3	1725.4	1963.8	2194.5
-17.5°	437.7	533.2	659.6	790.9	920.3	1052.8	1198.3	1354.7	1526.4	1709.4	1894.9
-20°	406.4	486.3	593.0	712.8	828.8	948.0	1075.2	1210.2	1346.1	1484.2	1614.4

REPORT NUMBER: P1217527 (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°	376.9	440.3	527.0	633.4	739.3	840.8	949.2	1063.7	1179.7	1290.1	1382.9
-25°	349.7	398.6	467.0	553.2	648.8	738.6	826.8	920.5	1016.1	1104.8	1182.9
-27.5°	323.9	362.7	413.5	479.7	556.8	639.1	716.0	789.0	864.4	931.8	994.3
-30°	298.3	330.7	368.9	415.8	474.5	540.3	605.4	669.8	726.7	778.4	822.8
-32.5°	272.5	300.2	330.9	365.4	406.2	452.4	501.3	552.3	596.6	638.3	668.4
-35°	247.4	270.4	295.9	323.8	353.3	383.8	417.2	451.5	481.7	510.2	529.2
-37.5°	222.8	242.4	263.1	285.6	308.8	332.5	355.6	376.7	396.3	414.5	424.5
-40°	199.8	216.1	233.2	251.0	269.7	288.5	306.8	322.9	336.7	347.4	354.2
-42.5°	179.5	192.3	205.9	220.5	235.4	250.0	264.4	277.7	289.2	298.4	304.2
-45°	161.5	171.8	182.5	194.2	205.6	217.1	228.5	238.9	248.2	256.4	262.6
-47.5°	144.8	153.1	162.1	171.4	180.4	189.5	198.1	206.2	213.6	220.1	225.4
-50°	129.8	135.9	143.5	151.1	158.4	165.8	173.0	179.5	185.3	190.5	194.7
-52.5°	116.4	121.2	127.0	132.8	138.7	145.2	151.3	156.5	161.9	166.7	170.6
-55°	102.7	107.5	112.4	117.0	121.7	127.5	132.7	137.3	142.4	147.3	151.4
-57.5°	89.2	93.8	98.0	102.1	106.6	112.1	117.0	121.4	127.2	132.6	137.2
-60°	78.3	81.5	84.8	88.0	92.3	97.3	102.0	106.4	113.4	119.8	125.7
-62.5°	69.8	71.9	74.1	76.4	79.9	83.7	87.5	91.7	97.9	104.1	110.2
-65°	62.7	64.9	66.6	68.1	70.1	72.2	75.0	78.1	82.2	86.6	91.0
-67.5°	54.5	57.1	59.4	61.2	62.8	64.2	65.5	67.0	68.7	70.7	72.7
-70°	46.8	48.8	50.6	52.4	54.2	55.8	57.3	58.3	58.8	59.2	59.5
-72.5°	39.4	41.2	42.8	44.2	45.4	46.6	47.7	48.4	48.9	49.3	49.7
-75°	32.4	33.7	35.1	36.2	37.3	38.3	39.3	39.8	40.2	40.5	40.6
-77.5°	25.7	26.7	27.8	28.7	29.5	30.3	30.9	31.3	31.6	31.9	32.0
-80°	19.5	20.3	21.0	21.6	22.2	22.7	23.2	23.4	23.5	23.6	23.7
-82.5°	13.7	14.2	14.7	15.1	15.4	15.8	16.0	16.0	16.0	16.0	15.9
-85°	8.6	8.9	9.2	9.3	9.5	9.6	9.7	9.6	9.5	9.3	9.1
-87.5°	4.5	4.7	4.8	4.8	4.8	4.8	4.8	4.6	4.5	4.3	4.0
-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: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.9	0.7	0.6	0.4	0.4	0.3	0.3	0.2	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	1.4	1.4	1.3	1.2	1.1	0.9	0.8	0.6	0.5	0.4	0.3
80°	6.5	6.4	6.2	6.0	5.5	4.9	4.4	3.8	3.3	2.9	2.4
77.5°	14.5	14.4	14.3	14.1	13.2	12.2	11.2	10.1	9.4	8.5	7.6
75°	23.5	23.5	23.4	23.1	22.1	20.9	19.7	18.4	17.4	16.3	15.2
72.5°	33.7	33.6	33.4	33.0	31.9	30.6	29.1	27.6	26.4	25.1	23.7
70°	45.8	46.2	46.3	46.3	44.7	42.9	41.0	39.0	37.3	35.4	33.5
67.5°	62.7	65.2	67.6	69.6	66.3	62.7	58.9	55.2	52.0	48.7	45.4
65°	84.0	90.1	96.0	101.4	94.8	87.6	80.3	73.6	67.9	62.3	57.1
62.5°	105.0	113.8	122.3	130.4	121.0	111.2	101.1	92.1	84.3	76.4	68.7
60°	117.3	125.2	132.7	140.0	131.4	122.5	113.3	105.0	97.5	89.5	81.0
57.5°	127.0	132.8	138.1	143.2	136.5	129.6	122.2	115.6	109.4	102.5	95.3
55°	139.6	144.1	148.1	151.6	146.3	140.6	134.3	128.7	123.0	116.5	110.2
52.5°	156.8	160.5	163.4	165.6	160.7	155.3	149.2	143.7	137.9	131.7	125.7
50°	179.1	182.5	185.0	186.5	181.0	174.8	167.8	161.6	155.1	148.1	142.0
47.5°	206.6	210.2	212.4	213.5	206.7	199.0	190.5	183.1	175.1	166.7	160.0
45°	239.7	242.6	243.7	243.2	235.6	226.6	216.7	207.8	197.9	187.9	179.6
42.5°	280.2	282.2	281.8	279.4	271.3	261.4	250.4	239.7	227.4	215.6	204.5
40°	327.7	330.2	329.2	325.4	316.4	304.9	292.2	279.1	264.3	250.4	236.2
37.5°	391.1	395.3	393.4	387.0	375.3	360.3	344.0	326.9	308.2	291.9	274.2
35°	477.5	483.6	482.0	473.6	456.6	434.1	410.9	386.9	362.5	340.2	317.2
32.5°	595.3	610.4	615.8	611.3	584.1	548.8	513.0	473.7	437.7	403.4	370.9
30°	736.8	755.7	762.0	756.5	723.0	679.4	636.3	586.0	539.4	491.0	445.6
27.5°	893.3	919.6	930.4	925.4	883.9	830.2	774.3	714.0	658.3	598.4	543.2
25°	1076.4	1109.8	1123.1	1116.3	1067.9	1005.7	936.9	865.0	793.8	722.5	655.4
22.5°	1281.0	1327.9	1352.3	1350.3	1289.5	1211.6	1123.1	1037.8	947.8	863.3	776.2
20°	1522.0	1593.0	1630.7	1628.6	1547.6	1445.8	1334.1	1229.0	1124.2	1018.4	911.7
17.5°	1812.5	1917.9	1972.4	1973.8	1855.8	1715.2	1576.5	1437.8	1309.3	1182.0	1056.5
15°	2151.1	2295.5	2375.5	2380.5	2222.3	2028.5	1844.4	1671.6	1515.5	1353.2	1201.1
12.5°	2515.8	2703.6	2810.5	2821.6	2625.7	2383.6	2153.1	1941.0	1735.1	1541.3	1347.1
10°	2871.3	3099.9	3231.4	3250.3	3031.2	2758.2	2498.7	2240.2	1977.2	1724.9	1496.8
7.5°	3182.3	3437.0	3590.7	3622.6	3391.9	3119.4	2847.8	2544.3	2223.8	1912.0	1631.9
5°	3415.5	3681.4	3853.2	3903.9	3683.1	3438.3	3162.8	2821.4	2447.7	2083.0	1751.3
2.5°	3555.3	3820.0	4005.3	4079.9	3884.9	3687.5	3404.0	3030.8	2618.0	2212.7	1841.8
0°	3614.8	3860.6	4033.4	4131.8	4010.3	3841.6	3540.9	3139.4	2704.3	2282.3	1889.0
-2.5°	3596.4	3834.9	3999.2	4072.9	4017.7	3845.0	3539.8	3140.4	2705.6	2286.7	1895.4
-5°	3497.4	3734.5	3901.9	3925.0	3827.0	3680.7	3409.1	3039.0	2627.4	2227.9	1855.5
-7.5°	3328.7	3567.3	3712.3	3658.9	3539.7	3387.1	3142.2	2821.1	2466.7	2103.0	1769.1
-10°	3078.8	3302.5	3397.2	3305.3	3180.0	3027.7	2808.7	2531.0	2234.1	1933.7	1651.3
-12.5°	2758.6	2944.3	2994.6	2891.8	2775.4	2635.9	2445.7	2223.6	1985.3	1738.3	1512.7
-15°	2398.9	2539.2	2555.2	2456.0	2359.7	2247.5	2100.6	1930.9	1738.1	1551.8	1358.1
-17.5°	2042.3	2130.9	2135.4	2056.8	1988.2	1904.2	1796.7	1664.3	1524.1	1365.9	1213.6
-20°	1724.6	1779.3	1777.7	1722.4	1677.0	1617.9	1542.7	1440.0	1324.9	1202.0	1071.3

REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: TRX15S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1459.1	1491.8	1492.5	1459.2	1428.4	1380.5	1321.3	1242.1	1149.3	1043.4	929.9
-25°	1236.1	1261.2	1259.9	1235.1	1213.1	1175.5	1125.1	1058.7	979.0	888.6	794.3
-27.5°	1034.7	1056.2	1056.8	1039.1	1019.8	986.1	942.5	884.7	816.0	742.9	669.5
-30°	850.3	866.2	866.8	853.2	836.1	805.8	767.4	719.0	666.5	610.6	553.7
-32.5°	684.1	691.4	686.3	669.9	657.0	633.5	606.0	572.2	535.7	496.2	452.9
-35°	539.2	541.2	533.8	517.5	509.5	494.2	476.9	455.7	430.8	403.4	374.6
-37.5°	429.4	428.8	422.4	410.6	405.6	396.2	385.5	373.3	357.7	339.3	320.3
-40°	357.8	357.7	353.9	346.9	342.8	336.1	327.7	318.3	306.3	292.2	276.4
-42.5°	307.6	308.0	306.0	301.7	297.6	291.6	283.9	275.0	263.7	251.3	238.4
-45°	266.7	268.2	267.7	265.5	260.9	254.7	247.0	238.1	227.6	216.6	206.6
-47.5°	229.4	231.6	232.3	231.5	227.0	221.3	214.4	206.3	197.4	187.7	179.8
-50°	198.0	199.7	200.2	199.8	196.1	191.4	185.9	179.5	172.3	164.5	157.5
-52.5°	173.4	174.8	175.5	175.5	172.0	167.9	162.9	157.4	151.2	144.1	137.9
-55°	154.6	156.7	158.2	159.1	155.3	151.1	146.3	140.7	134.5	127.8	121.7
-57.5°	140.9	143.5	145.6	147.4	143.3	138.8	134.1	128.4	122.0	115.0	107.9
-60°	130.5	134.2	137.5	140.6	135.7	130.5	125.0	118.6	111.2	103.3	95.1
-62.5°	115.5	119.9	124.0	127.6	122.8	117.6	112.1	105.6	98.2	90.7	83.4
-65°	94.9	98.4	101.4	104.1	100.7	96.8	92.7	87.9	82.5	77.1	71.9
-67.5°	74.7	76.5	78.0	79.3	77.5	75.4	73.0	70.2	67.2	64.2	61.5
-70°	59.6	59.6	59.5	59.2	58.5	57.6	56.6	55.3	53.8	52.3	50.6
-72.5°	49.7	49.5	49.2	48.8	48.2	47.4	46.6	45.6	44.6	43.4	42.1
-75°	40.6	40.4	40.2	39.8	39.2	38.6	37.8	36.9	35.9	34.9	33.8
-77.5°	32.0	31.8	31.5	31.2	30.7	30.1	29.4	28.6	27.8	26.9	26.0
-80°	23.6	23.4	23.1	22.8	22.4	21.9	21.3	20.7	20.0	19.3	18.6
-82.5°	15.7	15.4	15.1	14.8	14.4	14.0	13.6	13.1	12.6	12.1	11.6
-85°	8.9	8.6	8.2	7.9	7.7	7.4	7.1	6.8	6.6	6.3	6.0
-87.5°	3.8	3.5	3.2	2.9	2.8	2.6	2.5	2.3	2.3	2.2	2.1
-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: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-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	0.3	0.3	0.3	0.3	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2
80°	2.0	1.8	1.5	1.3	1.0	0.9	0.8	0.7	0.6	0.6	0.6
77.5°	6.9	6.4	5.9	5.3	4.7	4.4	4.0	3.5	3.1	2.8	2.5
75°	14.1	13.2	12.3	11.4	10.5	9.9	9.2	8.5	7.7	7.2	6.4
72.5°	22.3	21.2	20.0	18.8	17.7	16.7	15.7	14.5	13.4	12.4	11.3
70°	31.7	30.1	28.7	27.0	25.6	24.2	22.7	21.1	19.7	18.4	16.9
67.5°	42.6	40.3	38.1	35.8	33.9	32.1	30.2	28.3	26.6	24.7	22.8
65°	53.5	50.5	47.5	44.7	42.6	40.4	38.1	35.8	33.5	31.3	29.1
62.5°	63.9	59.7	55.8	52.4	50.5	48.4	45.7	43.2	40.9	38.4	35.5
60°	75.6	70.1	64.7	60.4	57.9	55.6	53.2	51.2	48.8	45.7	42.4
57.5°	89.7	83.6	76.9	71.7	67.7	63.9	60.4	58.8	57.0	54.2	50.4
55°	104.7	98.6	92.1	86.8	81.1	75.3	70.5	67.8	65.3	62.4	59.3
52.5°	120.2	114.1	107.6	102.2	96.4	90.1	84.2	79.7	75.4	71.6	68.2
50°	135.9	129.1	122.7	116.7	110.5	104.0	99.3	94.3	88.2	82.3	78.2
47.5°	152.8	145.2	138.5	131.7	124.3	117.4	112.2	107.3	102.2	95.9	89.9
45°	170.9	162.6	155.2	147.2	139.0	131.6	124.6	118.4	113.2	109.0	103.3
42.5°	192.9	182.2	172.6	163.8	154.7	146.0	137.8	129.8	123.3	119.0	114.9
40°	221.2	207.9	194.7	182.0	171.1	161.5	151.5	142.0	133.9	127.6	123.5
37.5°	256.2	239.2	222.1	205.6	190.8	177.2	166.0	155.1	145.2	136.8	130.7
35°	295.9	274.9	253.9	233.7	214.7	197.2	181.2	168.5	157.0	146.5	138.2
32.5°	341.8	314.5	289.1	264.5	241.5	219.8	200.3	182.8	168.9	156.8	145.5
30°	403.6	363.1	328.1	298.1	269.9	244.3	220.9	200.1	181.5	166.9	153.6
27.5°	484.1	428.9	378.2	334.7	300.5	269.7	242.5	218.2	196.1	177.0	162.2
25°	584.1	510.4	441.2	381.4	332.8	296.3	264.1	236.1	211.1	188.4	170.4
22.5°	692.6	606.9	518.2	436.3	371.3	323.5	286.3	253.8	225.7	200.8	179.1
20°	806.7	706.9	604.8	502.0	415.9	352.6	308.3	271.5	240.0	212.8	187.6
17.5°	929.7	807.0	692.9	576.1	466.6	385.0	330.1	288.6	253.5	222.9	195.5
15°	1054.5	910.2	776.8	649.7	521.4	419.6	351.6	304.8	265.7	232.1	202.9
12.5°	1173.3	1010.9	856.1	718.0	577.5	455.1	373.4	320.2	277.1	240.6	209.4
10°	1287.0	1101.5	929.9	775.5	628.0	488.1	394.4	334.1	287.1	248.1	214.9
7.5°	1389.9	1180.0	990.2	821.2	670.2	516.8	412.2	345.9	295.9	254.3	219.0
5°	1479.4	1245.7	1038.5	855.3	701.7	539.2	424.8	355.9	303.0	259.2	222.1
2.5°	1544.1	1291.9	1070.5	874.6	719.8	553.1	432.0	363.0	307.7	262.3	223.9
0°	1576.7	1314.9	1084.7	880.2	725.9	556.8	433.8	366.7	310.0	263.5	224.2
-2.5°	1580.6	1316.9	1085.1	878.6	726.1	559.8	435.7	367.2	310.7	264.0	224.7
-5°	1553.7	1293.8	1064.7	862.8	715.7	552.0	431.7	364.3	308.7	262.6	223.7
-7.5°	1496.5	1249.6	1027.9	839.1	696.4	536.9	423.0	358.2	304.0	259.2	221.1
-10°	1403.9	1184.0	973.8	806.5	666.7	516.7	412.4	349.2	297.3	254.1	217.2
-12.5°	1297.0	1098.8	909.4	765.7	626.8	489.2	396.4	337.6	288.7	247.7	212.5
-15°	1181.2	1001.7	841.8	713.6	578.0	456.0	377.2	323.8	278.4	239.8	207.0
-17.5°	1058.9	902.4	772.1	651.5	525.9	422.4	356.3	308.0	266.7	230.8	200.5
-20°	934.2	807.1	694.7	580.6	471.2	388.7	334.7	291.0	253.6	221.1	193.2

REPORT NUMBER: P1217527 (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°	815.7	712.6	612.0	509.3	420.0	357.0	312.2	273.2	239.3	210.2	185.2
-25°	704.5	615.8	527.1	442.9	374.6	328.0	289.3	255.3	224.8	198.8	176.5
-27.5°	595.6	521.6	448.1	384.4	337.5	299.7	266.3	236.8	210.7	187.2	168.5
-30°	495.5	437.2	381.8	339.2	304.3	272.7	244.4	218.9	196.0	176.3	160.2
-32.5°	409.0	367.4	332.9	302.0	273.3	247.4	223.1	201.3	181.8	166.4	151.8
-35°	345.9	319.3	293.4	268.3	244.9	223.1	203.1	184.5	169.4	156.0	144.3
-37.5°	299.8	278.6	257.6	237.6	218.6	200.8	184.2	170.1	157.4	146.1	136.9
-40°	259.4	242.7	226.0	210.5	195.0	180.5	168.3	156.8	146.3	137.2	129.8
-42.5°	224.6	211.5	198.9	186.1	174.2	163.8	153.6	144.4	136.2	129.1	122.0
-45°	196.1	185.0	175.2	166.1	156.8	148.2	140.2	133.1	126.9	120.5	112.5
-47.5°	171.7	163.3	155.5	147.9	140.7	134.1	128.0	122.7	117.2	110.1	100.5
-50°	150.6	143.8	137.3	131.8	126.5	121.4	116.7	111.7	105.2	97.1	89.2
-52.5°	132.7	127.1	121.5	117.6	113.5	109.3	104.4	98.2	91.6	85.6	79.6
-55°	117.6	112.6	107.5	103.9	100.1	95.3	89.9	85.1	80.7	76.0	70.9
-57.5°	103.8	99.2	93.8	89.6	85.9	82.1	78.6	75.1	71.4	67.4	62.7
-60°	90.8	86.3	81.4	77.7	75.1	72.5	69.5	66.4	63.0	58.9	54.7
-62.5°	79.1	75.3	71.7	68.4	66.3	63.9	61.3	58.1	54.8	51.3	47.9
-65°	68.5	65.7	63.1	60.6	58.5	56.1	53.1	50.2	47.3	44.6	41.8
-67.5°	59.3	57.0	54.6	52.3	50.0	47.6	45.4	43.1	40.8	38.4	36.1
-70°	49.0	47.5	45.8	43.9	42.2	40.4	38.4	36.5	34.4	32.5	30.5
-72.5°	40.7	39.4	38.0	36.5	34.8	33.3	31.7	30.0	28.4	26.8	25.1
-75°	32.7	31.5	30.3	29.1	27.9	26.5	25.3	24.0	22.7	21.3	20.0
-77.5°	25.0	24.1	23.2	22.1	21.2	20.3	19.3	18.2	17.2	16.2	15.1
-80°	17.9	17.2	16.5	15.7	14.9	14.2	13.5	12.7	11.9	11.1	10.3
-82.5°	11.0	10.6	10.1	9.7	9.2	8.7	8.3	7.8	7.3	6.8	6.4
-85°	5.7	5.5	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.4
-87.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.1
-90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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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	0.2	0.2	0.2	0.2	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1
80°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3
77.5°	2.1	1.8	1.7	1.5	1.2	0.9	0.8	0.7	0.6	0.5	0.4
75°	5.6	4.9	4.2	3.6	2.9	2.5	2.0	1.5	1.2	0.9	0.7
72.5°	10.2	9.1	8.0	6.9	5.9	4.8	3.9	3.1	2.3	1.7	1.3
70°	15.4	13.9	12.3	10.8	9.3	7.8	6.5	5.1	3.9	2.8	2.1
67.5°	20.9	19.1	17.2	15.2	13.2	11.2	9.3	7.6	6.0	4.4	3.1
65°	26.8	24.4	22.1	19.9	17.4	15.0	12.6	10.3	8.2	6.3	4.5
62.5°	32.7	30.2	27.4	24.5	21.8	19.0	16.1	13.3	10.6	8.3	6.0
60°	39.2	35.8	32.6	29.6	26.1	23.0	19.8	16.5	13.3	10.3	7.7
57.5°	46.4	42.3	38.1	34.4	30.9	27.0	23.4	19.7	16.1	12.5	9.4
55°	55.3	50.1	44.7	39.6	35.2	31.3	26.9	23.0	18.9	15.0	11.2
52.5°	64.5	59.2	52.7	45.9	40.0	35.2	30.8	26.0	21.8	17.3	13.1
50°	74.0	68.6	61.8	53.7	45.8	39.3	34.3	29.4	24.4	19.7	15.2
47.5°	84.1	78.4	71.1	62.3	52.9	44.4	37.9	32.6	27.0	22.0	17.1
45°	95.9	88.3	80.3	71.0	60.8	50.5	41.7	35.5	29.8	24.3	19.0
42.5°	108.6	99.4	89.2	79.5	68.8	57.4	46.5	38.5	32.5	26.4	20.8
40°	119.3	110.4	98.8	87.8	76.7	64.6	51.7	41.6	34.9	28.6	22.6
37.5°	126.3	119.8	108.7	96.0	84.4	71.3	57.3	45.3	37.3	30.8	24.3
35°	131.6	126.1	118.0	105.0	91.7	76.9	62.7	49.2	39.7	32.8	26.0
32.5°	136.8	131.0	124.8	113.6	97.0	81.8	67.6	53.4	42.2	34.6	27.5
30°	142.7	135.1	129.7	119.8	102.4	86.0	71.6	57.6	44.8	36.4	29.0
27.5°	149.0	139.4	132.6	122.7	107.0	89.6	75.0	61.5	47.5	38.1	30.5
25°	155.8	143.6	133.6	124.2	110.7	93.1	77.9	64.8	50.2	39.7	31.9
22.5°	162.3	146.8	134.9	125.1	113.1	96.3	80.4	67.5	52.8	41.2	33.1
20°	167.4	150.4	136.6	125.7	114.4	98.9	82.5	69.1	55.1	42.6	34.2
17.5°	172.4	154.2	138.6	126.4	115.1	100.8	83.7	70.2	57.2	43.9	35.2
15°	177.6	157.8	140.5	126.9	115.1	101.4	84.5	70.9	59.0	45.2	36.0
12.5°	182.3	160.7	142.2	127.3	114.7	101.4	85.1	71.3	60.3	46.2	36.8
10°	186.3	163.1	143.7	127.6	114.1	100.8	85.3	71.4	61.2	47.1	37.4
7.5°	189.3	165.0	144.8	127.7	113.3	99.7	85.0	71.2	61.6	47.8	38.0
5°	191.4	166.3	145.3	127.4	112.2	98.3	84.3	70.8	61.9	48.3	38.4
2.5°	192.3	166.8	145.2	126.7	110.8	96.6	83.2	70.1	61.8	48.7	38.7
0°	192.1	166.5	144.5	125.5	109.0	94.5	81.7	69.1	61.6	48.8	38.9
-2.5°	192.6	167.0	145.1	126.2	109.9	95.2	82.0	69.3	61.5	48.8	39.0
-5°	191.9	166.6	145.0	126.5	110.3	95.5	82.0	69.2	61.3	48.7	38.9
-7.5°	190.1	165.5	144.2	126.2	110.3	95.4	81.7	68.9	60.9	48.3	38.7
-10°	187.3	163.6	142.8	125.5	109.9	95.0	81.0	68.4	60.3	47.8	38.4
-12.5°	184.0	161.1	141.0	124.5	109.0	94.1	80.0	67.7	59.5	47.1	38.0
-15°	179.9	158.2	139.0	123.1	107.8	92.8	78.6	66.8	58.4	46.4	37.5
-17.5°	175.3	154.9	136.8	121.9	106.5	91.1	77.0	65.7	57.1	45.5	36.8
-20°	170.4	151.0	134.6	120.3	105.1	89.5	75.2	64.5	55.5	44.5	36.1



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CATALOG NUMBER: TRX15S-BK-3000K-5H5V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	165.2	147.0	132.3	118.5	103.1	87.5	73.5	63.3	53.7	43.4	35.2
-25°	158.9	143.1	130.0	116.3	100.6	85.1	71.6	62.0	51.7	42.2	34.2
-27.5°	152.1	138.8	127.4	113.5	97.4	82.2	69.4	60.2	49.6	40.9	33.2
-30°	145.6	134.3	123.6	109.7	93.5	79.0	67.1	57.9	47.6	39.5	32.1
-32.5°	139.7	129.7	118.5	104.6	89.2	75.5	64.6	55.1	45.6	38.0	30.8
-35°	134.2	124.5	112.4	98.0	84.5	71.9	61.7	52.1	43.6	36.4	29.5
-37.5°	128.7	118.4	105.1	91.3	79.1	68.0	58.4	49.1	41.6	34.7	28.1
-40°	121.9	110.5	97.0	84.7	73.7	63.7	54.7	46.4	39.5	32.9	26.6
-42.5°	113.0	101.3	89.2	78.3	68.4	59.4	51.0	43.7	37.3	31.1	25.1
-45°	102.0	91.7	81.7	72.0	63.0	54.8	47.5	41.1	35.0	29.2	23.5
-47.5°	91.3	82.9	74.4	65.8	57.7	50.5	44.2	38.4	32.8	27.2	21.9
-50°	81.9	74.7	67.3	59.5	52.6	46.5	40.9	35.7	30.4	25.2	20.3
-52.5°	73.4	66.9	60.1	53.7	47.9	42.7	37.7	32.9	28.0	23.1	18.6
-55°	65.4	59.3	53.7	48.5	43.6	39.0	34.5	30.0	25.6	21.1	16.9
-57.5°	57.5	52.6	48.0	43.6	39.5	35.4	31.3	27.2	23.1	19.1	15.1
-60°	50.6	46.7	42.9	39.2	35.5	31.8	28.1	24.3	20.8	17.0	13.3
-62.5°	44.5	41.3	38.1	34.8	31.6	28.2	24.9	21.5	18.3	14.9	11.5
-65°	38.9	36.2	33.3	30.4	27.6	24.7	21.7	18.8	15.9	12.7	9.9
-67.5°	33.6	31.2	28.8	26.2	23.8	21.2	18.6	16.0	13.3	10.7	8.2
-70°	28.5	26.3	24.3	22.1	20.0	17.8	15.5	13.2	10.9	8.8	6.7
-72.5°	23.4	21.7	19.9	18.1	16.3	14.4	12.4	10.5	8.7	7.0	5.4
-75°	18.6	17.2	15.7	14.2	12.6	11.1	9.7	8.1	6.8	5.4	4.1
-77.5°	14.0	12.8	11.6	10.5	9.4	8.2	7.1	6.0	4.9	3.9	2.9
-80°	9.6	8.8	8.0	7.3	6.5	5.7	4.9	4.1	3.3	2.6	1.9
-82.5°	5.9	5.5	5.0	4.5	4.1	3.5	3.0	2.5	2.0	1.6	1.1
-85°	3.1	2.9	2.6	2.4	2.1	1.8	1.5	1.3	1.0	0.8	0.5
-87.5°	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.3	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: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX15S-BK-3000K-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1
80°	0.2	0.1	0.1	0.1	0.1	0.1	0.1
77.5°	0.4	0.2	0.1	0.1	0.1	0.1	0.1
75°	0.6	0.4	0.2	0.1	0.1	0.1	0.1
72.5°	0.9	0.7	0.4	0.2	0.1	0.1	0.1
70°	1.5	1.0	0.6	0.3	0.1	0.1	0.1
67.5°	2.2	1.4	0.8	0.5	0.1	0.1	0.1
65°	3.0	2.0	1.2	0.6	0.2	0.1	0.1
62.5°	4.1	2.7	1.5	0.8	0.3	0.1	0.1
60°	5.3	3.4	2.0	1.0	0.4	0.1	0.1
57.5°	6.7	4.3	2.5	1.3	0.5	0.1	0.1
55°	8.1	5.2	3.1	1.5	0.6	0.1	0.1
52.5°	9.5	6.3	3.6	1.9	0.7	0.1	0.1
50°	10.9	7.4	4.3	2.2	0.8	0.1	0.1
47.5°	12.4	8.4	5.0	2.5	0.9	0.1	0.1
45°	14.0	9.5	5.7	2.9	1.1	0.1	0.1
42.5°	15.5	10.5	6.4	3.3	1.2	0.2	0.1
40°	17.0	11.6	7.1	3.6	1.4	0.2	0.1
37.5°	18.4	12.7	7.8	4.0	1.5	0.2	0.1
35°	19.7	13.7	8.5	4.4	1.7	0.2	0.1
32.5°	20.9	14.8	9.2	4.7	1.8	0.2	0.1
30°	22.2	15.8	9.9	5.1	2.0	0.3	0.1
27.5°	23.3	16.7	10.5	5.5	2.1	0.3	0.1
25°	24.4	17.5	11.1	5.9	2.3	0.3	0.1
22.5°	25.4	18.2	11.7	6.2	2.4	0.4	0.1
20°	26.3	19.0	12.2	6.5	2.6	0.4	0.1
17.5°	27.1	19.6	12.7	6.8	2.7	0.4	0.1
15°	27.8	20.2	13.2	7.1	2.8	0.4	0.1
12.5°	28.5	20.7	13.5	7.3	2.9	0.4	0.1
10°	29.0	21.1	13.9	7.5	3.0	0.5	0.1
7.5°	29.5	21.5	14.2	7.7	3.0	0.5	0.1
5°	29.9	21.7	14.4	7.8	3.1	0.5	0.1
2.5°	30.1	22.0	14.6	7.9	3.2	0.5	0.1
0°	30.3	22.1	14.7	8.0	3.2	0.5	0.1
-2.5°	30.4	22.2	14.8	8.0	3.2	0.5	0.1
-5°	30.3	22.1	14.8	8.0	3.2	0.5	0.1
-7.5°	30.2	22.1	14.7	8.0	3.2	0.5	0.1
-10°	29.9	21.9	14.6	8.0	3.2	0.5	0.1
-12.5°	29.6	21.7	14.4	7.9	3.2	0.5	0.1
-15°	29.2	21.4	14.2	7.7	3.1	0.5	0.1
-17.5°	28.7	21.0	13.9	7.6	3.0	0.5	0.1
-20°	28.0	20.5	13.6	7.4	3.0	0.4	0.1



REPORT NUMBER: P1217527 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.4	20.0	13.2	7.2	2.9	0.4	0.1
-25°	26.6	19.5	12.7	6.9	2.8	0.4	0.1
-27.5°	25.8	18.9	12.2	6.6	2.6	0.4	0.1
-30°	24.8	18.2	11.7	6.3	2.5	0.4	0.1
-32.5°	23.8	17.4	11.2	6.0	2.4	0.3	0.1
-35°	22.8	16.6	10.6	5.7	2.2	0.3	0.1
-37.5°	21.7	15.8	10.0	5.3	2.0	0.3	0.1
-40°	20.6	14.9	9.4	5.0	1.9	0.2	0.1
-42.5°	19.4	13.9	8.8	4.7	1.8	0.2	0.1
-45°	18.1	12.8	8.1	4.3	1.6	0.2	0.1
-47.5°	16.8	11.7	7.4	4.0	1.5	0.2	0.1
-50°	15.5	10.7	6.8	3.6	1.3	0.2	0.1
-52.5°	14.1	9.9	6.1	3.2	1.1	0.1	0.1
-55°	12.5	8.8	5.4	2.8	1.0	0.1	0.1
-57.5°	11.1	7.8	4.8	2.4	0.9	0.1	0.1
-60°	9.9	6.8	4.2	2.1	0.7	0.1	0.1
-62.5°	8.5	5.8	3.6	1.8	0.6	0.1	0.1
-65°	7.2	4.9	2.9	1.5	0.5	0.1	0.1
-67.5°	6.0	4.1	2.4	1.2	0.4	0.1	0.1
-70°	4.9	3.2	1.9	0.9	0.3	0.1	0.1
-72.5°	3.8	2.5	1.5	0.7	0.2	0.1	0.1
-75°	2.9	1.9	1.1	0.5	0.2	0.1	0.1
-77.5°	2.1	1.3	0.7	0.3	0.1	0.1	0.1
-80°	1.3	0.8	0.4	0.2	0.1	0.1	0.1
-82.5°	0.8	0.4	0.2	0.1	0.1	0.1	0.1
-85°	0.3	0.2	0.1	0.1	0.1	0.1	0.1
-87.5°	0.2	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)