

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: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX30S-BK-5000K-4H4V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s26060036b-01)
Test Lab: INNOVATION CENTER
Issue Date: 27-07-2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: TRX30S-BK-5000K-4H4V
Description: 30W Tracer Floodlight , NEMA 4H4V , Black Finish
Light Source: 82 CRI, 5000K
Ballast/Driver: -

Summary

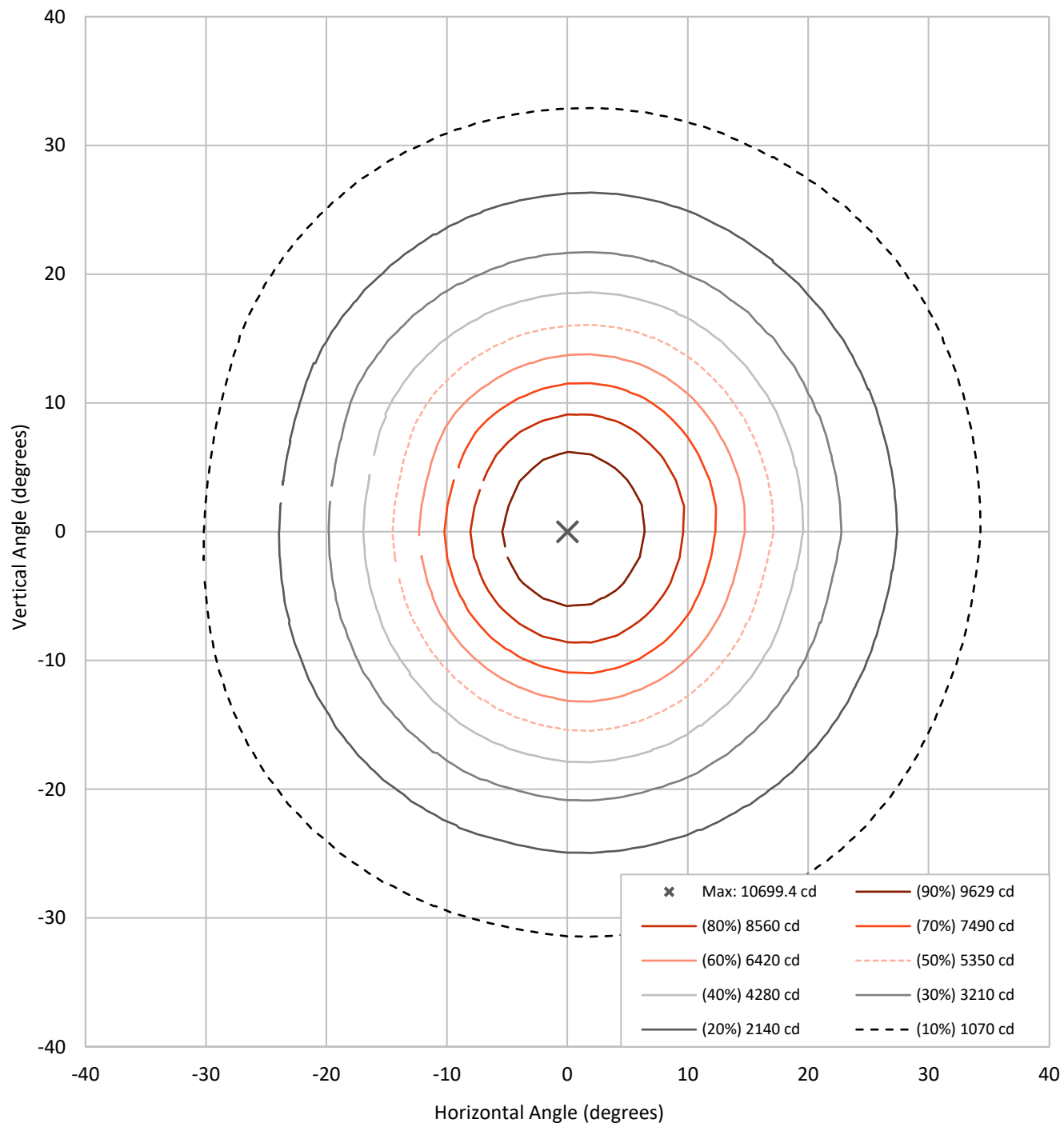
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	4699 lumens	Max Intensity:	10699.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.7 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	31.6°H x 31.4°V	Field Angle (10%):	64.5°H x 64.2°V
Beam Lumens:	1811.2 lumens	Field Lumens:	3651 lumens
Beam Efficiency:	38.5%	Field Efficiency:	77.7%

Input Watts (W): 31.6
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



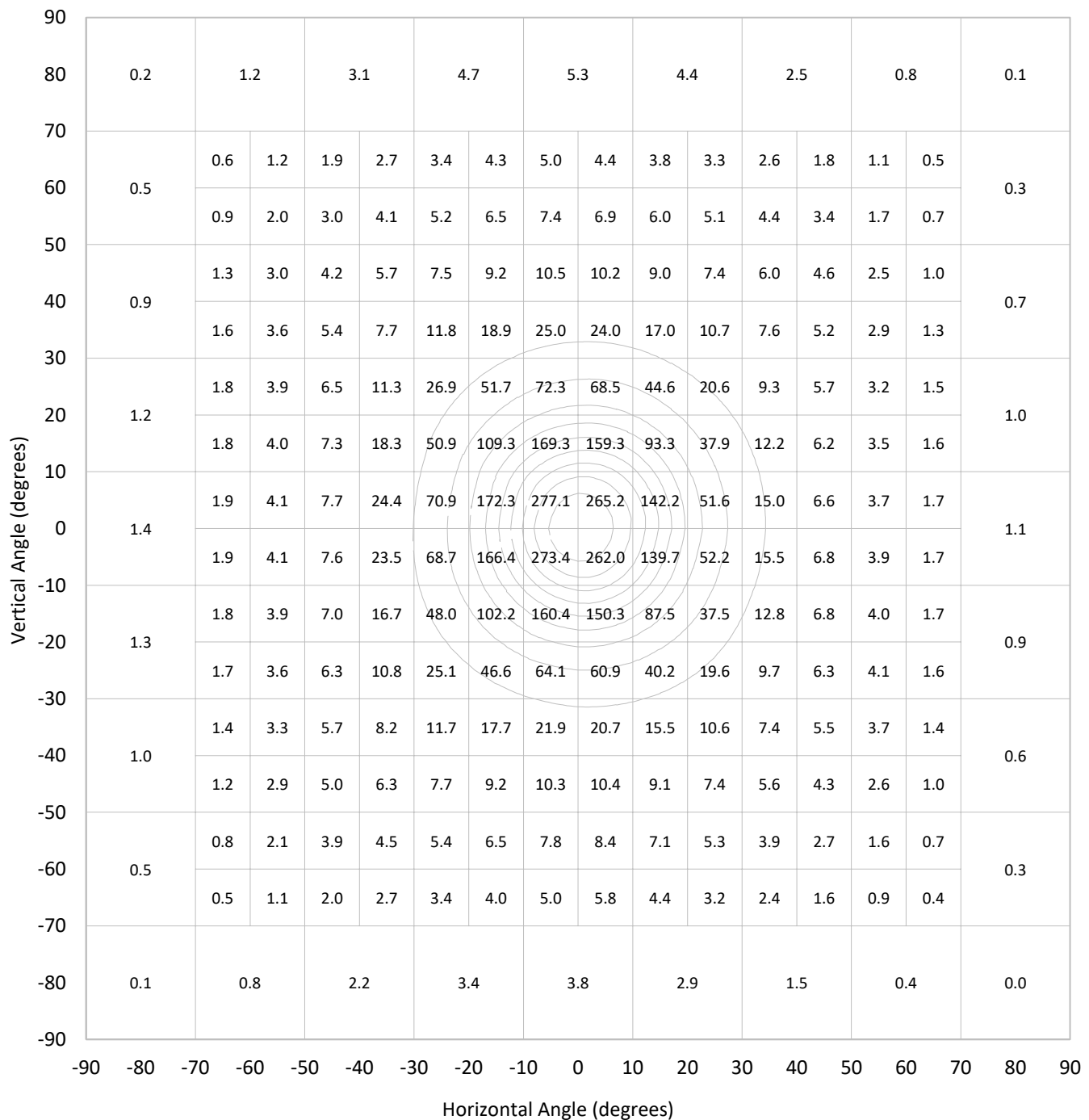
REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



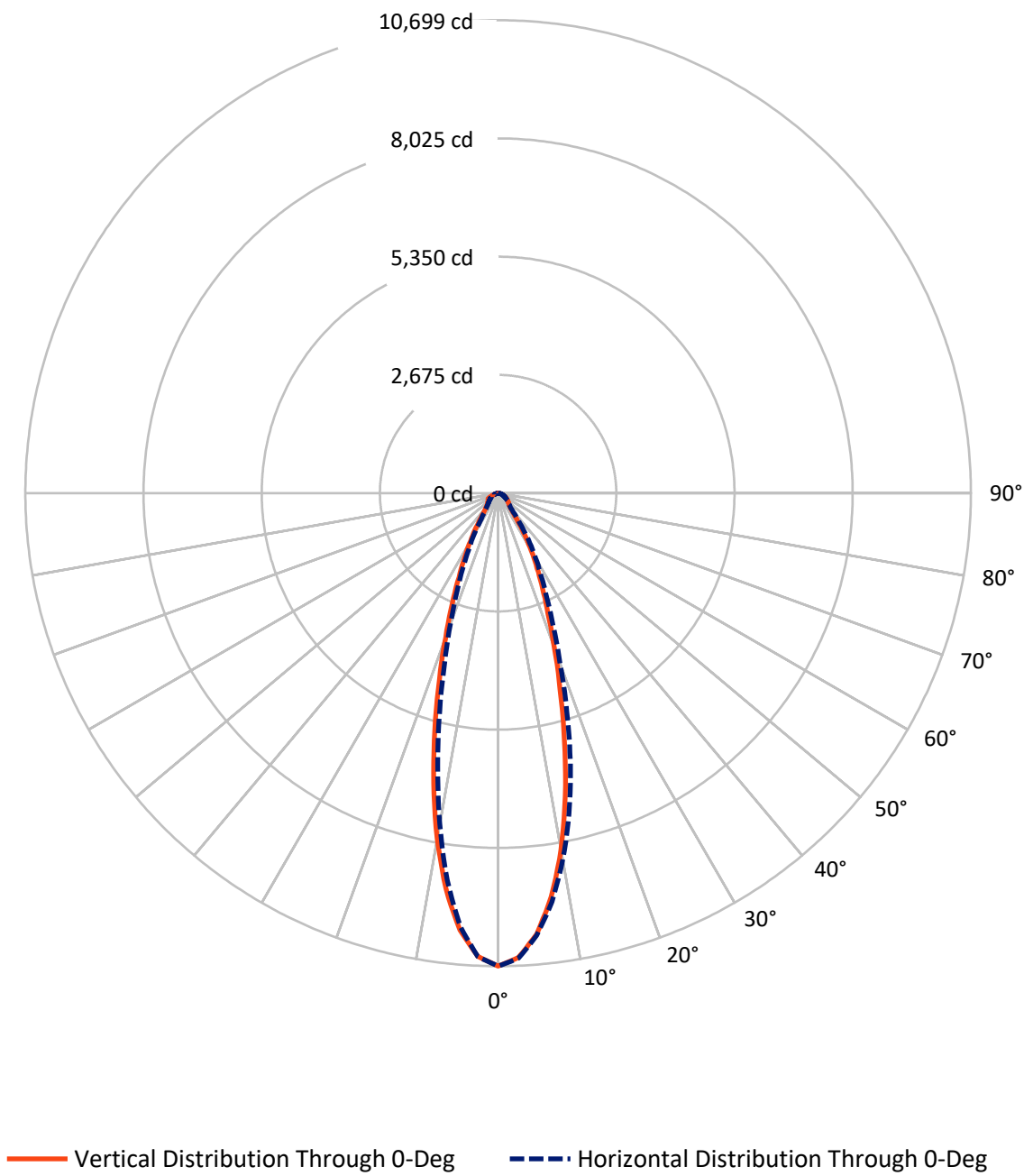
REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
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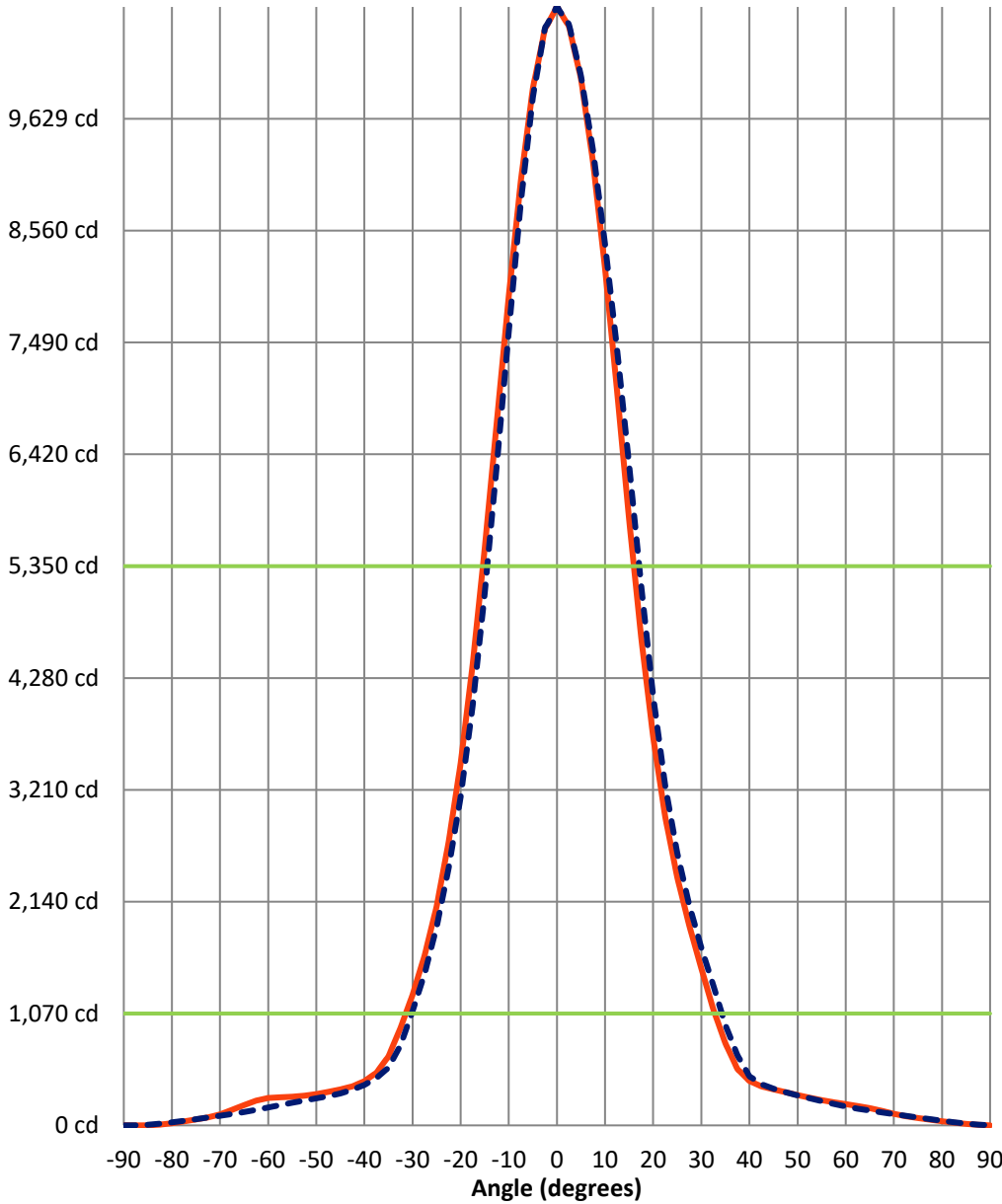
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
H Angle: 31.6°
V Angle: 31.4°
Lumens: 1811.2
Efficiency: 38.5%

Field:
H Angle: 64.5°
V Angle: 64.2°
Lumens: 3651
Efficiency: 77.7%

Spill:
Lumens: 1047.9
Efficiency: 22.3%

— 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	0.1	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	0.2	0.2	0.3	0.4	0.5	0.6
85°	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.7	1.2	1.5	1.9
82.5°	0.1	0.1	0.1	0.1	0.2	0.5	1.0	1.7	2.5	3.2	4.0
80°	0.1	0.1	0.1	0.2	0.4	1.0	1.9	3.0	4.3	5.6	6.9
77.5°	0.1	0.1	0.1	0.3	0.8	1.8	3.2	4.8	6.6	8.4	10.5
75°	0.1	0.1	0.2	0.5	1.3	2.8	4.7	6.8	9.3	12.1	15.1
72.5°	0.1	0.1	0.2	0.8	2.1	4.0	6.4	9.2	12.7	16.3	19.7
70°	0.1	0.1	0.3	1.1	2.9	5.4	8.4	12.1	16.3	20.3	24.5
67.5°	0.1	0.1	0.4	1.6	3.9	6.9	10.7	15.3	19.9	24.6	29.7
65°	0.1	0.1	0.6	2.2	4.9	8.5	13.2	18.4	23.6	29.3	35.1
62.5°	0.1	0.1	0.8	2.7	6.0	10.3	15.9	21.5	27.6	34.0	40.7
60°	0.1	0.1	0.9	3.4	7.2	12.3	18.5	24.7	31.6	38.8	46.1
57.5°	0.1	0.2	1.2	4.0	8.4	14.5	21.1	28.2	35.8	43.5	51.6
55°	0.1	0.2	1.4	4.7	9.7	16.6	23.6	31.6	40.0	48.4	57.0
52.5°	0.1	0.2	1.7	5.5	11.1	18.6	26.4	35.1	44.0	53.1	62.2
50°	0.1	0.3	2.0	6.2	12.6	20.5	29.1	38.5	48.1	57.8	67.6
47.5°	0.1	0.3	2.3	7.0	14.1	22.4	31.8	41.8	52.1	62.4	72.8
45°	0.1	0.3	2.6	7.8	15.6	24.4	34.5	45.1	56.1	66.9	78.0
42.5°	0.1	0.4	2.9	8.5	17.0	26.4	37.0	48.4	59.8	71.3	82.9
40°	0.1	0.4	3.2	9.3	18.3	28.2	39.6	51.5	63.5	75.5	87.7
37.5°	0.1	0.4	3.5	10.1	19.5	30.1	42.0	54.6	66.9	79.6	92.1
35°	0.1	0.5	3.8	10.8	20.7	31.8	44.3	57.4	70.3	83.4	96.5
32.5°	0.1	0.5	4.1	11.6	21.8	33.5	46.4	60.0	73.6	87.0	100.5
30°	0.1	0.5	4.4	12.2	22.9	35.0	48.4	62.4	76.4	90.4	104.5
27.5°	0.1	0.6	4.6	12.9	23.9	36.5	50.3	64.6	79.1	93.6	108.2
25°	0.1	0.6	4.9	13.5	24.8	37.8	52.0	66.6	81.5	96.5	111.6
22.5°	0.1	0.6	5.1	14.1	25.7	39.0	53.6	68.4	83.8	98.9	115.0
20°	0.1	0.6	5.3	14.6	26.4	40.2	54.9	70.2	85.7	101.2	117.7
17.5°	0.1	0.7	5.5	15.1	27.1	41.1	56.1	71.7	87.4	103.3	120.1
15°	0.1	0.7	5.7	15.5	27.7	42.0	57.0	72.9	88.8	105.0	122.3
12.5°	0.1	0.7	5.8	15.8	28.2	42.6	57.9	74.0	90.0	106.4	124.1
10°	0.1	0.7	5.9	16.1	28.6	43.1	58.5	74.8	91.0	107.6	125.6
7.5°	0.1	0.7	6.0	16.3	28.9	43.5	59.0	75.4	91.7	108.4	126.8
5°	0.1	0.7	6.0	16.4	29.1	43.7	59.2	75.9	92.1	109.0	127.6
2.5°	0.1	0.7	6.0	16.4	29.1	43.8	59.3	76.0	92.3	109.2	128.0
0°	0.1	0.7	6.0	16.4	29.1	43.8	59.3	76.0	92.3	109.2	128.0
-2.5°	0.1	0.7	6.0	16.3	29.0	43.5	59.0	75.7	92.1	109.5	129.3
-5°	0.1	0.7	5.9	16.1	28.7	43.2	58.6	75.2	91.7	109.6	130.1
-7.5°	0.1	0.7	5.8	15.9	28.4	42.7	58.0	74.4	91.0	109.3	130.4
-10°	0.1	0.7	5.6	15.6	27.9	42.1	57.2	73.4	90.0	108.5	130.1
-12.5°	0.1	0.7	5.5	15.2	27.4	41.4	56.3	72.1	88.6	107.2	129.3
-15°	0.1	0.6	5.3	14.7	26.7	40.5	55.2	70.7	87.0	105.5	127.8
-17.5°	0.1	0.6	5.1	14.2	25.9	39.5	53.9	69.0	85.1	103.4	125.6
-20°	0.1	0.6	4.9	13.6	25.1	38.3	52.4	67.2	83.0	100.9	122.9



REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.1	0.6	4.6	13.0	24.1	37.0	50.7	65.2	80.6	97.9	119.9
-25°	0.1	0.6	4.3	12.3	23.1	35.6	48.9	63.0	77.9	94.5	117.8
-27.5°	0.1	0.5	4.0	11.5	22.0	34.1	47.0	60.6	75.0	91.4	114.4
-30°	0.1	0.5	3.8	10.7	21.0	32.4	44.9	58.1	71.9	87.8	110.2
-32.5°	0.1	0.5	3.5	10.0	19.8	30.7	42.6	55.4	68.9	84.1	104.7
-35°	0.1	0.4	3.1	9.2	18.5	28.9	40.4	52.6	65.8	80.3	98.5
-37.5°	0.1	0.4	2.8	8.4	17.2	27.0	38.0	49.8	62.5	76.2	92.0
-40°	0.1	0.4	2.5	7.6	15.8	25.1	35.5	46.9	59.1	71.9	86.2
-42.5°	0.1	0.3	2.3	6.8	14.3	23.0	32.9	43.7	55.3	67.6	80.7
-45°	0.1	0.3	2.0	6.0	12.7	21.0	30.2	40.5	51.5	63.1	75.3
-47.5°	0.1	0.3	1.7	5.3	11.2	19.0	27.5	37.1	47.5	58.4	69.9
-50°	0.1	0.2	1.5	4.6	9.6	16.9	24.8	33.7	43.3	53.5	64.3
-52.5°	0.1	0.2	1.2	3.9	8.1	14.7	21.9	30.1	39.0	48.6	58.3
-55°	0.1	0.2	1.0	3.2	6.8	12.5	19.2	26.6	34.7	43.5	52.3
-57.5°	0.1	0.2	0.8	2.6	5.7	10.2	16.4	23.0	30.3	38.1	46.1
-60°	0.1	0.1	0.7	2.1	4.6	8.2	13.5	19.5	25.9	33.0	39.8
-62.5°	0.1	0.1	0.6	1.6	3.6	6.4	10.6	15.9	21.6	27.6	33.7
-65°	0.1	0.1	0.5	1.3	2.7	4.9	8.0	12.3	17.4	22.5	27.6
-67.5°	0.1	0.1	0.4	1.0	2.0	3.7	5.9	8.9	13.1	17.5	21.7
-70°	0.1	0.1	0.3	0.7	1.4	2.6	4.2	6.2	8.9	12.4	16.1
-72.5°	0.1	0.1	0.2	0.5	1.0	1.8	2.9	4.2	5.8	7.8	10.4
-75°	0.1	0.1	0.2	0.4	0.7	1.2	1.9	2.7	3.7	4.9	6.2
-77.5°	0.1	0.1	0.1	0.2	0.5	0.7	1.2	1.7	2.3	2.9	3.6
-80°	0.1	0.1	0.1	0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.1
-82.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.5	0.6	0.8	1.0
-85°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3
-87.5°	0.1	0.1	0.1	0.1	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	0.2	0.2	0.2	0.3	0.3



REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.6	2.8
85°	2.4	2.8	3.3	3.8	4.4	4.9	5.5	6.0	6.6	7.1	7.8
82.5°	4.9	5.9	6.8	7.9	9.0	10.1	11.1	12.2	13.3	14.4	15.6
80°	8.3	10.0	11.7	13.6	15.4	17.2	18.8	20.3	21.7	23.1	24.8
77.5°	12.9	15.4	17.8	20.1	22.4	24.8	27.1	29.2	31.3	33.2	35.3
75°	18.1	20.9	23.9	27.1	30.2	33.5	36.4	39.1	41.8	44.0	46.7
72.5°	23.2	27.0	30.9	34.9	38.8	42.8	46.4	49.7	52.7	55.4	58.6
70°	28.9	33.6	38.3	43.0	47.8	52.5	56.8	60.5	64.0	67.3	70.8
67.5°	35.0	40.4	46.1	51.6	56.9	62.3	67.4	71.7	75.7	79.6	83.2
65°	41.2	47.5	54.0	60.0	66.3	72.2	78.1	83.2	88.1	92.9	96.9
62.5°	47.5	54.6	61.7	68.7	75.5	82.3	89.6	96.9	103.7	110.2	114.4
60°	53.8	61.6	69.6	77.3	85.0	93.6	104.2	116.6	125.4	131.6	134.2
57.5°	59.9	68.6	77.2	86.1	95.5	107.9	124.0	142.0	149.3	152.7	154.2
55°	66.1	75.4	84.9	95.5	108.6	125.9	145.2	162.5	171.0	173.6	174.1
52.5°	72.1	82.1	92.8	106.4	124.3	144.1	162.1	180.2	191.8	193.6	193.4
50°	78.0	88.8	101.6	118.8	139.8	158.9	177.4	194.8	210.5	211.3	210.2
47.5°	83.6	95.5	110.6	130.2	152.2	172.2	190.6	207.4	220.8	224.7	224.4
45°	89.1	102.0	118.9	139.6	162.0	183.9	202.2	217.3	227.8	235.9	237.9
42.5°	94.3	107.9	126.1	147.2	170.2	193.8	212.1	224.6	234.4	244.1	251.2
40°	99.7	112.9	131.7	153.6	176.8	200.5	219.9	231.3	241.8	252.7	264.2
37.5°	104.8	118.2	136.4	158.8	182.1	204.8	224.5	238.0	249.5	261.5	276.0
35°	109.9	124.1	140.1	162.6	186.2	208.5	227.6	244.5	257.2	271.4	287.6
32.5°	114.7	129.9	146.8	165.8	189.6	211.8	231.5	248.8	264.8	281.3	299.2
30°	119.4	135.5	152.6	170.4	192.6	215.5	235.6	253.1	271.5	290.8	311.7
27.5°	123.7	140.8	158.3	176.5	196.8	219.4	239.3	257.5	277.3	299.6	323.6
25°	127.9	145.5	163.2	182.1	202.9	223.5	242.5	261.7	282.8	307.4	334.7
22.5°	131.5	149.6	167.5	186.8	208.2	228.4	246.2	265.3	288.2	315.3	346.1
20°	134.9	153.4	171.1	191.0	212.6	232.6	251.4	270.3	293.2	323.4	358.5
17.5°	138.1	156.5	174.1	194.5	216.0	236.5	256.6	276.5	300.9	332.3	371.5
15°	140.9	159.6	177.3	197.1	219.0	240.1	261.1	282.1	309.0	343.5	386.4
12.5°	143.2	162.4	181.4	201.8	222.0	243.5	264.9	287.1	316.3	353.4	402.0
10°	145.2	165.0	185.0	206.2	226.6	248.1	268.7	291.2	322.5	361.9	416.2
7.5°	146.8	167.3	188.2	209.8	230.5	252.1	272.5	296.3	329.1	370.2	428.1
5°	147.9	169.1	190.9	212.8	233.6	255.2	275.6	300.7	334.8	378.4	440.4
2.5°	148.6	170.5	192.9	215.2	236.0	257.5	278.0	303.8	338.9	384.3	449.0
0°	148.8	171.4	194.4	216.9	237.7	259.0	279.5	305.6	341.3	387.5	453.4
-2.5°	151.2	174.9	198.3	220.6	241.0	261.9	282.6	308.8	343.9	389.4	454.6
-5°	153.0	177.7	201.7	223.6	243.7	264.0	284.7	310.7	344.7	388.7	451.4
-7.5°	154.3	179.7	204.6	226.1	245.8	265.4	285.9	311.5	343.8	385.6	443.9
-10°	154.8	181.0	206.9	227.9	247.5	266.1	286.4	311.1	342.0	380.7	434.0
-12.5°	154.6	181.6	208.3	229.3	248.6	266.5	286.8	311.5	340.4	375.3	422.7
-15°	153.5	181.3	209.0	230.5	249.3	266.5	286.7	311.1	338.0	370.0	410.4
-17.5°	151.6	180.0	210.2	232.1	250.0	266.2	285.4	309.1	335.1	364.5	397.0
-20°	149.2	180.7	211.9	233.8	250.6	265.9	283.1	306.1	331.2	355.0	383.2

REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	148.5	180.6	212.6	236.0	251.5	265.6	280.7	299.8	321.8	344.2	369.8
-25°	146.7	179.4	212.5	237.8	252.8	265.6	276.0	290.5	310.6	332.6	356.2
-27.5°	143.8	176.9	211.1	239.6	254.8	262.1	270.0	281.4	298.6	319.8	340.0
-30°	139.6	173.0	207.7	239.7	252.3	256.9	263.7	273.4	286.8	304.0	320.8
-32.5°	134.3	167.4	202.7	233.1	246.4	250.9	256.9	265.4	275.6	286.7	300.7
-35°	126.9	160.2	195.5	218.9	237.8	244.9	249.8	256.9	263.2	271.1	281.6
-37.5°	118.1	151.5	180.0	202.9	224.3	237.5	242.3	245.5	250.1	256.8	264.5
-40°	107.9	138.9	164.1	186.2	206.8	225.6	233.0	232.8	235.9	241.6	248.3
-42.5°	97.7	123.4	148.3	169.2	188.1	207.5	218.1	219.1	220.4	224.4	232.6
-45°	89.0	108.2	131.4	152.3	169.8	185.1	196.7	202.6	203.5	206.1	215.4
-47.5°	81.5	95.2	114.6	134.9	151.9	163.8	173.1	180.8	184.2	189.7	198.1
-50°	74.6	85.5	99.5	117.0	133.8	144.6	151.9	157.6	161.9	173.2	181.5
-52.5°	67.7	77.3	87.7	100.9	115.5	127.6	134.0	137.6	143.5	156.1	165.7
-55°	60.7	69.5	78.4	88.0	99.1	110.9	119.3	122.2	128.4	138.0	148.8
-57.5°	53.8	61.6	69.6	77.8	86.0	95.0	104.3	111.0	117.7	123.9	131.3
-60°	46.9	53.9	60.9	68.1	75.4	82.4	89.4	97.9	108.4	115.0	119.3
-62.5°	39.9	46.1	52.5	58.7	65.0	71.2	77.4	84.3	93.4	103.9	112.8
-65°	33.0	38.4	43.9	49.5	55.0	60.4	65.7	71.8	78.3	85.4	94.4
-67.5°	26.1	30.8	35.5	40.4	45.1	49.8	54.5	60.0	65.3	70.5	75.9
-70°	19.7	23.3	27.4	31.4	35.4	39.5	43.5	47.9	52.6	57.2	61.4
-72.5°	13.4	16.5	19.5	22.7	26.0	29.1	32.6	36.2	39.8	43.5	46.9
-75°	7.7	9.6	12.0	14.5	17.0	19.6	22.2	24.7	27.3	30.0	32.7
-77.5°	4.4	5.1	6.1	7.4	8.8	10.2	12.1	14.2	16.2	18.1	19.9
-80°	2.4	2.8	3.2	3.6	4.2	4.7	5.4	6.1	7.0	7.9	8.8
-82.5°	1.1	1.3	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.2	2.5
-85°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	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
-90°	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9

REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	3.0	3.3	3.5	3.7	4.0	4.2	4.4	4.5	4.7	4.9	5.0
85°	8.4	8.9	9.5	10.0	10.6	11.1	11.7	12.1	12.5	12.8	13.1
82.5°	16.7	17.8	18.9	19.9	20.7	21.5	22.2	22.8	23.4	23.9	24.4
80°	26.4	28.1	29.7	31.1	32.3	33.5	34.7	35.7	36.5	37.2	37.7
77.5°	37.6	39.9	41.9	43.7	45.5	47.1	48.5	49.6	50.5	51.3	51.9
75°	49.6	52.2	54.8	57.3	59.4	61.2	63.0	64.4	65.4	66.2	66.7
72.5°	61.9	65.1	68.3	71.1	73.6	76.0	78.1	79.6	80.5	81.3	81.9
70°	74.7	78.5	81.9	85.2	88.3	91.3	94.2	96.1	96.8	97.3	97.4
67.5°	87.8	92.2	96.4	100.2	103.2	106.2	109.1	110.9	112.0	112.8	113.3
65°	102.5	107.0	111.0	113.9	118.0	121.6	124.5	126.9	128.4	129.7	130.8
62.5°	118.9	123.6	127.3	130.0	133.7	137.1	140.3	143.0	145.3	147.7	149.8
60°	136.4	140.9	143.9	146.4	149.6	153.6	156.8	159.6	163.2	166.7	169.9
57.5°	153.9	158.2	161.4	163.8	166.3	170.3	173.7	176.6	181.3	186.3	190.9
55°	173.0	175.8	179.0	181.4	183.6	188.2	192.7	196.8	202.3	208.1	213.1
52.5°	192.3	193.8	197.4	200.3	202.7	208.3	214.2	219.9	225.6	231.7	236.8
50°	210.3	211.8	215.8	220.0	224.3	230.3	237.5	244.3	250.7	257.0	262.4
47.5°	226.2	229.7	234.8	240.3	246.3	253.4	261.6	269.7	276.9	283.9	290.0
45°	241.9	247.0	252.8	260.4	268.4	276.4	286.1	295.5	304.4	312.6	319.2
42.5°	256.8	263.8	271.3	280.5	290.8	300.8	311.9	323.7	334.2	343.4	351.1
40°	272.8	281.7	291.2	302.4	314.7	327.7	340.7	354.3	368.3	382.7	395.5
37.5°	289.4	300.5	312.8	325.4	340.6	356.3	374.1	398.1	426.1	457.7	484.9
35°	305.3	320.5	334.9	350.5	368.8	394.7	434.4	484.7	537.4	592.2	648.0
32.5°	319.7	340.3	356.9	377.7	410.3	463.9	533.6	613.2	700.4	791.4	881.6
30°	333.8	356.5	380.7	416.3	478.2	566.6	673.4	795.6	925.9	1055.1	1182.1
27.5°	348.0	375.0	411.7	474.1	573.7	707.5	860.4	1023.8	1190.7	1358.8	1524.4
25°	364.1	399.1	456.7	556.6	704.8	881.0	1072.5	1272.0	1489.1	1694.6	1893.0
22.5°	381.3	430.8	517.8	664.0	857.3	1071.3	1296.5	1555.8	1810.5	2078.7	2334.4
20°	401.6	469.5	595.0	790.6	1021.0	1263.8	1549.9	1854.8	2190.7	2533.5	2869.2
17.5°	424.8	513.7	680.4	924.5	1178.1	1471.3	1814.2	2202.1	2624.8	3072.2	3522.6
15°	447.7	558.3	763.6	1039.4	1329.2	1699.8	2109.6	2580.6	3116.5	3690.0	4275.4
12.5°	473.1	602.2	843.2	1135.1	1471.3	1896.1	2408.6	2986.3	3638.5	4362.7	5092.2
10°	494.4	646.3	922.1	1217.5	1598.2	2065.5	2646.5	3353.5	4148.5	5026.2	5928.6
7.5°	508.4	679.0	984.9	1295.2	1712.7	2213.4	2821.3	3586.6	4523.5	5568.3	6638.7
5°	527.9	715.1	1032.0	1355.6	1793.5	2338.4	2996.0	3799.7	4774.4	5896.3	7072.9
2.5°	544.4	750.5	1073.7	1420.2	1867.2	2427.9	3109.3	3961.1	5009.0	6198.5	7438.6
0°	553.4	766.9	1093.4	1449.6	1898.1	2462.1	3145.8	4019.4	5093.9	6314.7	7597.3
-2.5°	558.0	775.8	1095.3	1452.5	1892.6	2435.1	3108.4	3955.5	4994.4	6188.6	7448.0
-5°	552.7	765.5	1072.8	1420.0	1840.4	2352.0	2983.7	3773.7	4733.6	5834.0	7021.4
-7.5°	539.0	737.4	1029.4	1356.0	1755.2	2220.1	2792.7	3491.8	4355.6	5325.0	6365.7
-10°	520.2	694.8	964.9	1268.2	1639.5	2052.7	2556.0	3159.0	3894.7	4716.1	5578.4
-12.5°	495.5	641.7	885.7	1160.1	1491.8	1862.2	2292.4	2803.4	3396.3	4067.0	4764.1
-15°	470.2	585.0	791.1	1040.7	1322.6	1655.9	2018.9	2442.4	2912.8	3428.2	3979.8
-17.5°	444.5	528.9	691.9	916.5	1151.8	1430.8	1742.6	2082.3	2463.7	2860.1	3271.8
-20°	421.4	482.0	598.5	779.5	985.8	1209.3	1468.4	1742.2	2039.9	2355.2	2662.6

REPORT NUMBER: P1217542 (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°	400.6	443.9	520.5	652.0	826.3	1007.9	1205.5	1428.6	1664.2	1892.7	2127.7
-25°	381.1	413.2	461.5	547.8	672.2	819.8	978.6	1148.0	1321.1	1510.0	1681.0
-27.5°	360.5	386.1	420.6	470.2	550.5	654.4	773.5	908.6	1044.0	1177.3	1300.7
-30°	338.8	360.3	386.9	420.9	466.5	531.8	611.8	703.3	802.0	907.0	1004.2
-32.5°	316.4	334.2	357.6	383.1	412.9	450.5	497.5	552.2	611.6	677.3	742.8
-35°	293.9	311.1	330.8	351.3	373.2	397.7	425.6	458.3	492.1	524.8	557.1
-37.5°	275.0	289.3	305.4	322.9	340.4	358.2	376.6	396.6	416.5	437.2	457.2
-40°	258.6	270.1	282.4	296.1	311.3	326.0	339.8	353.6	367.1	380.0	393.1
-42.5°	241.9	251.7	262.1	274.0	285.6	297.2	309.3	320.4	330.1	341.5	353.2
-45°	224.6	233.0	242.5	255.0	265.5	274.3	283.4	292.5	300.7	313.2	325.7
-47.5°	206.2	213.8	224.9	236.6	247.1	256.6	264.8	271.9	278.2	291.5	304.4
-50°	188.1	195.0	207.2	218.7	229.4	239.9	249.3	256.7	264.1	275.3	286.3
-52.5°	172.4	179.3	189.4	200.1	210.5	223.3	235.0	244.7	254.2	264.9	274.9
-55°	158.3	165.2	172.9	181.2	191.0	205.7	218.8	230.5	243.1	255.4	266.5
-57.5°	139.5	148.3	156.4	163.2	172.6	186.4	200.3	213.7	230.6	246.2	260.2
-60°	124.1	129.4	135.5	142.0	151.7	163.3	175.0	187.6	211.1	232.5	252.3
-62.5°	115.8	117.2	120.0	123.7	129.6	137.0	145.2	156.4	181.0	205.0	228.3
-65°	102.4	108.2	111.5	112.9	114.8	118.0	122.0	130.4	149.3	169.6	190.7
-67.5°	80.6	85.7	91.5	96.8	99.9	101.9	103.5	108.0	117.4	128.0	139.6
-70°	64.8	68.0	71.3	74.6	77.3	79.6	81.4	84.2	88.1	92.1	96.2
-72.5°	49.9	52.8	55.4	57.7	60.1	62.2	64.1	66.4	68.7	70.9	72.8
-75°	35.0	37.3	39.3	41.5	43.6	45.3	46.9	48.9	51.0	52.8	54.4
-77.5°	21.5	22.9	24.3	25.7	27.3	28.7	30.0	31.4	32.8	34.1	35.3
-80°	9.8	10.7	11.7	12.8	13.8	14.8	15.6	16.5	17.3	17.9	18.5
-82.5°	2.8	3.2	3.5	4.0	4.4	4.8	5.1	5.5	5.9	6.2	6.4
-85°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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
-90°	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5

REPORT NUMBER: P1217542 (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°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	5.3	5.5	5.6	5.8	6.1	6.3	6.5	6.5	6.5	6.4
85°	13.5	13.8	14.1	14.4	14.7	14.9	15.0	15.2	15.0	14.8	14.6
82.5°	24.9	25.3	25.6	25.9	26.3	26.7	26.9	27.1	26.7	26.3	25.8
80°	38.3	38.9	39.3	39.7	40.2	40.6	40.9	41.1	40.5	39.7	38.9
77.5°	52.8	53.6	54.3	54.8	55.4	55.9	56.2	56.3	55.2	54.1	52.8
75°	67.8	68.9	69.8	70.5	71.1	71.4	71.6	71.5	70.1	68.7	67.0
72.5°	83.5	85.1	86.6	87.8	88.1	88.3	88.1	87.5	85.6	83.5	81.3
70°	100.3	104.0	107.6	110.9	111.7	111.9	111.6	109.9	105.5	101.5	97.6
67.5°	118.4	125.6	132.7	139.4	142.1	144.2	145.5	143.3	134.3	125.4	117.1
65°	137.3	146.9	156.2	165.0	168.5	171.6	174.1	171.2	159.7	148.1	136.5
62.5°	156.5	166.5	176.0	185.0	188.5	191.7	194.4	190.8	179.1	166.9	154.1
60°	176.3	185.9	195.0	203.6	205.8	207.7	209.3	204.9	194.7	183.5	171.3
57.5°	196.9	205.7	213.8	221.4	222.8	223.8	224.4	219.4	210.3	200.6	190.8
55°	218.9	227.2	234.7	241.5	242.8	243.5	243.5	237.4	228.6	218.8	210.0
52.5°	242.0	250.4	258.1	264.9	266.2	266.7	266.4	258.4	248.2	237.9	229.8
50°	267.3	275.9	283.5	290.2	291.7	292.2	291.5	281.5	270.1	258.1	250.8
47.5°	295.1	303.7	311.4	317.9	319.8	320.5	319.7	308.2	295.8	282.5	274.5
45°	324.3	332.0	339.1	344.8	346.3	346.8	344.9	334.2	321.9	309.5	300.3
42.5°	357.4	364.1	369.5	373.1	373.7	373.0	369.3	359.9	348.4	337.3	327.6
40°	407.7	417.5	423.2	424.8	424.7	420.6	412.8	401.7	387.7	373.8	359.9
37.5°	508.5	527.7	538.8	540.2	543.5	534.2	517.7	495.3	467.1	444.1	415.5
35°	700.4	744.2	772.7	785.9	792.5	779.6	745.7	703.7	655.7	598.0	535.4
32.5°	968.1	1037.6	1084.7	1109.5	1115.4	1096.5	1046.6	977.1	894.0	804.6	721.7
30°	1295.5	1395.3	1463.7	1502.5	1510.1	1486.9	1412.5	1315.6	1195.7	1070.8	946.2
27.5°	1665.0	1779.9	1864.2	1911.4	1922.4	1894.0	1808.5	1688.0	1543.0	1378.0	1211.6
25°	2073.7	2223.7	2322.1	2373.6	2390.9	2352.1	2254.6	2108.6	1932.3	1729.2	1519.0
22.5°	2566.6	2754.9	2889.0	2952.0	2973.1	2913.1	2782.2	2599.7	2369.7	2121.7	1863.0
20°	3179.0	3443.2	3630.9	3715.0	3740.8	3650.8	3459.2	3192.9	2884.2	2561.3	2236.8
17.5°	3943.0	4298.2	4551.1	4671.2	4708.3	4585.2	4314.0	3948.5	3516.6	3068.4	2643.6
15°	4825.1	5290.8	5626.3	5796.3	5834.1	5665.7	5308.4	4822.3	4257.0	3660.9	3096.0
12.5°	5789.5	6382.6	6801.3	7023.9	7050.4	6844.1	6383.6	5758.1	5041.6	4295.5	3582.0
10°	6759.7	7462.4	7952.9	8196.8	8197.5	7939.7	7406.9	6673.2	5819.8	4924.7	4073.8
7.5°	7650.2	8445.1	8974.3	9213.8	9182.4	8841.9	8268.8	7471.9	6515.6	5499.9	4512.9
5°	8193.3	9160.4	9814.3	10011.1	9895.3	9502.2	8896.3	8074.4	7070.3	5970.0	4878.4
2.5°	8628.4	9610.7	10270.6	10512.9	10340.6	9920.0	9294.9	8463.3	7435.8	6277.4	5113.0
0°	8830.2	9835.6	10493.6	10699.4	10529.2	10037.4	9326.7	8427.4	7423.2	6316.7	5168.4
-2.5°	8654.9	9650.9	10287.3	10485.4	10348.6	9874.8	9191.3	8291.9	7200.2	6035.4	4920.5
-5°	8161.3	9086.0	9705.2	9920.0	9846.2	9413.4	8759.2	7885.3	6843.8	5724.0	4631.4
-7.5°	7371.0	8220.1	8798.0	9035.8	9028.0	8660.6	8050.7	7225.5	6259.2	5251.6	4274.4
-10°	6429.3	7169.3	7674.8	7936.2	7969.8	7653.4	7116.1	6368.3	5532.5	4662.5	3838.2
-12.5°	5446.5	6061.0	6474.6	6725.3	6774.8	6503.6	6049.0	5434.0	4740.8	4030.2	3360.9
-15°	4515.0	4986.8	5309.4	5521.3	5556.0	5348.8	4991.1	4513.4	3963.3	3407.1	2892.6
-17.5°	3667.3	4001.5	4248.0	4413.8	4433.9	4283.3	4016.1	3667.3	3253.5	2839.9	2459.2
-20°	2946.0	3179.3	3352.6	3466.0	3476.1	3377.1	3186.0	2930.3	2642.9	2351.8	2065.4

REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2338.1	2503.0	2632.3	2711.9	2711.3	2637.0	2504.3	2335.3	2134.3	1921.0	1700.3
-25°	1821.4	1942.1	2038.3	2094.8	2098.2	2052.5	1965.5	1846.6	1702.8	1544.3	1378.2
-27.5°	1415.3	1512.1	1584.9	1624.7	1627.2	1596.1	1536.7	1451.4	1348.6	1231.5	1109.0
-30°	1087.6	1154.0	1213.2	1248.6	1253.8	1232.4	1191.0	1129.5	1054.0	967.4	873.9
-32.5°	802.8	856.2	905.0	933.2	938.2	924.3	894.9	850.3	797.4	741.5	680.2
-35°	585.6	612.9	642.3	661.0	673.8	673.8	661.3	637.7	603.4	558.9	513.7
-37.5°	473.9	487.4	498.4	504.6	507.0	503.2	496.5	485.0	467.1	445.5	422.1
-40°	404.0	412.9	419.5	423.3	422.9	419.1	412.9	404.9	394.4	382.6	369.8
-42.5°	362.7	368.5	371.8	373.6	371.5	367.4	361.8	357.0	350.5	342.3	333.4
-45°	336.6	340.8	343.1	344.3	339.5	333.3	326.3	322.0	315.9	308.6	301.8
-47.5°	316.4	318.9	320.3	320.9	314.2	306.5	297.8	293.6	288.4	282.1	277.0
-50°	296.3	298.0	299.0	299.4	292.8	285.6	277.8	273.3	268.0	261.2	255.3
-52.5°	283.0	283.7	284.1	284.1	277.6	270.6	263.0	256.4	249.2	240.9	234.0
-55°	274.1	274.4	274.4	274.2	265.9	257.1	247.5	239.2	230.9	221.5	212.9
-57.5°	268.3	268.5	268.8	268.9	256.9	244.5	231.2	220.5	211.1	200.9	191.0
-60°	262.3	262.6	262.6	262.3	246.2	229.5	212.0	198.6	189.1	179.4	169.8
-62.5°	238.6	238.7	238.1	236.8	219.7	201.8	183.2	169.7	163.1	156.8	150.6
-65°	198.6	198.2	196.7	194.2	180.0	165.2	150.0	139.1	135.5	131.8	128.1
-67.5°	145.6	147.9	149.0	149.2	140.6	131.6	122.5	115.9	114.7	113.6	112.6
-70°	99.3	101.8	103.8	105.2	103.0	100.4	97.6	95.6	96.6	97.2	97.3
-72.5°	74.2	75.3	76.1	76.6	76.2	75.6	74.7	73.9	74.5	74.5	74.0
-75°	55.5	56.2	56.8	57.1	57.1	56.9	56.5	56.1	56.2	56.2	55.8
-77.5°	36.3	37.1	37.8	38.2	38.4	38.4	38.2	37.9	38.1	38.1	37.9
-80°	19.1	19.6	19.9	20.2	20.5	20.7	20.8	20.8	21.0	21.2	21.1
-82.5°	6.7	7.0	7.3	7.5	7.7	7.8	7.9	7.9	8.1	8.3	8.3
-85°	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.7	0.8	0.9
-87.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7

REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	5.8	5.6
85°	14.3	14.2	14.0	13.8	13.6	13.3	12.9	12.5	12.1	11.5	10.8
82.5°	25.3	24.9	24.5	24.1	23.5	22.9	22.2	21.4	20.6	19.5	18.3
80°	38.0	37.5	36.8	36.0	35.2	34.2	33.1	31.9	30.6	28.8	27.0
77.5°	51.6	50.8	50.0	49.0	47.8	46.4	44.9	43.2	41.3	38.9	36.6
75°	65.5	64.6	63.6	62.3	60.8	59.1	57.2	55.0	52.5	49.6	46.6
72.5°	79.4	78.4	77.2	75.7	73.9	71.6	69.3	66.8	63.9	60.5	56.9
70°	95.2	94.0	92.7	90.9	88.3	85.1	82.0	78.9	74.9	70.9	67.0
67.5°	112.1	109.5	106.9	104.5	102.2	99.6	96.4	92.4	87.3	82.3	77.3
65°	130.4	126.3	122.3	118.3	115.5	112.1	108.4	104.7	100.1	94.5	88.4
62.5°	148.1	143.2	138.1	133.1	129.6	125.9	121.9	117.2	111.5	105.6	99.8
60°	165.7	159.9	154.1	148.8	144.5	139.9	135.0	130.0	124.1	117.5	110.6
57.5°	184.4	177.5	170.5	164.5	159.3	154.0	148.7	142.9	136.4	129.8	122.3
55°	203.5	196.3	188.2	181.4	174.7	168.5	162.2	156.0	149.2	141.8	136.1
52.5°	223.1	215.6	207.3	199.2	190.9	183.0	176.4	170.2	162.6	154.3	150.7
50°	243.8	235.9	227.2	218.0	208.5	198.6	191.8	185.0	177.1	168.2	166.2
47.5°	266.4	258.1	249.0	238.6	227.7	217.0	209.1	200.8	192.5	185.4	182.2
45°	290.3	280.3	270.4	259.9	248.4	237.4	227.4	217.8	207.9	201.8	197.1
42.5°	316.4	305.0	292.8	280.7	268.7	257.6	246.0	235.0	225.1	217.0	210.9
40°	346.2	331.7	317.9	303.8	290.2	277.3	264.3	251.6	241.3	231.9	223.9
37.5°	390.5	367.5	347.2	328.6	313.5	298.2	283.3	269.8	257.7	246.0	236.7
35°	481.5	433.2	393.2	360.9	337.7	319.9	303.9	290.1	275.2	261.0	248.6
32.5°	643.1	553.0	478.9	416.3	371.4	342.5	326.1	311.3	294.5	277.3	260.5
30°	826.5	726.2	612.5	506.8	428.9	375.9	347.7	331.5	314.8	294.0	274.1
27.5°	1051.1	906.0	767.8	640.2	514.2	426.0	374.4	349.8	332.5	311.3	288.5
25°	1308.5	1118.8	949.6	783.0	636.2	496.3	412.1	368.6	348.1	328.1	303.3
22.5°	1605.0	1358.7	1142.7	948.9	762.7	598.4	462.7	392.7	361.9	342.4	318.1
20°	1923.4	1625.0	1356.4	1124.0	904.7	709.8	524.0	422.1	376.6	355.1	328.2
17.5°	2254.7	1901.5	1584.9	1305.4	1051.2	809.1	608.9	457.6	392.0	360.8	333.2
15°	2599.9	2178.1	1807.8	1485.6	1198.5	923.6	687.3	495.3	406.2	365.4	336.4
12.5°	2961.9	2442.9	2014.0	1654.9	1341.0	1034.1	757.1	541.7	421.6	370.8	338.8
10°	3313.4	2694.2	2205.4	1803.3	1461.3	1137.6	826.1	590.0	436.7	376.3	340.7
7.5°	3635.8	2919.5	2367.1	1926.1	1562.8	1225.6	887.7	627.9	451.2	383.1	345.3
5°	3892.3	3100.1	2491.3	2023.1	1638.0	1288.3	932.6	655.1	463.7	389.0	348.6
2.5°	4059.4	3213.7	2574.1	2083.3	1682.2	1325.1	957.6	670.1	470.1	392.6	350.6
0°	4106.3	3249.8	2605.6	2107.3	1699.5	1338.1	961.3	672.2	470.2	393.7	351.1
-2.5°	3922.3	3132.2	2534.4	2055.8	1656.8	1299.5	933.2	657.2	465.2	391.7	349.9
-5°	3696.2	2965.7	2420.3	1969.7	1586.5	1237.3	885.8	629.1	455.3	387.3	347.2
-7.5°	3430.3	2789.5	2285.0	1857.3	1491.0	1154.1	823.0	588.0	441.6	380.9	343.1
-10°	3124.8	2565.8	2116.0	1716.9	1373.8	1052.2	755.3	538.1	425.5	373.0	337.7
-12.5°	2793.5	2324.9	1924.7	1558.3	1240.5	937.6	683.2	495.0	408.8	363.9	331.1
-15°	2449.0	2068.2	1716.1	1392.5	1104.4	822.7	602.2	458.5	392.0	354.2	323.6
-17.5°	2116.8	1796.2	1492.5	1220.0	962.2	720.4	532.0	428.5	376.3	344.1	315.1
-20°	1790.9	1525.6	1274.4	1046.7	818.7	624.6	478.5	404.7	364.5	334.2	306.3

REPORT NUMBER: P1217542 (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°	1482.1	1271.6	1075.1	878.0	689.3	532.4	435.9	386.1	355.1	326.8	298.3
-25°	1211.5	1051.1	888.1	722.1	572.4	463.0	404.3	371.9	345.9	319.0	291.6
-27.5°	981.8	850.9	715.9	586.5	480.2	416.5	382.1	359.6	336.7	310.1	283.6
-30°	774.6	676.6	563.0	477.8	421.3	387.6	365.6	346.1	325.2	299.6	275.7
-32.5°	599.1	519.3	459.1	412.8	384.5	367.9	350.4	331.2	309.4	287.9	268.0
-35°	470.1	429.6	396.2	373.3	357.7	346.3	333.8	313.4	292.8	275.6	261.5
-37.5°	398.6	377.7	359.0	342.6	331.7	322.0	311.2	294.6	278.5	264.8	254.0
-40°	356.8	343.0	328.9	314.3	304.7	296.4	287.1	278.9	266.2	255.7	246.8
-42.5°	323.5	312.1	300.9	289.6	278.9	272.9	267.1	262.4	255.8	247.2	241.0
-45°	294.0	285.6	277.2	267.9	258.3	253.5	250.5	247.9	245.9	240.0	236.1
-47.5°	271.1	263.7	255.7	248.0	241.4	236.9	235.2	233.8	234.3	234.4	230.0
-50°	248.9	241.6	234.7	229.7	225.0	220.4	219.2	219.7	223.1	228.1	219.9
-52.5°	228.1	221.4	214.9	211.1	207.0	202.8	201.3	204.1	208.1	212.2	205.3
-55°	207.2	200.9	194.1	190.7	187.5	183.6	179.6	183.3	187.2	190.9	189.4
-57.5°	185.8	180.4	174.7	171.3	168.1	162.8	155.5	159.1	164.4	168.5	168.4
-60°	166.0	162.0	157.5	152.8	147.9	141.4	135.1	137.2	142.7	143.9	139.3
-62.5°	146.2	141.7	136.8	132.1	128.2	124.3	120.2	118.7	120.5	117.1	109.0
-65°	125.3	122.7	120.2	118.0	115.1	111.5	106.5	100.6	98.3	93.7	88.0
-67.5°	111.8	110.8	109.5	107.6	102.8	96.5	90.2	84.6	81.2	77.6	73.9
-70°	95.9	93.0	89.4	85.6	81.5	77.6	74.0	70.5	67.6	64.7	61.6
-72.5°	72.8	71.2	69.5	67.6	65.3	62.7	59.9	57.1	54.3	51.8	49.1
-75°	55.1	54.0	52.7	51.4	49.7	47.6	45.5	43.2	41.1	39.1	37.1
-77.5°	37.5	36.9	36.2	35.3	34.3	32.8	31.4	29.9	28.4	27.1	25.6
-80°	21.0	20.8	20.5	20.1	19.5	18.8	18.0	17.1	16.2	15.5	14.6
-82.5°	8.2	8.3	8.2	8.1	7.9	7.8	7.5	7.2	7.0	6.9	6.7
-85°	0.9	1.2	1.3	1.5	1.7	2.0	2.2	2.3	2.4	2.5	2.5
-87.5°	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8

REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
87.5°	5.4	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.4	3.2	2.9
85°	10.2	9.6	9.0	8.5	8.0	7.5	7.0	6.4	5.9	5.3	4.8
82.5°	17.1	15.9	14.9	13.9	12.8	11.8	10.7	9.7	8.6	7.6	6.7
80°	25.2	23.4	21.8	20.3	18.6	17.0	15.4	13.8	12.2	10.5	9.0
77.5°	34.1	31.7	29.6	27.4	25.2	22.9	20.7	18.4	16.2	14.0	11.8
75°	43.5	40.5	37.8	35.1	32.2	29.3	26.5	23.5	20.6	17.7	14.8
72.5°	53.1	49.8	46.5	43.0	39.6	36.1	32.5	29.0	25.4	21.7	18.1
70°	62.9	59.1	55.2	51.3	47.3	43.0	38.9	34.7	30.3	26.0	21.5
67.5°	72.1	68.4	64.3	59.8	54.9	50.3	45.4	40.6	35.5	30.3	25.1
65°	82.7	78.1	73.0	68.3	63.0	57.6	52.2	46.5	40.9	34.8	28.8
62.5°	94.3	89.5	83.5	76.9	71.0	65.1	58.9	52.7	46.2	39.3	32.5
60°	106.6	102.4	95.8	87.9	79.3	72.5	65.7	58.8	51.6	43.7	36.3
57.5°	120.0	116.0	109.7	100.8	89.5	79.7	72.5	64.9	56.9	48.2	40.0
55°	134.3	130.7	124.4	115.1	101.0	88.4	78.6	71.0	61.9	52.7	43.7
52.5°	148.8	145.2	139.6	129.5	114.1	98.2	85.6	76.3	66.9	56.9	47.3
50°	163.8	159.9	154.1	144.5	128.6	109.9	93.4	81.6	71.6	61.0	50.9
47.5°	179.0	174.8	168.5	159.0	144.3	123.6	102.7	87.2	75.6	65.0	54.3
45°	193.8	189.6	181.9	173.1	159.8	138.9	114.1	93.3	79.9	68.8	57.5
42.5°	206.8	202.5	194.0	185.4	174.4	154.8	126.0	100.2	84.3	72.3	60.6
40°	218.3	211.6	203.8	196.2	187.1	170.2	136.7	107.5	88.8	75.5	63.5
37.5°	227.8	219.0	211.7	204.7	197.1	179.6	145.6	114.7	93.3	78.7	66.2
35°	237.0	226.5	218.0	211.4	205.5	183.1	151.9	120.8	97.7	81.9	68.8
32.5°	246.6	234.3	224.0	216.8	205.0	184.1	156.1	125.6	101.7	85.0	71.3
30°	256.4	242.4	230.4	219.0	204.0	183.9	158.3	129.0	105.1	87.8	73.9
27.5°	267.6	251.0	235.5	219.5	203.6	183.4	158.8	130.8	107.4	90.6	76.4
25°	279.8	258.1	237.9	220.6	203.6	182.8	158.2	131.2	108.9	93.4	78.8
22.5°	290.0	262.1	240.6	222.0	203.8	182.2	156.8	130.7	111.9	96.1	81.0
20°	295.7	266.4	242.8	223.0	204.3	181.8	155.2	133.6	114.6	98.5	83.0
17.5°	300.3	269.9	244.5	223.7	204.6	182.0	157.6	136.5	117.1	100.6	84.9
15°	303.9	272.4	245.9	224.2	205.2	183.8	159.8	138.8	119.2	102.4	86.5
12.5°	306.2	274.1	247.7	226.3	206.3	184.8	161.4	140.7	121.0	104.0	87.9
10°	309.2	278.3	251.6	228.4	207.2	185.1	162.2	142.0	122.3	105.3	89.0
7.5°	313.2	282.1	254.9	230.2	207.5	185.0	162.4	142.7	123.4	106.4	90.0
5°	316.0	284.8	257.4	231.5	207.5	184.2	162.0	143.0	124.0	107.2	90.7
2.5°	317.4	286.3	259.0	232.2	207.0	183.0	161.0	142.8	124.3	107.7	91.2
0°	317.5	286.8	259.8	232.2	205.8	181.1	159.6	142.3	124.3	107.9	91.5
-2.5°	316.5	286.3	259.2	231.7	205.8	181.5	159.9	142.4	124.3	107.9	91.5
-5°	314.3	284.7	257.7	230.4	205.1	181.3	159.7	142.1	124.0	107.5	91.2
-7.5°	310.8	282.2	255.3	228.3	203.7	180.6	159.1	141.4	123.4	107.0	90.7
-10°	306.3	278.9	251.9	225.5	201.9	179.2	158.0	140.4	122.5	106.1	90.0
-12.5°	301.2	274.7	247.6	222.2	199.7	177.4	156.5	139.0	121.3	105.0	89.1
-15°	295.4	269.5	243.4	218.7	196.9	175.0	154.5	137.1	119.8	103.7	87.9
-17.5°	288.7	264.0	239.4	216.4	194.6	172.1	152.2	134.9	118.0	102.1	86.6
-20°	281.3	258.2	235.5	213.8	192.4	169.5	149.6	132.3	115.9	100.3	85.0

REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	273.5	252.3	231.4	210.9	189.2	166.3	146.7	129.4	113.5	98.2	83.2
-25°	267.3	246.6	227.2	207.6	185.3	162.4	143.2	126.0	110.9	96.0	81.1
-27.5°	261.6	242.2	223.1	203.2	180.4	157.6	139.1	122.4	107.5	93.4	78.9
-30°	255.9	238.0	219.5	197.7	174.2	152.3	134.4	118.3	103.8	90.5	76.6
-32.5°	250.9	234.4	216.8	192.8	167.3	146.6	129.2	113.8	99.8	87.0	74.4
-35°	246.4	231.6	214.2	189.1	159.3	140.1	123.7	109.0	95.6	83.1	71.6
-37.5°	243.3	230.4	211.6	185.0	156.2	133.4	117.8	103.8	91.0	79.0	68.0
-40°	241.2	229.6	207.8	179.8	152.6	127.5	111.5	98.3	86.2	74.9	64.2
-42.5°	237.0	227.5	202.2	174.6	148.0	123.4	104.7	92.5	81.1	71.0	60.4
-45°	230.7	219.1	195.4	168.4	141.8	117.8	98.4	86.5	75.9	66.5	56.5
-47.5°	220.6	206.0	187.4	159.9	133.7	110.7	92.5	80.1	70.8	61.8	52.7
-50°	206.9	192.2	174.8	149.0	123.4	102.0	85.7	73.9	65.6	57.1	48.8
-52.5°	192.1	176.2	157.7	135.1	111.3	92.4	78.4	68.1	60.2	52.5	44.8
-55°	174.5	156.7	137.8	118.9	98.1	82.5	71.6	62.5	54.8	47.9	40.8
-57.5°	151.8	133.6	115.8	100.6	85.1	73.7	65.0	56.6	49.5	43.1	36.8
-60°	124.5	108.9	96.1	84.6	74.3	66.1	58.2	50.9	44.0	38.3	32.8
-62.5°	99.1	89.6	80.7	72.9	65.7	58.3	51.5	45.0	38.6	33.7	28.8
-65°	82.3	75.8	69.6	63.3	56.9	50.6	44.8	39.0	33.5	29.1	24.9
-67.5°	70.0	64.8	59.2	53.7	48.3	43.1	38.0	33.2	28.5	24.6	21.0
-70°	58.1	53.8	49.0	44.5	40.0	35.7	31.5	27.4	23.6	20.2	17.3
-72.5°	46.3	43.0	39.2	35.5	32.0	28.5	25.0	21.9	18.7	16.0	13.8
-75°	35.0	32.5	29.6	26.8	24.1	21.6	18.9	16.3	14.1	12.1	10.5
-77.5°	24.1	22.3	20.4	18.4	16.5	14.7	12.9	11.3	9.8	8.5	7.8
-80°	13.7	12.7	11.6	10.7	9.7	8.7	8.1	7.3	6.5	5.9	5.5
-82.5°	6.5	6.3	6.1	5.8	5.5	5.2	4.8	4.4	4.0	3.5	3.5
-85°	2.6	2.6	2.6	2.5	2.3	2.1	2.1	2.0	1.9	1.7	1.9
-87.5°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.9
-90°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5

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CATALOG NUMBER: TRX30S-BK-5000K-4H4V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.4	0.5	0.6	0.7	0.9	1.0	1.1
87.5°	2.6	2.2	2.0	1.8	1.5	1.3	1.1
85°	4.2	3.6	3.0	2.4	1.9	1.5	1.1
82.5°	5.8	4.9	4.1	3.2	2.4	1.7	1.1
80°	7.4	6.2	5.1	4.1	2.9	1.8	1.1
77.5°	9.7	7.7	6.2	4.9	3.5	2.1	1.1
75°	12.1	9.6	7.3	5.6	4.0	2.3	1.1
72.5°	14.6	11.6	8.7	6.4	4.6	2.6	1.1
70°	17.4	13.6	10.2	7.2	5.0	2.9	1.1
67.5°	20.2	15.7	11.8	8.2	5.5	3.1	1.1
65°	23.1	17.9	13.3	9.3	6.0	3.4	1.1
62.5°	26.2	20.2	15.0	10.4	6.5	3.6	1.1
60°	29.1	22.5	16.7	11.5	7.0	3.9	1.1
57.5°	32.2	24.9	18.4	12.6	7.6	4.1	1.1
55°	35.2	27.2	20.1	13.7	8.2	4.3	1.1
52.5°	38.2	29.5	21.8	14.8	8.9	4.6	1.1
50°	41.1	31.9	23.6	16.0	9.5	4.8	1.1
47.5°	43.9	34.2	25.3	17.1	10.1	5.0	1.1
45°	46.6	36.5	27.0	18.2	10.7	5.2	1.1
42.5°	49.2	38.7	28.6	19.3	11.3	5.3	1.1
40°	51.7	40.8	30.2	20.4	11.9	5.5	1.1
37.5°	54.3	42.9	31.7	21.4	12.4	5.7	1.1
35°	56.8	44.9	33.2	22.4	12.9	5.8	1.1
32.5°	59.1	46.7	34.6	23.3	13.4	6.0	1.1
30°	61.2	48.4	35.9	24.2	13.9	6.1	1.1
27.5°	63.3	50.1	37.1	25.0	14.3	6.3	1.1
25°	65.2	51.6	38.3	25.8	14.7	6.4	1.1
22.5°	66.9	53.0	39.4	26.5	15.1	6.5	1.1
20°	68.5	54.4	40.3	27.2	15.5	6.6	1.1
17.5°	69.8	55.6	41.2	27.8	15.9	6.7	1.1
15°	71.1	56.7	42.0	28.3	16.2	6.8	1.1
12.5°	72.1	57.6	42.7	28.8	16.4	6.8	1.1
10°	73.0	58.4	43.3	29.2	16.6	6.9	1.1
7.5°	73.8	59.0	43.8	29.5	16.8	6.9	1.1
5°	74.3	59.5	44.2	29.7	16.9	7.0	1.1
2.5°	74.7	59.8	44.4	29.8	17.0	7.0	1.1
0°	74.9	60.0	44.5	29.9	17.0	7.0	1.1
-2.5°	74.9	59.9	44.4	29.8	17.0	7.0	1.1
-5°	74.7	59.7	44.2	29.7	16.9	7.0	1.1
-7.5°	74.4	59.3	43.9	29.5	16.7	6.9	1.1
-10°	73.9	58.7	43.5	29.2	16.6	6.9	1.1
-12.5°	73.2	58.0	42.9	28.8	16.3	6.8	1.1
-15°	72.4	57.2	42.2	28.3	16.1	6.7	1.1
-17.5°	71.3	56.2	41.4	27.8	15.8	6.7	1.1
-20°	70.0	55.0	40.6	27.2	15.4	6.6	1.1



REPORT NUMBER: P1217542 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	68.5	53.7	39.6	26.5	15.0	6.4	1.1
-25°	66.8	52.3	38.5	25.8	14.6	6.3	1.1
-27.5°	64.9	50.8	37.4	25.0	14.2	6.2	1.1
-30°	62.8	49.1	36.1	24.1	13.7	6.0	1.1
-32.5°	60.5	47.3	34.8	23.2	13.2	5.9	1.1
-35°	58.1	45.5	33.4	22.3	12.7	5.7	1.1
-37.5°	55.6	43.5	31.9	21.3	12.2	5.5	1.1
-40°	53.0	41.3	30.3	20.2	11.6	5.4	1.1
-42.5°	50.1	39.2	28.7	19.1	11.0	5.2	1.1
-45°	46.9	36.9	27.0	18.0	10.4	5.0	1.1
-47.5°	43.8	34.6	25.2	16.8	9.8	4.8	1.1
-50°	40.5	32.2	23.4	15.7	9.1	4.6	1.1
-52.5°	37.2	29.7	21.6	14.5	8.5	4.3	1.1
-55°	33.9	27.1	19.8	13.3	7.9	4.1	1.1
-57.5°	30.6	24.4	18.0	12.1	7.3	3.9	1.1
-60°	27.2	21.8	16.2	10.9	6.7	3.6	1.1
-62.5°	23.9	19.2	14.4	9.8	6.2	3.4	1.1
-65°	20.7	16.7	12.7	8.7	5.6	3.1	1.1
-67.5°	17.6	14.3	11.0	7.7	5.1	2.8	1.1
-70°	14.6	12.0	9.3	6.8	4.5	2.6	1.1
-72.5°	11.7	9.8	7.8	5.8	4.0	2.4	1.1
-75°	9.2	7.9	6.6	4.9	3.4	2.1	1.1
-77.5°	7.0	6.2	5.4	4.0	2.9	1.8	1.1
-80°	5.1	4.7	4.1	3.2	2.4	1.6	1.1
-82.5°	3.4	3.2	2.9	2.3	1.9	1.5	1.1
-85°	2.0	2.0	1.9	1.7	1.5	1.3	1.1
-87.5°	1.1	1.2	1.2	1.2	1.2	1.1	1.1
-90°	1.4	1.4	1.3	1.3	1.2	1.2	1.1

(END OF REPORT)