

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: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: TRX30S-BK-4000K-5H5V

Issue Date: 7/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1217541 (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-4000K-5H5V
Description: 30W Tracer Floodlight , NEMA 5H5V , Black Finish
Light Source: 80 CRI,4000K
Ballast/Driver: -

Summary

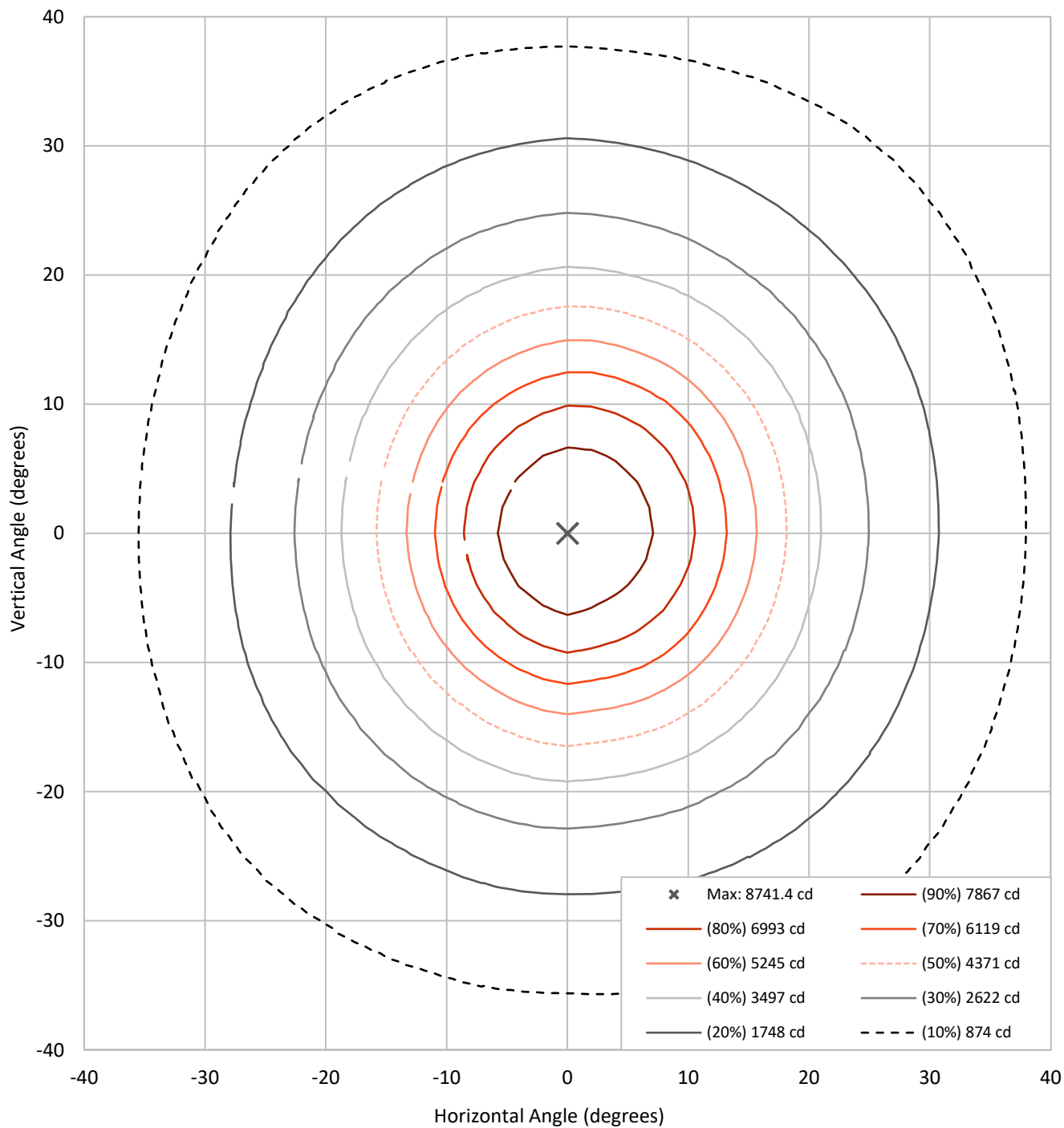
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	4743.8 lumens	Max Intensity:	8741.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	150.1 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46m x L: 0.46m x H: 0.22m)		
Beam Angle (50%):	34°H x 34°V	Field Angle (10%):	73.3°H x 73.1°V
Beam Lumens:	1691.6 lumens	Field Lumens:	3746.7 lumens
Beam Efficiency:	35.7%	Field Efficiency:	79.0%

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



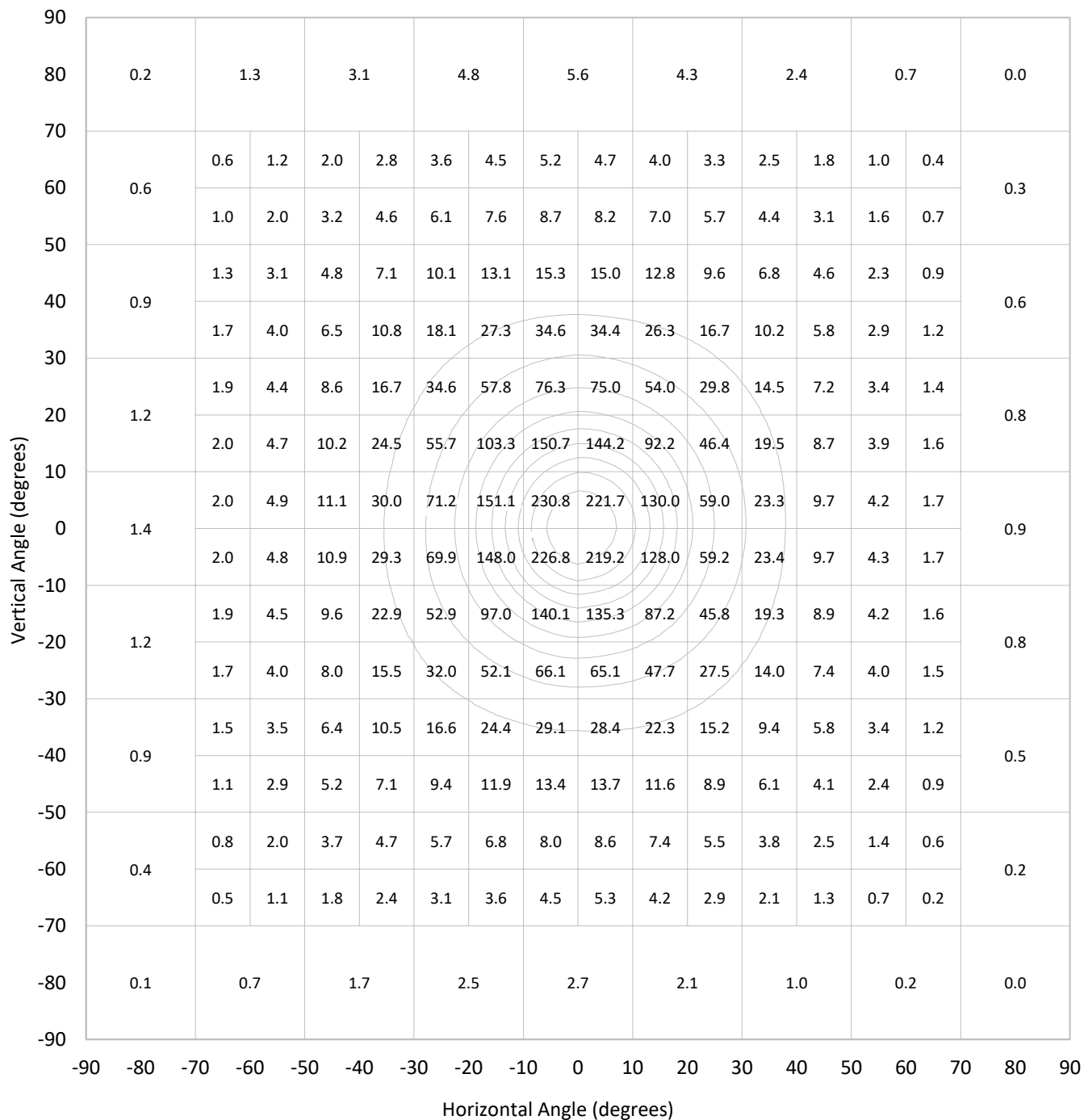
REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

Iso-Candela Plot



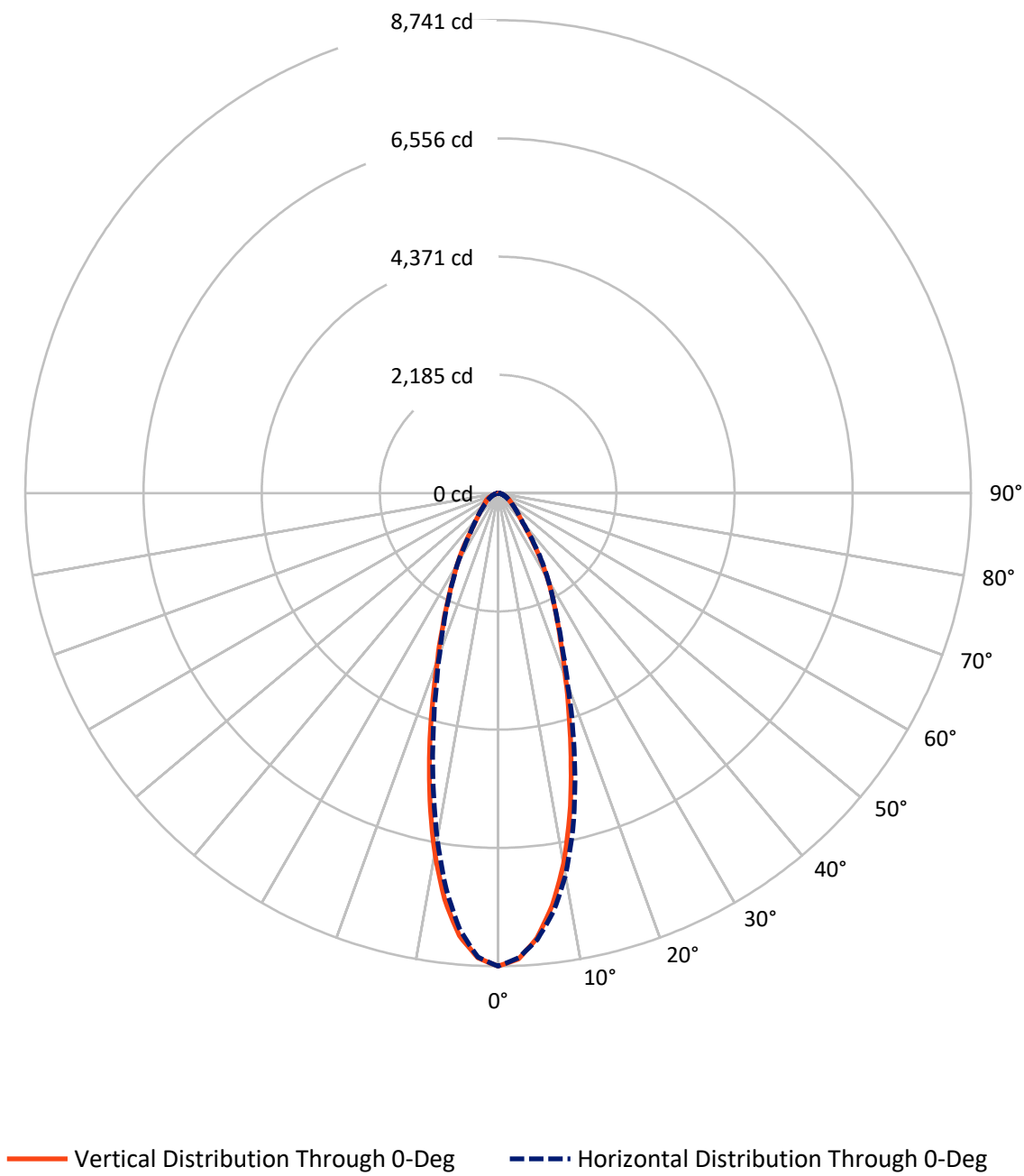
REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

Lumen Table



REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

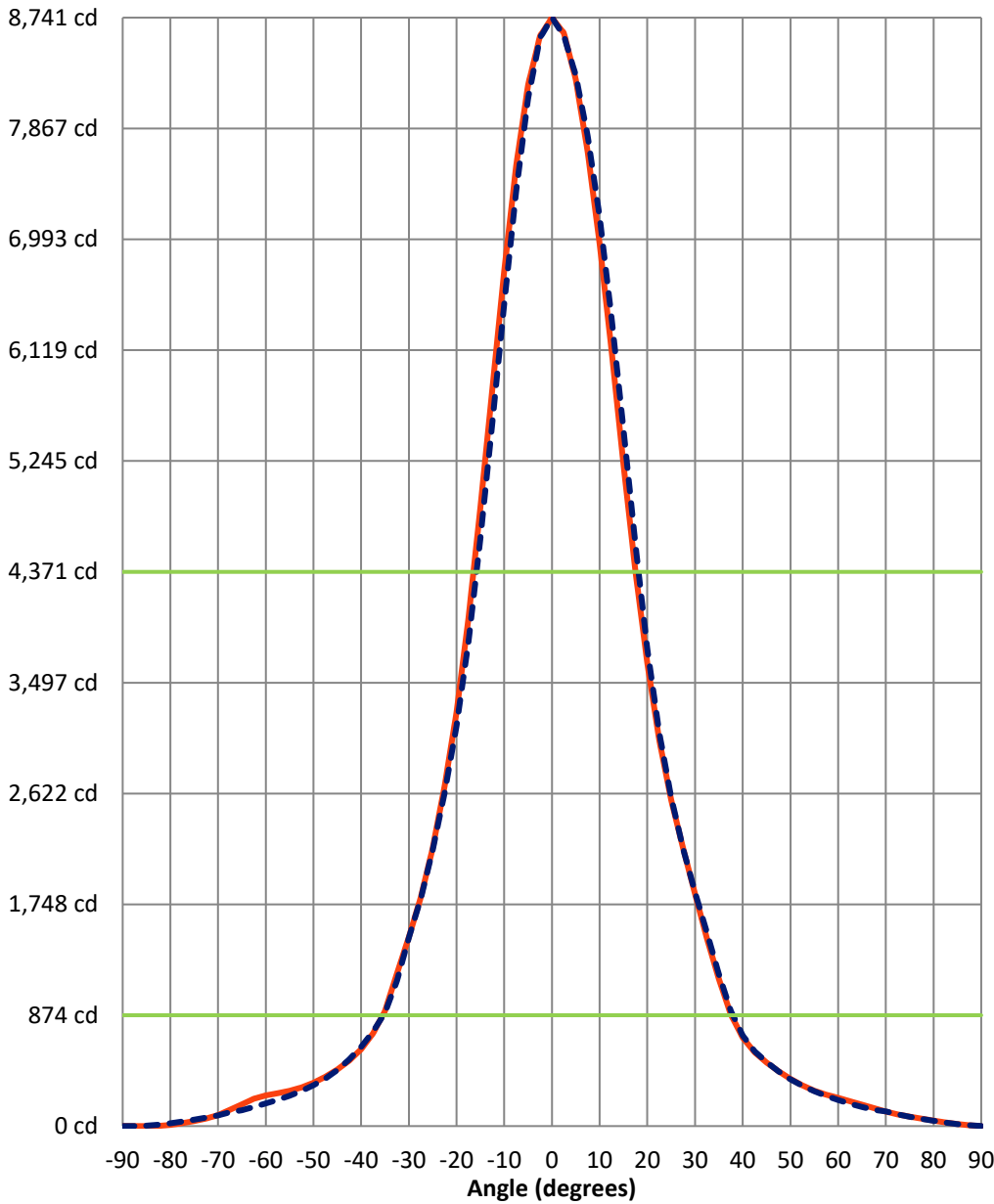
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
H Angle: 34°
V Angle: 34°
Lumens: 1691.6
Efficiency: 35.7%

Field:
H Angle: 73.3°
V Angle: 73.1°
Lumens: 3746.7
Efficiency: 79.0%

Spill:
Lumens: 997
Efficiency: 21.0%

— 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	0.1	0.1	0.2	0.2	0.2	0.3
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.7	1.0
82.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.8	1.3	1.8	2.5
80°	0.1	0.1	0.1	0.1	0.2	0.5	1.0	1.6	2.5	3.6	4.8
77.5°	0.1	0.1	0.1	0.1	0.4	1.0	1.8	2.9	4.2	5.8	7.8
75°	0.1	0.1	0.1	0.2	0.8	1.6	2.9	4.4	6.3	8.6	11.5
72.5°	0.1	0.1	0.1	0.4	1.2	2.5	4.2	6.3	8.8	12.0	15.9
70°	0.1	0.1	0.1	0.6	1.7	3.5	5.7	8.5	11.8	15.9	20.3
67.5°	0.1	0.1	0.2	0.9	2.4	4.6	7.5	11.0	15.3	19.8	24.9
65°	0.1	0.1	0.3	1.2	3.1	5.9	9.4	13.9	18.7	23.7	29.7
62.5°	0.1	0.1	0.4	1.5	3.9	7.3	11.6	16.9	22.2	27.8	34.8
60°	0.1	0.1	0.5	1.9	4.7	8.8	14.1	19.8	25.8	32.1	39.7
57.5°	0.1	0.1	0.6	2.4	5.7	10.5	16.6	22.8	29.5	36.7	44.9
55°	0.1	0.1	0.7	2.9	6.7	12.3	19.0	25.8	33.4	41.2	49.7
52.5°	0.1	0.1	0.8	3.4	7.8	14.3	21.3	28.9	37.3	45.8	54.6
50°	0.1	0.1	1.0	3.9	8.9	16.2	23.7	32.1	41.2	50.3	59.5
47.5°	0.1	0.1	1.1	4.4	10.0	17.9	26.1	35.4	45.0	54.8	64.7
45°	0.1	0.1	1.3	5.0	11.2	19.6	28.5	38.5	48.7	59.1	69.8
42.5°	0.1	0.1	1.5	5.6	12.4	21.2	30.9	41.6	52.4	63.5	75.1
40°	0.1	0.1	1.7	6.2	13.6	22.7	33.3	44.6	56.0	67.8	80.2
37.5°	0.1	0.1	1.8	6.7	14.8	24.3	35.6	47.4	59.4	71.9	85.7
35°	0.1	0.2	2.0	7.2	15.8	25.8	37.7	50.2	62.8	76.0	91.5
32.5°	0.1	0.2	2.2	7.8	16.8	27.2	39.6	52.7	66.1	80.0	98.0
30°	0.1	0.2	2.4	8.2	17.7	28.6	41.3	55.0	69.2	84.1	104.2
27.5°	0.1	0.2	2.6	8.7	18.6	29.9	43.0	57.0	71.8	88.4	109.2
25°	0.1	0.2	2.8	9.2	19.3	31.1	44.5	59.0	74.2	93.1	112.9
22.5°	0.1	0.3	2.9	9.6	20.0	32.2	45.9	60.7	76.4	97.0	115.2
20°	0.1	0.3	3.0	10.0	20.6	33.2	47.1	62.3	78.4	100.5	116.5
17.5°	0.1	0.3	3.2	10.3	21.1	34.0	48.2	63.7	80.1	103.5	118.1
15°	0.1	0.3	3.3	10.6	21.5	34.7	49.1	64.9	81.7	105.8	119.9
12.5°	0.1	0.3	3.3	10.8	21.9	35.3	49.8	65.8	82.9	107.5	121.6
10°	0.1	0.3	3.4	10.9	22.2	35.7	50.4	66.5	83.9	108.6	123.1
7.5°	0.1	0.3	3.4	11.0	22.3	35.9	50.8	67.0	84.6	109.2	124.2
5°	0.1	0.3	3.4	11.1	22.4	36.1	51.0	67.3	84.9	109.6	124.9
2.5°	0.1	0.3	3.4	11.1	22.4	36.0	51.0	67.4	84.9	109.7	125.3
0°	0.1	0.3	3.4	11.0	22.3	35.9	50.8	67.2	84.5	109.5	125.2
-2.5°	0.1	0.3	3.4	10.9	22.1	35.7	50.5	66.9	84.3	109.1	126.0
-5°	0.1	0.3	3.3	10.7	21.9	35.3	50.1	66.3	83.7	108.3	126.3
-7.5°	0.1	0.3	3.2	10.5	21.6	34.8	49.5	65.5	82.9	107.0	126.1
-10°	0.1	0.3	3.1	10.2	21.2	34.2	48.7	64.4	81.7	105.3	125.3
-12.5°	0.1	0.3	3.0	9.9	20.7	33.5	47.7	63.1	80.2	103.1	124.0
-15°	0.1	0.3	2.9	9.5	20.1	32.6	46.6	61.7	78.5	100.1	122.0
-17.5°	0.1	0.2	2.7	9.1	19.4	31.6	45.2	60.0	76.5	96.8	119.5
-20°	0.1	0.2	2.6	8.7	18.6	30.4	43.6	58.2	74.2	93.2	116.4

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CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.1	0.2	2.4	8.2	17.8	29.1	41.9	56.2	71.6	89.5	112.6
-25°	0.1	0.2	2.2	7.6	16.9	27.7	40.1	53.9	68.7	85.8	109.3
-27.5°	0.1	0.2	2.0	7.1	15.8	26.2	38.2	51.6	65.7	82.5	105.1
-30°	0.1	0.2	1.8	6.5	14.7	24.7	36.2	49.1	62.6	78.9	100.0
-32.5°	0.1	0.1	1.6	5.9	13.5	23.2	34.2	46.5	59.7	75.1	94.2
-35°	0.1	0.1	1.4	5.4	12.4	21.6	32.0	43.6	56.6	71.2	88.2
-37.5°	0.1	0.1	1.2	4.8	11.2	19.9	29.6	40.7	53.3	67.1	82.3
-40°	0.1	0.1	1.1	4.2	10.0	18.1	27.1	37.7	49.8	63.0	76.8
-42.5°	0.1	0.1	0.9	3.7	8.8	16.3	24.7	34.8	46.3	58.6	71.7
-45°	0.1	0.1	0.8	3.2	7.6	14.3	22.4	31.7	42.4	53.7	66.6
-47.5°	0.1	0.1	0.6	2.6	6.5	12.3	20.0	28.2	38.2	49.0	61.2
-50°	0.1	0.1	0.5	2.2	5.4	10.5	17.4	24.8	34.1	44.3	54.7
-52.5°	0.1	0.1	0.4	1.8	4.3	8.8	14.8	21.7	29.7	39.1	48.7
-55°	0.1	0.1	0.4	1.4	3.5	7.1	12.1	18.6	25.2	34.0	42.8
-57.5°	0.1	0.1	0.3	1.0	2.7	5.5	9.7	15.3	21.3	28.3	36.2
-60°	0.1	0.1	0.3	0.8	2.0	4.1	7.5	12.0	17.5	23.0	29.7
-62.5°	0.1	0.1	0.2	0.5	1.5	3.0	5.5	8.9	13.5	18.6	23.5
-65°	0.1	0.1	0.1	0.4	1.0	2.1	3.8	6.3	9.7	13.9	18.3
-67.5°	0.1	0.1	0.1	0.3	0.6	1.4	2.5	4.1	6.4	9.5	13.1
-70°	0.1	0.1	0.1	0.2	0.4	0.9	1.5	2.4	3.8	5.8	8.3
-72.5°	0.1	0.1	0.1	0.2	0.3	0.5	0.9	1.4	2.0	3.0	4.4
-75°	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.8	1.0	1.4	2.1
-77.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9
-80°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4
-82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
-85°	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	0.1	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	0.2	0.2



REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

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°	0.3	0.4	0.5	0.7	0.8	1.0	1.3	1.5	1.8	2.0	2.2
85°	1.4	1.8	2.3	2.9	3.5	4.1	4.6	5.1	5.6	6.1	6.8
82.5°	3.3	4.3	5.3	6.5	7.6	9.0	10.0	10.9	11.8	12.7	14.0
80°	6.2	7.9	9.7	11.7	13.9	16.1	17.6	18.9	20.1	21.3	22.8
77.5°	10.0	12.7	15.6	18.2	20.8	23.5	25.8	27.6	29.3	30.9	32.9
75°	14.9	18.3	21.6	25.0	28.6	32.2	35.1	37.4	39.6	41.5	43.8
72.5°	19.8	23.9	28.2	32.5	36.9	41.4	45.2	47.8	50.3	52.4	55.2
70°	25.0	30.1	35.3	40.4	45.6	50.8	55.4	58.5	61.4	64.1	67.2
67.5°	30.5	36.5	42.5	48.5	54.4	60.2	65.9	69.4	72.9	76.1	79.6
65°	36.3	43.0	50.0	56.7	63.2	69.6	76.0	80.5	84.9	89.2	93.3
62.5°	42.0	49.6	57.4	64.8	71.9	79.1	86.6	92.8	99.0	105.2	110.3
60°	47.9	56.1	64.6	72.7	80.8	89.2	98.9	109.4	118.3	124.8	129.3
57.5°	53.5	62.6	71.7	81.0	90.3	101.4	115.4	130.9	139.4	145.2	149.0
55°	59.1	68.9	79.0	89.6	101.5	116.5	133.2	150.3	159.5	164.4	169.8
52.5°	64.7	75.3	86.5	99.2	114.5	131.8	149.5	165.8	177.9	186.1	194.2
50°	70.2	81.8	94.7	109.9	127.4	145.8	163.6	180.5	199.6	209.5	216.3
47.5°	75.8	88.7	103.6	120.3	139.5	159.0	177.4	198.2	217.5	227.8	234.1
45°	81.4	95.8	112.0	129.7	150.3	171.6	193.8	214.7	230.1	243.1	254.3
42.5°	87.7	102.8	118.8	137.9	160.0	185.3	209.1	226.9	241.7	259.9	278.2
40°	94.6	108.5	124.8	145.8	169.7	197.4	221.4	237.7	256.8	279.5	305.6
37.5°	101.8	113.6	130.5	153.0	179.9	207.3	229.9	250.4	274.4	302.0	333.6
35°	107.9	119.5	135.9	160.3	188.6	215.3	238.8	265.4	293.9	326.4	363.6
32.5°	112.5	125.7	143.9	167.4	196.4	222.8	249.7	280.4	314.6	352.6	394.2
30°	116.2	132.1	152.4	175.5	203.6	231.1	261.7	296.0	335.2	378.6	427.5
27.5°	120.6	138.4	160.4	184.8	211.1	240.3	274.1	312.1	355.7	405.2	461.9
25°	125.1	144.8	167.8	193.1	220.1	250.6	286.3	328.2	375.6	432.1	497.3
22.5°	129.5	151.0	174.1	200.5	228.9	261.9	299.3	343.5	396.3	459.5	532.9
20°	133.5	156.5	179.7	207.0	237.5	272.7	313.5	359.6	416.4	487.4	568.5
17.5°	137.1	161.2	184.7	212.8	245.4	283.1	327.0	376.5	438.6	514.3	602.8
15°	140.4	165.3	189.4	218.2	252.7	292.7	339.2	392.5	460.2	542.3	636.3
12.5°	143.5	168.9	194.2	223.9	259.2	301.5	349.6	406.8	479.7	566.7	668.7
10°	146.1	172.0	198.4	229.1	265.4	309.1	358.4	418.8	496.3	587.6	696.6
7.5°	148.2	174.6	201.7	233.2	270.5	315.1	365.7	429.0	509.6	604.4	718.7
5°	149.8	176.7	204.3	236.3	274.2	319.4	371.0	436.7	519.3	616.9	734.8
2.5°	150.8	178.1	206.1	238.4	276.5	321.8	374.1	441.0	524.9	623.8	743.9
0°	151.1	178.9	207.0	239.4	277.4	322.5	374.9	442.0	526.2	625.2	745.7
-2.5°	152.6	181.5	209.2	241.0	278.6	323.2	375.6	442.1	524.7	622.3	741.0
-5°	153.4	183.4	210.7	241.7	278.6	322.2	373.9	439.0	519.2	614.0	728.9
-7.5°	153.3	184.5	211.6	241.3	277.3	319.5	369.9	432.8	509.9	600.7	709.8
-10°	152.5	184.8	211.9	240.1	274.9	315.2	364.0	424.2	497.7	583.4	686.7
-12.5°	150.9	184.0	211.6	238.1	271.4	309.8	357.0	414.9	483.4	563.8	659.2
-15°	148.7	182.2	210.8	235.7	267.4	304.0	349.2	403.5	467.5	541.9	628.6
-17.5°	146.0	179.1	210.0	233.3	262.4	297.2	339.5	390.5	450.0	518.1	595.2
-20°	142.6	176.4	209.3	231.1	257.0	289.5	328.2	376.3	430.5	490.2	560.4

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CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	140.2	172.8	207.8	229.3	251.7	281.1	316.5	359.0	406.3	461.2	524.1
-25°	137.0	168.4	204.5	228.1	246.8	272.5	302.6	338.2	381.5	430.8	486.9
-27.5°	133.0	163.7	198.9	227.3	243.0	262.1	287.3	318.1	356.2	399.9	448.7
-30°	128.0	158.2	191.5	225.1	237.7	251.1	272.5	299.3	330.9	368.7	409.5
-32.5°	121.7	151.9	183.5	216.0	231.1	241.0	258.3	280.9	307.6	337.3	371.7
-35°	114.1	144.3	174.9	198.9	221.8	232.0	245.0	263.8	284.6	308.8	336.7
-37.5°	105.2	135.0	160.7	182.0	206.3	222.6	233.0	246.0	262.8	282.8	305.3
-40°	95.7	123.0	146.3	165.5	185.9	208.7	220.8	229.1	241.7	258.1	276.7
-42.5°	86.7	108.9	131.5	150.2	167.2	186.8	204.4	212.6	221.9	234.3	251.2
-45°	79.1	95.4	116.4	134.9	149.8	165.2	181.2	194.4	202.2	212.0	227.0
-47.5°	72.3	84.1	101.1	119.4	134.0	145.5	157.9	170.7	181.0	191.7	205.0
-50°	65.5	75.4	87.6	103.3	118.5	129.1	137.9	147.1	156.8	171.4	184.1
-52.5°	58.1	67.5	77.0	88.6	101.9	113.5	121.4	127.8	136.4	150.5	163.2
-55°	50.6	59.1	68.0	76.9	86.7	97.4	106.3	111.9	120.3	131.1	142.7
-57.5°	43.7	51.0	58.2	66.7	74.4	82.4	90.8	98.0	106.7	115.3	124.1
-60°	36.5	43.1	49.8	56.0	63.3	70.1	76.7	84.2	93.4	101.0	108.5
-62.5°	29.3	35.2	41.1	47.0	52.6	58.4	64.0	71.1	79.4	87.9	94.8
-65°	22.6	27.4	32.3	37.7	42.8	47.7	52.4	58.1	64.3	71.3	79.4
-67.5°	16.9	20.6	24.3	28.5	33.1	37.2	41.4	46.3	51.4	56.3	61.3
-70°	11.1	14.4	17.5	20.7	23.9	27.2	30.8	34.6	38.7	42.9	46.8
-72.5°	6.2	8.3	10.8	13.4	16.0	18.6	21.2	23.9	26.8	29.8	32.7
-75°	2.7	3.6	5.0	6.7	8.4	10.3	12.3	14.4	16.6	18.7	20.7
-77.5°	1.1	1.4	1.7	2.3	3.0	3.8	4.9	6.0	7.2	8.3	9.6
-80°	0.5	0.5	0.6	0.7	0.9	1.0	1.3	1.5	1.8	2.2	2.7
-82.5°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5
-85°	0.1	0.1	0.1	0.1	0.1	0.1	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
-90°	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

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°	2.5	2.8	3.0	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.1
85°	7.4	8.1	8.7	9.3	10.0	10.7	11.3	11.8	12.2	12.6	13.0
82.5°	15.3	16.5	17.6	18.7	19.8	20.7	21.7	22.4	23.0	23.6	24.0
80°	24.5	26.1	27.7	29.4	30.9	32.4	33.8	34.8	35.7	36.4	37.0
77.5°	35.2	37.4	39.5	41.5	43.5	45.5	47.3	48.4	49.4	50.2	50.9
75°	46.7	49.4	51.9	54.5	57.0	59.4	61.5	63.1	64.2	65.1	65.8
72.5°	58.7	61.9	65.1	68.2	71.2	74.1	76.8	78.6	79.8	80.9	81.6
70°	71.2	75.1	78.8	82.6	86.6	90.5	94.4	97.0	98.0	98.6	98.7
67.5°	84.4	89.2	94.0	98.8	103.1	107.0	110.6	113.1	114.3	115.3	116.1
65°	99.2	104.8	109.7	113.9	118.7	123.6	127.9	131.3	133.4	135.2	136.8
62.5°	115.9	121.7	127.0	131.6	137.1	142.3	147.2	151.6	155.0	158.3	161.3
60°	134.0	140.2	145.8	151.2	157.4	163.6	169.1	173.7	178.6	183.4	187.9
57.5°	152.6	160.4	167.8	174.1	180.1	186.7	192.6	197.9	204.3	210.5	215.9
55°	175.9	184.2	191.8	198.1	204.1	211.5	218.8	225.7	233.3	240.6	246.9
52.5°	200.7	207.4	215.0	222.3	229.9	239.7	249.9	259.8	269.5	278.6	286.5
50°	222.1	229.2	239.2	250.0	261.5	274.6	288.4	301.8	314.3	325.6	335.5
47.5°	243.2	254.5	268.2	283.6	299.8	316.6	334.3	351.4	367.3	381.5	393.7
45°	268.1	284.3	302.2	322.6	343.7	365.1	387.3	408.9	429.1	446.7	461.7
42.5°	297.3	318.4	341.3	366.9	393.7	421.2	449.0	476.4	501.8	524.0	541.9
40°	330.3	357.1	385.7	417.6	451.3	486.1	520.7	554.7	587.6	618.8	645.2
37.5°	366.7	399.0	435.4	474.1	516.2	558.9	603.6	652.5	703.4	753.7	794.6
35°	403.8	445.2	489.0	536.4	587.0	644.8	714.9	791.7	866.0	938.2	1005.1
32.5°	442.1	493.9	546.1	603.5	671.9	758.8	858.4	963.8	1066.6	1166.9	1260.4
30°	482.7	542.5	606.2	681.4	779.4	899.6	1030.9	1168.7	1303.6	1434.3	1556.0
27.5°	525.0	594.0	672.5	773.3	905.5	1065.8	1232.3	1397.9	1563.7	1719.6	1866.8
25°	568.9	649.3	748.2	880.1	1056.2	1248.5	1441.7	1634.3	1830.7	2018.7	2190.8
22.5°	613.6	707.6	830.8	1004.9	1217.9	1435.1	1649.1	1875.9	2111.4	2341.1	2548.2
20°	659.8	768.7	921.9	1139.1	1379.3	1612.8	1857.4	2135.2	2415.1	2689.4	2960.8
17.5°	705.6	831.9	1019.1	1275.0	1529.5	1778.4	2084.0	2408.9	2740.1	3092.0	3450.8
15°	747.8	893.9	1118.9	1402.5	1659.5	1954.1	2312.3	2689.6	3097.9	3538.4	3993.3
12.5°	788.1	953.8	1215.9	1509.4	1780.7	2133.3	2533.0	2972.4	3469.9	4013.8	4578.4
10°	823.7	1011.0	1309.1	1598.6	1897.2	2297.4	2739.2	3239.9	3827.8	4487.2	5166.9
7.5°	850.6	1059.0	1385.8	1673.2	2009.7	2436.9	2917.5	3482.9	4156.0	4919.1	5699.1
5°	874.0	1100.6	1439.5	1729.2	2095.1	2543.7	3053.2	3666.4	4419.0	5260.7	6126.7
2.5°	889.6	1133.0	1473.2	1775.1	2155.3	2610.5	3135.5	3781.3	4584.3	5478.9	6399.3
0°	894.8	1145.5	1485.4	1793.8	2177.3	2628.4	3156.5	3818.1	4635.2	5544.7	6485.1
-2.5°	892.3	1145.9	1478.9	1790.8	2165.8	2601.6	3118.9	3758.8	4545.4	5433.6	6364.5
-5°	877.5	1125.0	1450.6	1759.4	2117.9	2533.9	3018.3	3618.0	4350.4	5174.1	6048.3
-7.5°	851.6	1085.4	1399.5	1699.8	2041.3	2425.2	2871.4	3403.8	4057.4	4777.7	5551.1
-10°	818.3	1029.6	1324.9	1619.6	1932.6	2284.0	2683.3	3145.1	3696.6	4310.9	4954.2
-12.5°	777.2	960.9	1232.9	1514.6	1798.5	2121.0	2469.4	2860.4	3305.3	3807.4	4327.7
-15°	733.1	886.7	1123.4	1388.1	1650.2	1932.6	2239.6	2570.5	2926.7	3312.0	3722.7
-17.5°	687.8	811.5	1008.1	1253.8	1488.4	1726.6	1996.4	2275.8	2570.1	2868.9	3174.2
-20°	642.2	742.2	893.0	1099.5	1319.0	1531.7	1742.6	1980.4	2224.1	2470.0	2700.9



REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	596.4	679.8	791.5	951.8	1144.4	1332.2	1515.9	1698.1	1892.6	2087.8	2273.4
-25°	550.2	622.1	706.5	823.0	970.6	1131.5	1293.6	1448.3	1601.2	1744.0	1886.9
-27.5°	502.8	565.3	635.4	716.7	822.6	945.9	1076.3	1214.7	1342.4	1460.6	1571.9
-30°	456.2	509.3	569.1	634.3	707.9	795.1	890.6	993.0	1098.9	1203.4	1297.1
-32.5°	410.7	455.3	506.6	561.1	618.2	679.0	744.4	814.0	883.7	956.4	1030.8
-35°	368.0	406.2	448.8	493.8	540.7	587.8	634.7	682.9	729.7	772.2	815.5
-37.5°	331.4	362.2	396.4	433.1	471.1	509.1	546.4	582.2	614.8	645.9	677.0
-40°	299.7	324.5	351.0	379.5	409.6	440.2	470.1	498.2	524.6	548.8	572.6
-42.5°	270.3	290.9	312.4	335.1	357.6	380.7	404.1	426.4	446.6	468.6	490.5
-45°	243.6	260.0	277.7	298.0	316.8	334.2	351.1	367.4	383.2	404.1	424.5
-47.5°	218.1	232.2	248.3	265.0	281.3	296.9	310.4	322.4	333.6	353.3	371.8
-50°	195.1	206.5	221.4	236.3	250.4	264.0	276.7	287.4	298.5	314.3	329.4
-52.5°	174.1	184.6	197.0	209.8	222.2	236.2	249.2	260.3	271.7	285.0	297.8
-55°	153.9	163.7	174.1	184.6	196.1	211.2	224.4	236.1	248.6	261.2	273.1
-57.5°	133.3	142.4	151.3	159.9	171.1	185.9	200.2	213.6	228.9	242.9	255.3
-60°	115.6	122.1	128.8	135.7	145.8	158.3	171.3	184.6	206.2	225.4	242.8
-62.5°	99.8	104.7	110.0	115.2	122.3	130.9	140.2	152.1	176.6	200.6	223.8
-65°	85.8	90.1	93.5	97.1	102.0	107.6	113.2	122.6	141.3	161.0	181.3
-67.5°	65.7	70.7	75.9	80.4	83.5	86.3	89.3	95.3	106.1	117.8	130.2
-70°	50.1	53.1	56.1	59.2	62.0	64.6	67.0	70.4	75.0	79.6	84.4
-72.5°	35.4	38.0	40.3	42.4	44.8	46.8	48.6	51.0	53.6	56.1	58.5
-75°	22.5	24.3	25.9	27.7	29.5	31.1	32.6	34.6	36.6	38.6	40.4
-77.5°	11.0	12.4	13.7	15.1	16.4	17.6	18.7	20.1	21.4	22.7	23.8
-80°	3.3	3.8	4.3	4.9	5.5	6.2	6.8	7.5	8.1	8.8	9.3
-82.5°	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.4	1.5
-85°	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	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

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°	5.4	5.8	6.1	6.4	6.4	6.4	6.3	6.3	6.3	6.4	6.4
85°	13.9	14.8	15.7	16.5	16.4	16.3	16.1	15.8	15.5	15.1	14.7
82.5°	25.3	26.6	27.8	28.9	29.0	29.1	29.1	28.9	28.0	27.1	26.1
80°	38.7	40.3	41.9	43.4	43.7	43.9	44.0	43.9	42.4	40.9	39.3
77.5°	53.0	55.1	57.0	58.8	59.4	59.8	60.0	59.9	57.8	55.5	53.2
75°	68.1	70.5	72.7	74.7	75.2	75.6	75.7	75.4	73.1	70.6	67.9
72.5°	84.3	87.1	89.7	92.1	92.5	92.7	92.6	91.8	88.9	85.7	82.3
70°	102.1	106.5	110.7	114.7	114.9	114.8	114.1	112.3	108.1	104.0	99.7
67.5°	121.3	128.5	135.4	141.9	144.0	145.5	146.2	143.9	135.9	128.1	120.5
65°	143.2	152.2	160.8	168.9	172.3	175.1	177.3	174.7	164.3	153.7	142.9
62.5°	168.2	178.0	187.2	195.8	199.4	202.3	204.7	201.0	190.0	178.3	166.1
60°	195.2	205.3	214.5	222.9	225.8	228.1	230.0	225.7	215.2	203.9	191.6
57.5°	222.6	231.8	240.1	247.7	249.7	251.1	251.8	246.8	237.8	228.0	217.8
55°	253.8	263.4	271.7	279.0	280.5	280.9	280.3	273.9	264.5	254.1	244.3
52.5°	294.1	304.8	313.8	321.3	322.4	322.0	320.1	310.8	299.0	286.6	276.0
50°	343.9	355.5	365.1	372.7	373.2	371.7	368.1	356.1	341.9	326.5	315.1
47.5°	403.5	415.9	425.8	433.0	433.0	430.6	425.5	411.5	395.1	376.3	362.4
45°	473.1	485.4	495.0	501.2	500.3	496.4	488.9	474.5	456.8	437.0	418.7
42.5°	556.3	568.9	577.7	582.0	579.1	572.4	562.2	547.3	528.0	507.0	485.4
40°	666.8	683.8	694.1	697.1	691.5	679.0	663.3	645.3	620.4	592.5	565.0
37.5°	829.2	856.9	875.1	880.6	867.9	843.2	817.4	787.9	751.9	717.7	676.6
35°	1063.5	1111.7	1144.4	1160.1	1144.8	1110.9	1068.8	1019.1	960.2	895.7	831.3
32.5°	1343.0	1407.7	1453.7	1479.1	1459.8	1418.1	1362.9	1293.1	1211.1	1119.9	1028.9
30°	1659.3	1743.4	1800.2	1831.3	1811.8	1764.5	1693.4	1599.5	1491.8	1376.2	1254.3
27.5°	1991.5	2087.8	2154.5	2190.9	2169.9	2119.2	2038.4	1929.6	1800.6	1654.3	1504.6
25°	2338.5	2456.9	2534.5	2572.2	2552.4	2494.3	2400.0	2274.2	2125.7	1956.8	1776.3
22.5°	2733.8	2884.6	2992.2	3044.3	3018.0	2937.4	2813.0	2659.6	2474.4	2272.5	2062.1
20°	3209.3	3418.5	3572.1	3649.6	3621.1	3510.8	3332.5	3121.3	2876.2	2620.5	2362.4
17.5°	3776.3	4059.2	4268.3	4377.7	4358.9	4215.1	3989.5	3703.5	3365.9	3018.9	2687.2
15°	4419.5	4790.3	5068.0	5216.6	5213.1	5006.7	4731.6	4364.7	3934.5	3478.0	3039.4
12.5°	5117.3	5582.8	5924.1	6116.0	6114.6	5874.6	5542.6	5075.7	4532.2	3966.8	3418.9
10°	5809.7	6353.4	6744.6	6958.5	6934.3	6700.1	6318.2	5765.9	5121.3	4448.1	3795.1
7.5°	6441.3	7052.5	7477.5	7681.4	7640.8	7388.9	6971.8	6376.8	5658.4	4880.2	4126.7
5°	6942.4	7609.0	8068.1	8253.0	8172.4	7889.6	7443.7	6827.9	6062.9	5221.1	4390.4
2.5°	7267.4	7979.0	8454.1	8618.3	8502.7	8195.6	7725.3	7094.7	6308.4	5436.9	4554.5
0°	7371.6	8103.3	8581.1	8741.4	8597.6	8285.1	7806.7	7170.0	6375.4	5493.6	4590.6
-2.5°	7241.1	7952.1	8417.0	8594.8	8424.7	8125.1	7664.3	7034.9	6248.5	5388.4	4502.9
-5°	6871.6	7548.7	8003.0	8209.3	8035.5	7747.4	7315.0	6700.4	5945.2	5118.4	4292.1
-7.5°	6296.0	6917.5	7348.6	7572.3	7408.2	7167.5	6761.9	6181.4	5477.9	4727.1	3981.8
-10°	5590.8	6143.6	6540.0	6745.0	6613.4	6405.2	6039.5	5514.3	4902.4	4249.6	3622.2
-12.5°	4841.4	5301.6	5647.2	5811.2	5684.9	5532.7	5212.2	4783.9	4279.1	3750.3	3234.8
-15°	4122.2	4480.9	4758.2	4879.8	4770.1	4646.4	4400.2	4061.6	3675.3	3256.5	2858.7
-17.5°	3465.2	3725.5	3926.5	4006.0	3937.2	3833.3	3653.9	3408.2	3112.8	2805.6	2506.5
-20°	2907.4	3095.4	3221.2	3265.1	3220.6	3143.8	3020.0	2839.2	2632.1	2413.9	2188.3

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2436.7	2573.6	2659.6	2682.3	2650.1	2585.1	2498.3	2378.3	2232.2	2065.1	1888.8
-25°	2016.4	2124.8	2180.9	2193.1	2178.7	2134.6	2076.7	1989.0	1878.5	1751.3	1610.9
-27.5°	1669.9	1745.9	1789.7	1804.0	1798.6	1768.0	1725.4	1659.6	1576.7	1477.2	1366.0
-30°	1381.1	1447.2	1480.4	1490.7	1487.1	1461.3	1429.8	1378.8	1311.7	1230.8	1140.2
-32.5°	1102.2	1160.6	1192.1	1202.5	1201.7	1183.0	1155.6	1114.9	1063.0	1001.2	928.8
-35°	854.8	885.7	904.0	908.9	920.2	916.1	902.3	879.2	845.0	801.9	750.4
-37.5°	703.1	720.9	730.1	731.8	734.2	729.0	720.8	707.9	686.1	655.3	616.9
-40°	591.4	603.2	607.6	606.4	606.6	600.9	591.5	579.8	563.5	544.4	521.5
-42.5°	508.4	516.3	518.2	516.4	514.2	507.8	498.8	490.9	479.2	464.3	446.3
-45°	442.1	447.4	448.2	446.2	441.4	433.5	423.7	417.2	407.5	395.3	382.4
-47.5°	388.6	391.2	391.3	389.3	382.7	374.0	363.2	358.1	350.7	341.4	332.3
-50°	342.7	343.9	343.6	341.7	335.5	327.8	318.8	313.8	307.6	299.4	291.0
-52.5°	308.0	308.1	307.1	305.0	299.1	292.1	283.6	277.2	270.1	261.7	254.2
-55°	281.2	281.0	280.1	278.4	270.7	262.1	252.3	244.9	238.0	229.8	222.4
-57.5°	262.3	261.6	260.6	259.2	248.9	237.9	226.0	216.9	209.5	201.1	193.0
-60°	250.1	247.5	244.9	241.9	228.4	214.2	199.0	188.0	180.9	173.3	165.5
-62.5°	231.0	226.4	221.3	215.6	200.6	184.7	168.3	156.8	151.9	146.9	142.0
-65°	187.1	183.1	177.9	171.6	160.3	148.5	136.2	127.6	125.1	122.3	119.5
-67.5°	134.4	133.8	131.9	129.0	122.5	115.4	108.2	102.8	101.6	100.4	99.0
-70°	86.4	87.1	87.2	86.8	85.3	83.3	81.2	79.6	80.0	80.1	80.1
-72.5°	59.3	59.7	59.9	59.7	59.8	59.6	59.1	58.7	59.4	59.8	60.0
-75°	40.8	40.7	40.3	39.8	40.2	40.4	40.5	40.4	41.0	41.3	41.3
-77.5°	24.0	23.9	23.7	23.4	23.8	24.1	24.3	24.3	24.8	25.1	25.2
-80°	9.5	9.5	9.4	9.3	9.8	10.2	10.5	10.7	11.1	11.5	11.6
-82.5°	1.5	1.5	1.4	1.4	1.8	2.2	2.5	2.8	3.0	3.2	3.4
-85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-87.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

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	6.3	6.3	6.2	6.2	6.0	5.8
85°	14.2	14.1	14.0	13.8	13.6	13.4	13.2	12.9	12.5	12.0	11.4
82.5°	25.2	24.9	24.5	24.1	23.6	23.1	22.5	21.8	21.1	20.0	18.9
80°	37.7	37.2	36.7	36.0	35.2	34.3	33.3	32.2	31.0	29.2	27.5
77.5°	51.2	50.5	49.8	48.8	47.8	46.5	45.1	43.6	41.7	39.3	37.0
75°	65.5	64.6	63.6	62.4	61.0	59.3	57.5	55.5	53.1	50.1	47.1
72.5°	79.8	79.0	77.9	76.3	74.5	72.4	70.3	67.9	64.8	61.2	57.4
70°	96.9	95.9	94.7	93.0	90.4	87.2	83.8	80.6	76.7	72.4	68.2
67.5°	115.8	113.1	110.4	108.1	105.8	103.2	100.1	96.2	90.2	84.3	78.9
65°	136.9	132.6	128.3	123.9	120.8	117.2	113.3	109.1	103.9	97.9	91.0
62.5°	159.6	154.0	148.2	142.5	138.2	133.7	129.2	123.7	116.8	110.0	103.3
60°	184.7	177.5	170.1	163.5	158.0	152.1	145.9	139.3	131.6	123.7	115.4
57.5°	210.4	202.0	193.2	185.6	178.8	171.8	164.7	156.3	147.1	138.4	129.0
55°	236.5	227.7	218.2	209.6	201.0	192.8	184.2	175.3	165.1	154.0	144.8
52.5°	267.0	257.0	246.0	235.3	224.1	213.7	204.6	195.7	185.0	172.8	163.4
50°	303.9	291.5	278.4	264.9	250.9	237.2	225.8	215.6	205.1	193.0	185.4
47.5°	347.8	332.1	316.6	299.8	282.7	265.6	251.0	237.1	224.4	214.1	206.4
45°	399.8	379.4	359.4	339.2	318.8	298.7	279.7	262.0	245.5	233.4	224.4
42.5°	460.9	435.5	409.6	383.9	358.5	334.3	311.1	289.7	270.1	253.7	240.9
40°	534.8	501.9	468.8	436.5	404.4	373.8	345.1	318.7	296.4	275.8	258.6
37.5°	629.3	582.7	539.9	497.0	457.1	418.6	383.2	351.8	324.2	299.2	277.7
35°	761.9	703.2	633.6	568.5	515.5	468.9	426.2	389.1	355.1	324.5	297.9
32.5°	936.4	844.4	756.6	670.0	584.6	523.2	473.6	429.5	389.1	352.3	319.2
30°	1133.1	1017.5	897.4	781.1	682.2	586.7	521.8	471.0	425.3	381.5	342.5
27.5°	1351.6	1206.4	1063.1	918.6	782.8	671.3	574.6	511.4	459.9	412.3	367.2
25°	1590.1	1411.8	1242.0	1072.9	905.9	755.4	640.3	552.6	494.1	442.3	392.6
22.5°	1846.4	1630.6	1428.3	1233.3	1041.1	860.0	712.4	596.1	525.8	470.2	418.3
20°	2109.2	1859.9	1621.2	1397.8	1181.6	971.4	781.0	648.2	556.7	496.9	438.2
17.5°	2377.9	2088.3	1817.8	1563.5	1319.1	1079.8	863.8	702.7	586.2	515.8	453.1
15°	2651.8	2310.1	2002.5	1720.3	1450.8	1188.7	946.9	746.0	613.9	532.8	465.7
12.5°	2935.4	2522.6	2169.1	1860.8	1574.3	1289.2	1019.7	791.8	644.5	548.6	476.9
10°	3205.5	2715.5	2319.8	1979.8	1674.7	1378.5	1085.7	836.7	669.7	562.5	486.6
7.5°	3448.6	2885.5	2439.8	2072.7	1754.7	1449.9	1141.0	871.4	688.9	574.9	495.7
5°	3634.8	3015.0	2528.1	2142.1	1809.9	1497.7	1179.0	897.3	704.3	584.2	501.9
2.5°	3746.9	3089.2	2581.6	2180.0	1838.8	1522.5	1198.4	910.4	713.1	589.3	505.1
0°	3762.1	3103.7	2593.0	2188.1	1844.1	1525.7	1198.2	909.4	715.2	590.1	505.2
-2.5°	3699.9	3054.2	2564.7	2163.4	1820.7	1503.7	1180.7	897.8	709.4	586.2	501.6
-5°	3546.9	2951.6	2492.8	2107.9	1773.0	1458.9	1144.3	872.4	696.8	578.0	494.7
-7.5°	3327.6	2797.5	2380.9	2021.1	1699.0	1395.3	1091.4	835.2	677.4	565.7	484.4
-10°	3064.9	2614.0	2242.8	1910.0	1603.9	1315.5	1026.1	794.1	651.0	548.7	471.8
-12.5°	2786.9	2409.0	2081.7	1776.3	1492.0	1218.1	951.5	749.5	618.4	529.5	456.3
-15°	2502.0	2192.6	1905.8	1628.3	1368.7	1107.2	870.6	704.3	587.0	507.3	438.6
-17.5°	2231.4	1968.8	1714.7	1471.1	1233.9	994.3	792.9	655.7	555.5	483.5	419.3
-20°	1963.4	1742.3	1520.4	1306.6	1090.3	882.7	723.0	604.8	525.5	458.4	399.0

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1704.3	1518.0	1331.4	1143.8	948.6	780.1	657.0	562.6	495.1	434.5	379.9
-25°	1463.1	1310.1	1150.9	980.2	819.5	695.4	592.0	524.0	465.5	410.6	361.8
-27.5°	1245.3	1116.4	971.0	830.4	714.3	612.8	543.1	487.9	436.1	387.5	343.3
-30°	1037.2	925.9	808.9	709.4	618.5	551.6	499.5	452.0	407.6	364.5	325.0
-32.5°	846.1	759.7	682.9	603.5	546.5	502.3	459.1	417.5	377.9	340.6	307.3
-35°	696.3	634.5	574.7	528.9	488.8	453.8	420.9	383.8	348.2	317.5	291.1
-37.5°	576.2	538.8	501.6	465.6	434.8	406.9	380.8	350.3	321.7	296.7	276.5
-40°	495.7	467.4	437.9	408.9	384.4	362.7	340.9	321.3	298.4	279.4	262.8
-42.5°	426.4	404.3	382.2	360.5	339.3	322.8	307.4	293.5	279.2	263.8	251.2
-45°	368.0	352.3	336.1	319.2	302.3	289.7	279.4	270.1	262.2	250.9	241.9
-47.5°	322.0	310.2	297.0	283.9	272.0	262.5	255.7	249.7	245.3	240.7	233.2
-50°	282.1	272.2	262.4	253.8	246.1	239.1	234.3	231.0	230.2	231.2	217.8
-52.5°	247.5	240.1	232.8	227.2	221.8	216.6	212.9	211.8	211.2	209.4	198.1
-55°	217.2	211.5	205.2	201.2	197.3	192.4	186.6	184.7	183.9	184.0	180.6
-57.5°	188.9	184.3	179.0	174.7	170.1	163.4	155.3	156.2	158.7	161.1	160.3
-60°	162.2	158.0	153.2	148.6	144.0	138.2	131.7	132.2	136.0	136.9	133.6
-62.5°	138.8	135.1	130.7	126.2	122.2	117.9	113.4	111.5	113.1	110.8	103.8
-65°	116.8	113.8	110.7	107.4	104.5	100.7	95.7	90.9	90.2	86.7	81.9
-67.5°	97.4	95.5	93.0	90.1	87.0	83.5	79.6	75.7	73.3	70.6	67.7
-70°	79.4	77.7	75.6	73.0	70.2	67.2	64.2	61.2	58.9	56.9	54.5
-72.5°	59.4	58.0	56.6	55.0	53.2	51.3	49.4	47.3	45.5	44.0	42.2
-75°	41.1	40.5	39.8	39.0	38.0	36.8	35.4	33.8	32.5	31.5	29.9
-77.5°	25.2	25.0	24.8	24.5	24.0	23.4	22.6	21.7	20.9	20.2	19.4
-80°	11.8	11.9	12.0	12.1	11.9	11.8	11.5	11.2	10.8	10.5	10.1
-82.5°	3.6	3.6	3.7	3.7	3.7	3.8	3.9	3.8	3.8	3.9	4.1
-85°	0.2	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.8	0.8
-87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
-90°	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
87.5°	5.7	5.5	5.4	5.3	5.2	5.0	4.8	4.5	4.3	4.0	3.5
85°	10.8	10.2	9.8	9.4	8.9	8.5	8.0	7.4	6.8	6.2	5.5
82.5°	17.7	16.6	15.8	15.0	14.1	13.2	12.1	11.1	10.0	8.9	7.5
80°	25.7	24.0	22.8	21.6	20.3	18.8	17.2	15.5	13.9	12.2	10.1
77.5°	34.6	32.4	30.6	28.9	27.0	25.0	22.8	20.6	18.3	15.9	13.0
75°	43.9	41.1	39.0	36.7	34.3	31.7	28.8	26.0	23.1	19.9	16.3
72.5°	53.6	50.5	47.8	44.8	41.8	38.7	35.2	31.7	28.1	24.1	19.7
70°	63.7	60.0	56.7	53.1	49.7	45.8	41.8	37.7	33.4	28.5	23.3
67.5°	73.9	69.9	66.0	61.8	57.4	53.2	48.5	43.8	38.8	33.0	26.9
65°	84.5	80.1	75.3	70.5	65.6	60.5	55.4	49.9	44.4	37.5	30.6
62.5°	97.0	91.9	86.0	79.6	73.6	68.0	62.1	56.2	49.9	42.1	34.3
60°	110.0	105.1	98.4	90.7	82.5	75.3	68.9	62.4	55.4	46.4	38.1
57.5°	124.3	118.8	111.9	103.4	92.8	83.3	75.5	68.4	60.4	50.9	41.8
55°	139.7	133.5	126.1	116.8	104.0	92.1	82.4	74.2	65.2	55.2	45.3
52.5°	156.0	148.8	140.7	130.8	116.8	101.9	89.7	80.2	69.8	59.2	48.7
50°	175.5	165.2	155.6	145.4	131.1	113.6	97.5	85.9	74.1	63.1	52.1
47.5°	197.3	184.6	171.6	160.4	146.3	127.2	107.1	91.3	78.4	66.8	55.4
45°	216.8	206.0	189.3	175.6	161.7	142.3	118.8	97.2	82.9	70.3	58.4
42.5°	232.3	223.7	207.7	190.4	176.6	157.8	130.6	104.2	87.2	73.6	61.3
40°	246.0	235.9	223.1	205.7	190.0	172.9	141.0	111.8	91.6	76.8	64.1
37.5°	259.8	245.5	234.7	220.0	202.5	182.4	149.5	119.1	96.3	80.2	66.6
35°	274.9	256.3	243.5	231.4	214.6	186.9	155.9	125.5	101.0	83.5	68.8
32.5°	291.3	268.3	251.6	240.3	220.0	190.3	160.3	130.3	105.4	86.5	71.2
30°	308.6	281.6	260.7	245.0	224.1	193.9	163.4	133.7	109.1	89.4	73.7
27.5°	327.9	295.8	269.2	247.2	227.6	197.8	165.4	135.9	111.9	92.5	76.3
25°	348.0	308.6	275.6	250.3	230.2	201.7	167.1	136.9	113.8	95.9	78.8
22.5°	366.2	319.1	282.4	253.7	232.1	205.0	168.7	137.0	117.0	99.3	81.0
20°	379.8	329.2	288.5	257.1	233.5	207.7	170.3	140.4	119.7	102.4	83.1
17.5°	392.1	338.0	294.0	260.3	234.7	209.8	174.5	143.8	122.0	105.3	85.0
15°	402.6	345.6	299.1	263.3	236.1	211.3	177.9	146.5	124.0	107.9	86.7
12.5°	411.2	352.0	304.1	267.1	237.6	212.0	180.1	148.8	125.7	110.1	88.3
10°	418.8	359.1	309.8	270.6	238.9	212.0	181.2	150.4	127.0	111.9	89.7
7.5°	425.9	364.7	314.2	273.2	239.7	211.3	181.2	151.4	127.9	113.3	90.8
5°	430.5	368.3	317.1	275.0	240.0	210.1	180.3	151.8	128.4	114.4	91.7
2.5°	432.5	369.7	318.5	275.6	239.4	208.3	178.7	151.6	128.6	115.3	92.2
0°	431.7	369.0	318.3	275.2	238.1	205.8	176.3	150.8	128.4	115.8	92.5
-2.5°	428.7	366.8	316.5	273.7	237.1	205.3	176.1	150.7	128.3	115.9	92.2
-5°	423.0	362.7	313.3	271.1	235.2	204.0	175.3	150.0	127.8	115.7	91.7
-7.5°	414.7	356.5	308.5	267.3	232.5	201.9	174.0	148.8	127.0	115.1	90.8
-10°	404.1	348.7	302.4	262.4	228.9	199.2	172.1	147.1	126.0	114.3	89.5
-12.5°	392.1	339.7	294.9	256.5	224.7	195.8	169.7	144.9	124.6	113.2	88.0
-15°	379.2	330.1	287.3	250.5	219.8	191.9	166.7	142.3	123.2	111.2	86.3
-17.5°	364.8	319.2	279.6	245.5	215.5	187.5	163.3	139.4	121.8	108.6	84.5
-20°	349.9	308.0	271.4	239.9	211.5	184.1	159.3	136.2	120.5	105.2	82.4

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	334.4	296.5	263.2	234.2	207.0	180.0	154.9	132.7	119.8	101.3	80.2
-25°	319.7	285.1	255.0	228.1	201.9	174.8	149.6	128.9	119.0	97.1	77.8
-27.5°	305.8	274.1	246.7	221.7	196.0	168.6	144.0	125.1	116.0	92.9	75.1
-30°	292.0	264.4	239.4	214.9	188.6	161.2	138.2	121.7	110.7	88.6	72.4
-32.5°	279.3	255.0	232.5	208.3	179.4	153.0	132.3	118.6	103.7	84.2	69.8
-35°	268.0	246.9	226.5	201.6	169.2	144.9	126.3	114.9	96.8	80.0	66.9
-37.5°	258.1	240.2	221.1	192.7	161.3	136.8	121.1	108.7	90.4	75.6	63.6
-40°	249.8	235.5	213.3	182.6	154.1	129.8	115.7	100.5	84.5	71.3	60.2
-42.5°	241.7	229.7	201.9	172.6	147.0	125.1	108.1	92.6	78.8	67.2	56.6
-45°	233.3	216.2	189.4	163.3	139.5	119.5	99.2	85.4	73.4	62.8	52.9
-47.5°	218.6	198.5	178.0	153.8	131.7	111.1	92.0	78.7	68.0	58.4	49.1
-50°	199.8	182.6	165.2	143.2	121.7	101.2	84.6	72.2	62.7	53.8	45.2
-52.5°	182.9	167.0	149.8	130.4	109.4	91.1	76.6	66.0	57.2	49.2	41.3
-55°	165.8	149.4	132.3	115.5	96.4	80.5	69.4	59.9	51.9	44.7	37.4
-57.5°	145.4	128.7	112.3	98.4	82.8	71.4	62.2	53.8	46.6	40.1	33.6
-60°	120.4	105.1	92.9	81.5	71.7	63.0	54.9	47.8	41.5	35.4	29.8
-62.5°	94.4	85.3	76.9	69.6	62.1	54.5	47.9	42.0	36.1	31.0	25.9
-65°	77.2	71.3	65.3	58.9	52.6	46.7	41.4	36.0	30.9	26.5	22.2
-67.5°	64.4	59.4	54.1	49.0	44.0	39.4	34.5	30.0	25.9	22.1	18.6
-70°	52.0	48.4	43.9	39.8	35.7	31.6	27.8	24.2	21.0	18.0	15.1
-72.5°	40.1	37.4	33.7	30.3	27.4	24.2	21.4	18.9	16.5	14.1	12.0
-75°	28.1	26.2	24.1	21.8	19.7	17.6	15.9	14.0	12.2	10.7	9.2
-77.5°	18.4	17.3	15.8	14.4	13.1	11.9	10.6	9.6	8.7	7.8	6.8
-80°	9.7	9.2	8.8	8.3	7.5	6.9	6.6	6.2	5.8	5.3	4.7
-82.5°	4.2	4.2	4.1	3.9	3.6	3.5	3.4	3.4	3.2	2.8	2.8
-85°	0.8	0.8	1.0	1.1	1.1	1.1	1.3	1.4	1.4	1.4	1.5
-87.5°	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7
-90°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.4	0.4	0.5	0.7	0.8	1.0	1.1
87.5°	3.0	2.6	2.2	1.9	1.6	1.4	1.1
85°	4.7	3.9	3.1	2.5	2.0	1.5	1.1
82.5°	6.4	5.3	4.2	3.2	2.4	1.7	1.1
80°	8.2	6.7	5.4	4.1	2.8	1.8	1.1
77.5°	10.5	8.2	6.5	4.9	3.3	2.0	1.1
75°	13.0	10.0	7.5	5.7	3.9	2.2	1.1
72.5°	15.7	12.0	8.8	6.5	4.5	2.4	1.1
70°	18.4	14.1	10.3	7.3	5.0	2.6	1.1
67.5°	21.3	16.3	11.8	8.2	5.5	2.8	1.1
65°	24.2	18.4	13.5	9.2	6.0	3.1	1.1
62.5°	27.2	20.7	15.1	10.1	6.5	3.4	1.1
60°	30.2	22.9	16.6	11.2	7.0	3.6	1.1
57.5°	33.1	25.1	18.3	12.3	7.5	3.9	1.1
55°	36.1	27.3	20.0	13.4	8.0	4.1	1.1
52.5°	38.9	29.6	21.6	14.5	8.5	4.4	1.1
50°	41.6	31.8	23.2	15.5	9.0	4.6	1.1
47.5°	44.2	34.1	24.8	16.6	9.5	4.8	1.1
45°	46.6	36.2	26.4	17.7	10.1	5.0	1.1
42.5°	49.1	38.3	27.9	18.7	10.6	5.1	1.1
40°	51.6	40.3	29.5	19.6	11.2	5.3	1.1
37.5°	54.0	42.2	30.9	20.6	11.7	5.5	1.1
35°	56.3	44.0	32.3	21.5	12.2	5.6	1.1
32.5°	58.5	45.7	33.6	22.3	12.6	5.8	1.1
30°	60.6	47.3	34.8	23.1	13.1	5.9	1.1
27.5°	62.6	48.9	36.0	23.8	13.5	6.0	1.1
25°	64.4	50.3	37.0	24.5	13.8	6.2	1.1
22.5°	66.0	51.6	37.9	25.1	14.2	6.3	1.1
20°	67.5	52.8	38.8	25.7	14.5	6.4	1.1
17.5°	68.8	53.8	39.5	26.2	14.8	6.4	1.1
15°	70.0	54.7	40.2	26.6	15.0	6.5	1.1
12.5°	71.0	55.5	40.7	27.0	15.2	6.6	1.1
10°	71.8	56.2	41.2	27.3	15.4	6.6	1.1
7.5°	72.5	56.6	41.5	27.5	15.5	6.7	1.1
5°	73.0	57.0	41.8	27.6	15.6	6.7	1.1
2.5°	73.3	57.2	41.9	27.7	15.6	6.7	1.1
0°	73.4	57.2	41.9	27.7	15.6	6.7	1.1
-2.5°	73.2	57.0	41.8	27.6	15.5	6.7	1.1
-5°	72.8	56.7	41.5	27.4	15.4	6.6	1.1
-7.5°	72.2	56.3	41.1	27.2	15.3	6.6	1.1
-10°	71.4	55.6	40.7	26.9	15.1	6.5	1.1
-12.5°	70.5	54.9	40.1	26.5	14.9	6.5	1.1
-15°	69.3	53.9	39.4	26.0	14.6	6.4	1.1
-17.5°	68.0	52.9	38.5	25.5	14.3	6.3	1.1
-20°	66.6	51.7	37.7	24.8	13.9	6.2	1.1

REPORT NUMBER: P1217541 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: TRX30S-BK-4000K-5H5V

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	64.9	50.3	36.7	24.2	13.5	6.1	1.1
-25°	63.1	48.9	35.6	23.5	13.1	5.9	1.1
-27.5°	61.2	47.2	34.5	22.7	12.7	5.8	1.1
-30°	59.0	45.5	33.2	21.8	12.2	5.6	1.1
-32.5°	56.7	43.7	31.9	20.9	11.8	5.5	1.1
-35°	54.3	41.8	30.5	20.0	11.2	5.3	1.1
-37.5°	51.6	39.8	28.9	19.0	10.7	5.1	1.1
-40°	48.9	37.7	27.3	18.0	10.1	4.9	1.1
-42.5°	46.0	35.6	25.7	16.9	9.6	4.8	1.1
-45°	42.9	33.4	24.0	15.8	9.0	4.6	1.1
-47.5°	39.8	31.1	22.3	14.7	8.5	4.4	1.1
-50°	36.7	28.7	20.6	13.6	8.0	4.1	1.1
-52.5°	33.7	26.3	18.9	12.5	7.4	3.9	1.1
-55°	30.6	23.8	17.1	11.4	7.0	3.7	1.1
-57.5°	27.4	21.3	15.4	10.3	6.5	3.4	1.1
-60°	24.2	18.8	13.7	9.2	6.0	3.2	1.1
-62.5°	21.1	16.4	12.1	8.2	5.5	2.9	1.1
-65°	18.0	14.1	10.5	7.3	5.0	2.7	1.1
-67.5°	15.1	12.0	9.0	6.5	4.4	2.4	1.1
-70°	12.5	10.0	7.5	5.7	3.9	2.3	1.1
-72.5°	10.0	8.1	6.4	4.9	3.4	2.1	1.1
-75°	7.8	6.4	5.3	4.1	2.9	1.9	1.1
-77.5°	5.9	5.0	4.2	3.3	2.4	1.7	1.1
-80°	4.1	3.7	3.2	2.6	2.0	1.5	1.1
-82.5°	2.7	2.5	2.2	1.9	1.6	1.4	1.1
-85°	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-87.5°	0.8	0.9	0.9	1.0	1.1	1.1	1.1
-90°	1.7	1.6	1.5	1.4	1.3	1.2	1.1

(END OF REPORT)