

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: HALO

Report Number: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-LO-3000K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ()
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: BKHDR150CLD2D-LO-3000K
Description: BULK HEAD 2100LM SEL 5CCT UNV D2D BRONZE at 3000K CCT

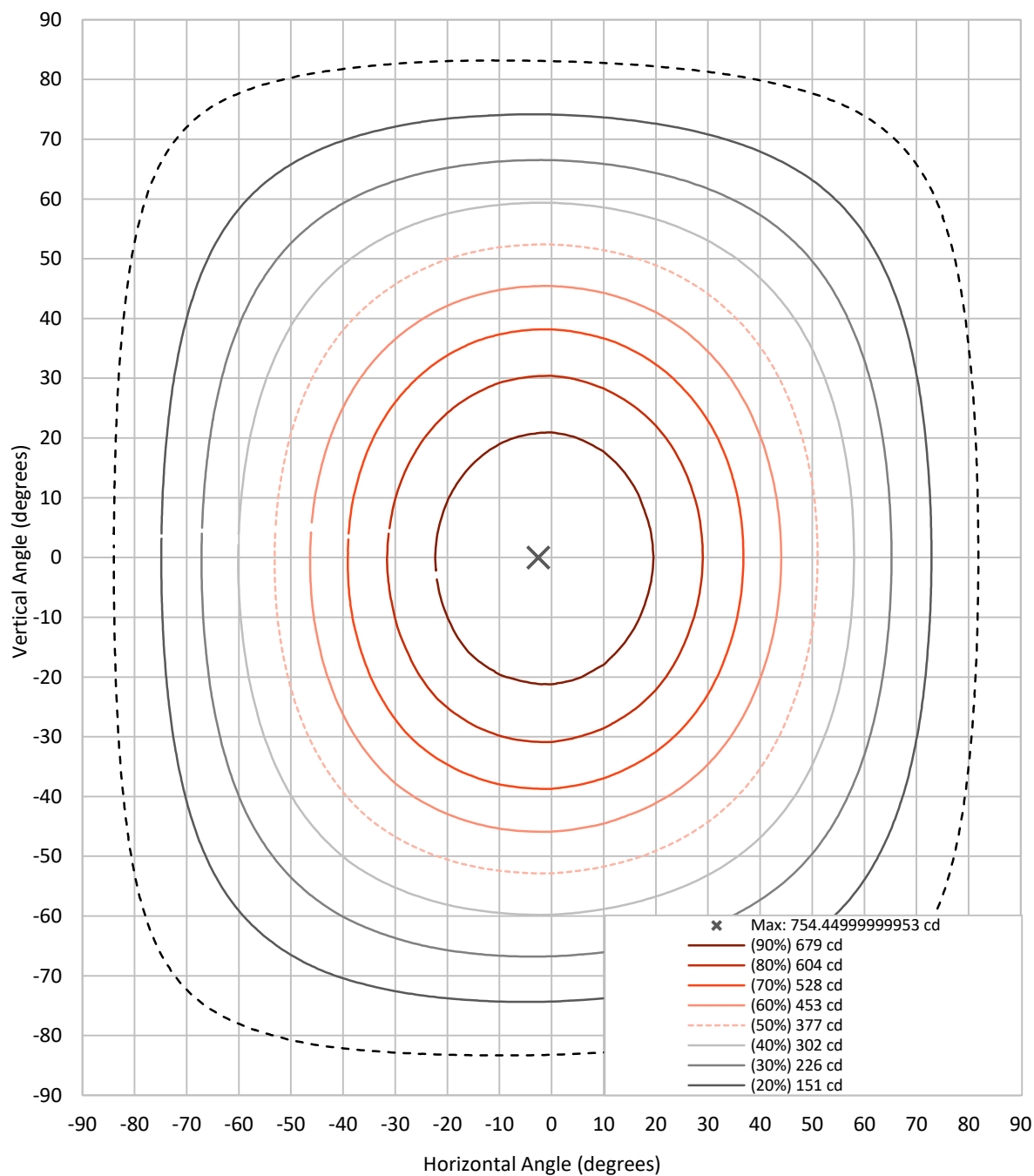
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	2043.7 lumens	Max Intensity:	754.4 candela
Efficiency:	97.9%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	113.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.76' x H: 0')		
Beam Angle (50%):	104.2°H x 105.3°V	Field Angle (10%):	165.8°H x 166.4°V
Beam Lumens:	1351.2 lumens	Field Lumens:	2002.5 lumens
Beam Efficiency:	66.1%	Field Efficiency:	98.0%
Input Watts (W):	18		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	>0.9		
Total Harmonic Distortion (THDi):	<20		
Frequency (hertz):	60		
Stabilization Time:	HR		
Operation Time:	HR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

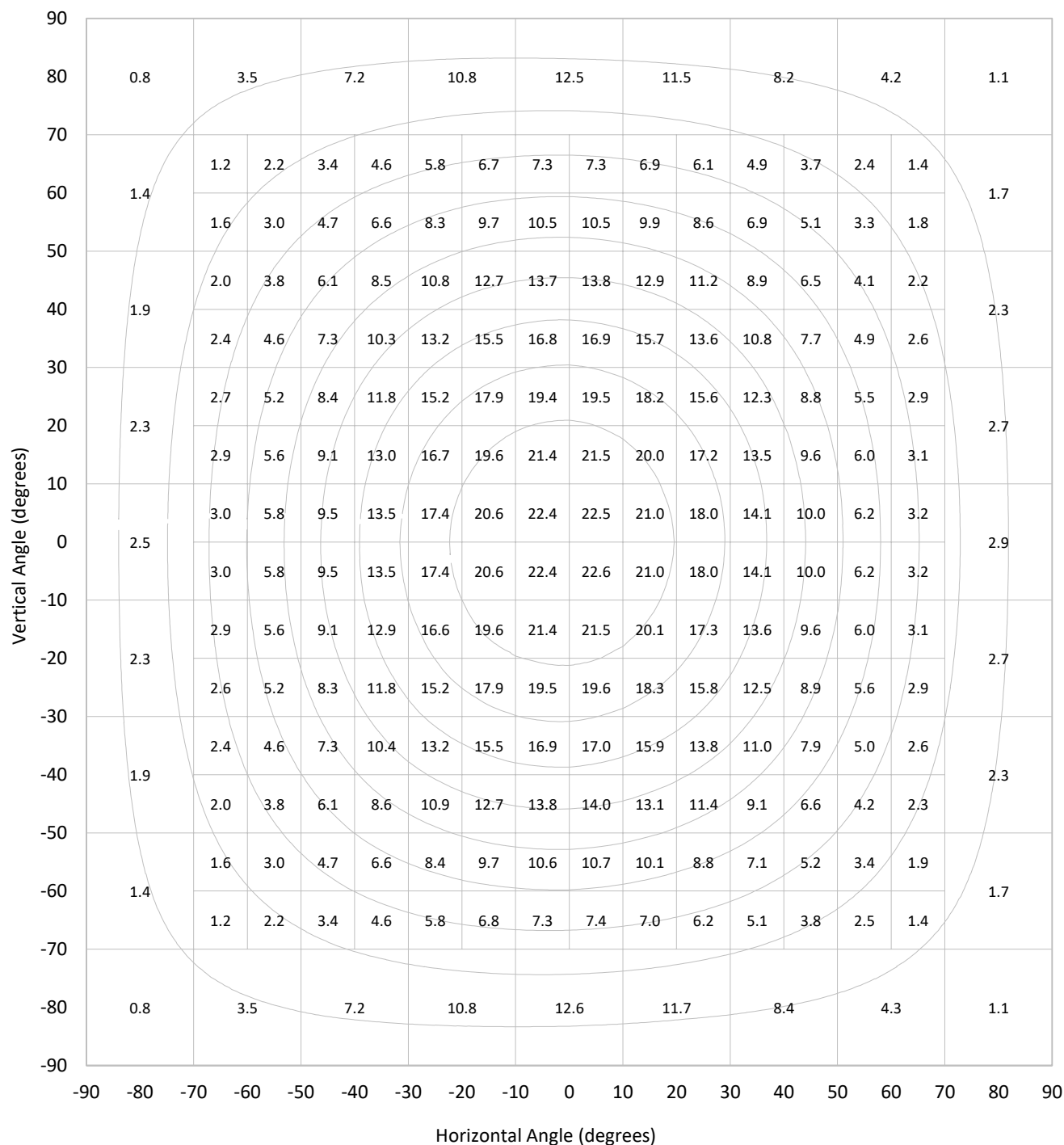
REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

Iso-Candela Plot



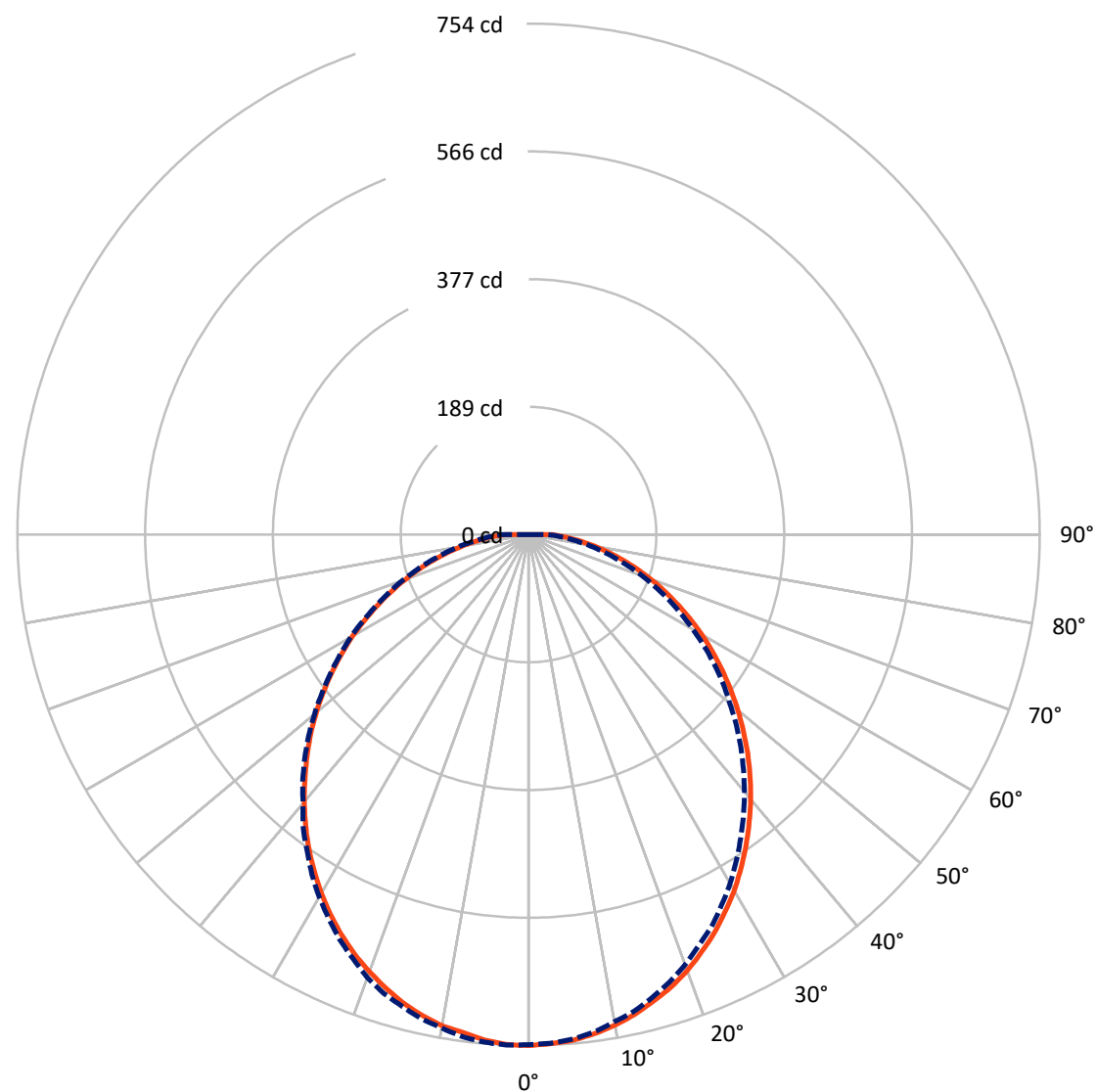
REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

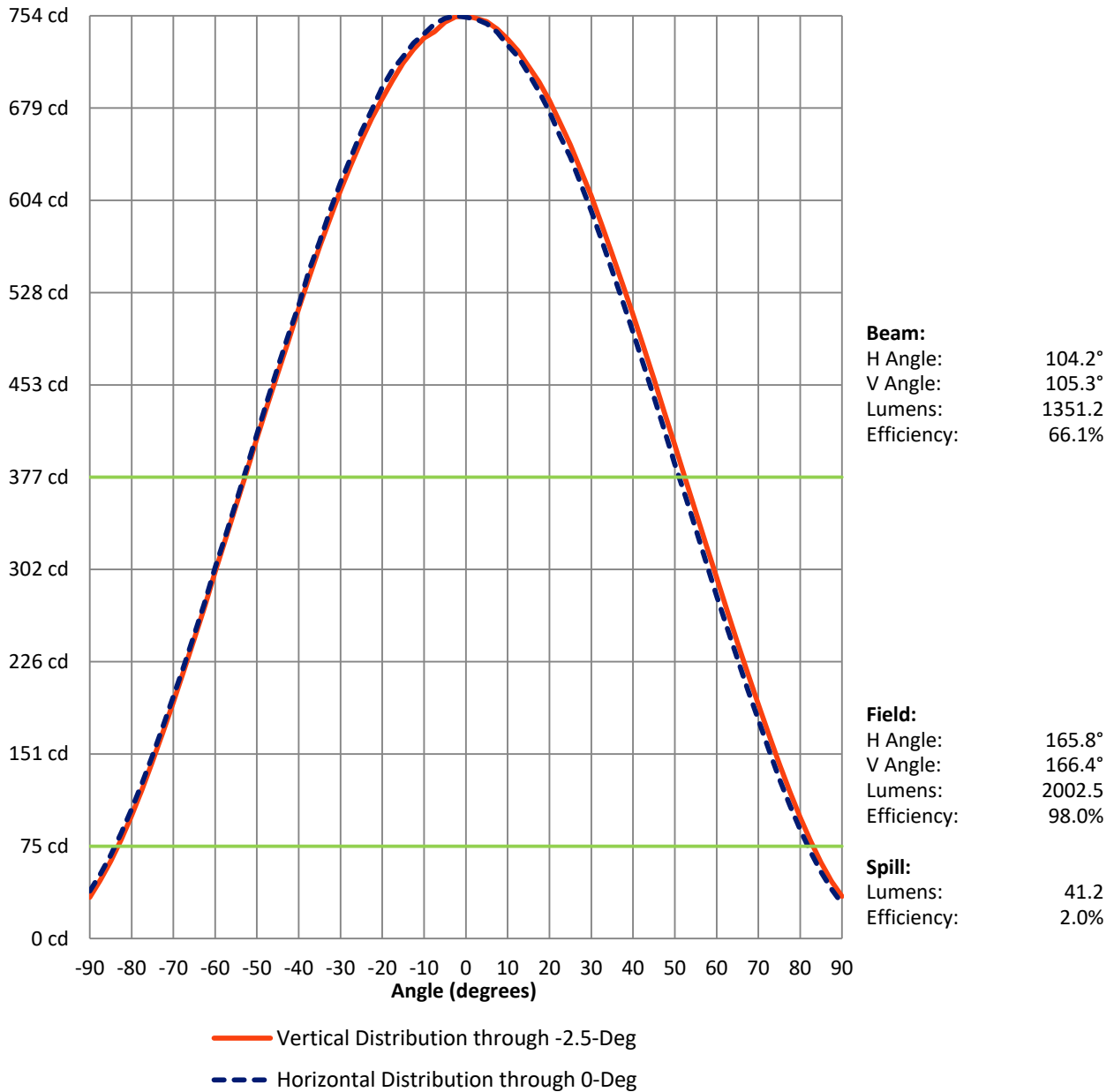
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

Luminous Intensity Plot



REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	38.8	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.1
87.5°	38.8	39.4	39.9	40.5	41.1	41.6	42.2	42.7	43.3	43.8	44.2
85°	38.8	40.0	41.1	42.2	43.4	44.5	45.6	46.8	47.9	49.0	50.0
82.5°	38.8	40.5	42.2	43.9	45.7	47.4	49.2	51.0	52.8	54.5	56.2
80°	38.8	41.1	43.4	45.7	48.1	50.4	52.9	55.3	57.8	60.3	62.7
77.5°	38.8	41.7	44.5	47.5	50.4	53.5	56.6	59.9	63.1	66.5	69.7
75°	38.8	42.2	45.7	49.2	52.9	56.7	60.5	64.6	68.6	72.8	76.9
72.5°	38.8	42.8	46.8	51.0	55.3	59.9	64.6	69.4	74.4	79.3	84.3
70°	38.8	43.3	48.0	52.8	57.9	63.2	68.6	74.4	80.1	86.0	91.9
67.5°	38.8	43.9	49.1	54.6	60.4	66.5	72.9	79.4	86.0	92.9	99.8
65°	38.8	44.4	50.2	56.4	62.9	69.8	77.1	84.4	92.1	99.9	107.8
62.5°	38.8	44.9	51.4	58.2	65.5	73.3	81.2	89.5	98.1	106.9	115.9
60°	38.8	45.5	52.5	60.0	68.0	76.6	85.5	94.7	104.2	114.0	123.9
57.5°	38.8	46.0	53.5	61.7	70.6	80.0	89.6	99.9	110.4	121.1	132.0
55°	38.8	46.5	54.6	63.5	73.1	83.2	93.9	105.0	116.5	128.2	140.1
52.5°	38.8	47.0	55.6	65.2	75.6	86.5	98.0	110.1	122.4	135.2	148.2
50°	38.8	47.4	56.7	66.9	78.1	89.7	102.1	115.1	128.4	142.1	156.1
47.5°	38.8	47.9	57.7	68.5	80.4	92.9	106.1	120.0	134.3	149.0	163.9
45°	38.8	48.3	58.7	70.2	82.7	96.0	110.1	124.8	139.9	155.6	171.5
42.5°	38.8	48.7	59.6	71.8	85.0	99.0	113.9	129.5	145.6	162.1	178.8
40°	38.8	49.1	60.5	73.3	87.1	101.9	117.6	134.0	151.0	168.4	186.0
37.5°	38.8	49.5	61.4	74.8	89.1	104.7	121.1	138.3	156.1	174.4	193.0
35°	38.8	49.9	62.2	76.2	91.1	107.4	124.5	142.5	161.1	180.1	199.6
32.5°	38.8	50.2	63.0	77.5	93.0	109.9	127.8	146.4	165.9	185.6	205.9
30°	38.8	50.6	63.7	78.7	94.8	112.3	130.8	150.2	170.3	190.8	211.8
27.5°	38.8	50.9	64.4	79.8	96.5	114.6	133.7	153.7	174.4	195.8	217.2
25°	38.8	51.1	65.0	80.9	98.0	116.6	136.3	156.9	178.2	200.3	222.4
22.5°	38.8	51.4	65.6	81.8	99.4	118.5	138.7	159.9	181.8	204.4	227.1
20°	38.8	51.6	66.1	82.7	100.7	120.2	140.9	162.6	185.0	208.1	231.3
17.5°	38.8	51.8	66.6	83.5	101.9	121.7	142.9	165.1	187.9	211.4	235.1
15°	38.8	52.0	67.0	84.2	102.9	123.1	144.6	167.3	190.5	214.3	238.4
12.5°	38.8	52.2	67.3	84.8	103.7	124.2	146.1	169.1	192.7	216.7	241.4
10°	38.8	52.3	67.6	85.2	104.4	125.2	147.3	170.6	194.5	218.8	243.9
7.5°	38.8	52.4	67.8	85.6	105.0	126.0	148.2	171.7	196.0	220.4	245.8
5°	38.8	52.4	68.0	85.9	105.4	126.5	148.9	172.6	197.0	221.6	247.2
2.5°	38.8	52.5	68.1	86.0	105.6	126.8	149.4	173.1	197.7	222.3	248.1
0°	38.8	52.5	68.1	86.1	105.7	126.9	149.5	173.3	197.9	222.6	248.4
-2.5°	38.8	52.5	68.1	86.1	105.6	126.9	149.4	173.2	197.8	222.5	248.4
-5°	38.8	52.4	68.0	85.9	105.4	126.6	149.1	172.8	197.4	222.0	247.8
-7.5°	38.8	52.4	67.8	85.7	105.1	126.1	148.5	172.1	196.5	221.0	246.6
-10°	38.8	52.3	67.6	85.3	104.5	125.4	147.6	171.0	195.2	219.5	244.9
-12.5°	38.8	52.2	67.4	84.8	103.9	124.5	146.5	169.7	193.6	217.7	242.7
-15°	38.8	52.0	67.0	84.3	103.0	123.3	145.1	167.9	191.6	215.4	239.8
-17.5°	38.8	51.8	66.6	83.6	102.1	122.0	143.4	165.9	189.1	212.7	236.7
-20°	38.8	51.6	66.2	82.8	100.9	120.6	141.5	163.5	186.4	209.6	233.2

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	38.8	51.4	65.7	81.9	99.6	118.9	139.4	160.8	183.2	206.1	229.2
-25°	38.8	51.1	65.1	81.0	98.2	117.0	137.0	157.9	179.7	202.2	224.6
-27.5°	38.8	50.9	64.5	80.0	96.7	114.9	134.4	154.8	175.9	197.9	219.5
-30°	38.8	50.6	63.8	78.8	95.1	112.7	131.5	151.4	171.8	193.1	214.2
-32.5°	38.8	50.2	63.1	77.6	93.3	110.4	128.5	147.7	167.4	188.0	208.5
-35°	38.8	49.9	62.3	76.3	91.4	107.8	125.3	143.7	162.7	182.4	202.5
-37.5°	38.8	49.5	61.4	74.9	89.4	105.2	121.9	139.5	157.8	176.6	196.1
-40°	38.8	49.1	60.6	73.5	87.4	102.4	118.3	135.1	152.7	170.5	189.3
-42.5°	38.8	48.7	59.7	71.9	85.2	99.4	114.6	130.6	147.3	164.3	181.8
-45°	38.8	48.3	58.8	70.4	83.0	96.4	110.8	125.9	141.7	157.8	174.2
-47.5°	38.8	47.9	57.8	68.7	80.7	93.4	106.8	121.0	135.8	151.2	166.5
-50°	38.8	47.4	56.8	67.1	78.3	90.2	102.8	116.0	129.8	144.3	158.8
-52.5°	38.8	47.0	55.7	65.4	75.9	87.0	98.6	111.0	123.8	137.1	150.9
-55°	38.8	46.5	54.7	63.7	73.4	83.7	94.5	105.8	117.6	129.9	142.6
-57.5°	38.8	46.0	53.6	61.9	70.8	80.4	90.3	100.6	111.4	122.7	134.1
-60°	38.8	45.5	52.5	60.1	68.2	77.0	86.0	95.5	105.3	115.3	125.8
-62.5°	38.8	45.0	51.4	58.4	65.7	73.6	81.8	90.3	99.0	108.2	117.4
-65°	38.8	44.4	50.3	56.5	63.2	70.2	77.5	85.1	93.0	101.0	109.2
-67.5°	38.8	43.9	49.1	54.7	60.6	66.8	73.3	80.0	86.9	93.9	101.1
-70°	38.8	43.3	48.0	52.9	58.1	63.5	69.1	74.9	80.8	87.0	93.1
-72.5°	38.8	42.8	46.9	51.1	55.5	60.2	65.0	69.9	75.0	80.1	85.3
-75°	38.8	42.2	45.7	49.3	53.1	56.9	60.9	65.1	69.2	73.5	77.8
-77.5°	38.8	41.7	44.6	47.5	50.6	53.7	57.0	60.3	63.7	67.1	70.5
-80°	38.8	41.1	43.4	45.8	48.1	50.6	53.1	55.7	58.3	60.9	63.5
-82.5°	38.8	40.6	42.3	44.0	45.8	47.6	49.3	51.2	53.1	55.0	56.8
-85°	38.8	40.0	41.2	42.3	43.5	44.6	45.8	46.9	48.1	49.2	50.4
-87.5°	38.8	39.4	40.0	40.6	41.2	41.8	42.3	42.9	43.4	44.0	44.5
-90°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.6

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	39.0	39.0	39.0	38.9	38.9	38.9	38.8	38.8	38.5	38.3	38.0
87.5°	44.5	44.9	45.3	45.6	45.9	46.2	46.5	46.7	47.0	47.2	47.4
85°	51.0	51.9	52.8	53.7	54.6	55.5	56.4	57.2	58.0	58.7	59.4
82.5°	57.8	59.4	61.0	62.7	64.2	65.7	67.2	68.6	70.0	71.3	72.6
80°	65.2	67.5	69.9	72.2	74.5	76.7	78.9	81.0	83.1	85.1	87.0
77.5°	72.9	76.0	79.2	82.3	85.4	88.5	91.5	94.3	97.1	99.9	102.4
75°	80.9	84.9	88.9	93.0	96.9	100.8	104.6	108.3	111.9	115.5	118.9
72.5°	89.2	94.2	99.2	104.1	108.9	113.7	118.4	123.0	127.6	131.9	136.1
70°	97.8	103.7	109.7	115.5	121.3	127.1	132.8	138.2	143.9	149.3	154.4
67.5°	106.6	113.5	120.5	127.4	134.2	140.9	147.8	154.5	161.0	167.0	172.8
65°	115.6	123.5	131.5	139.3	147.4	155.4	163.1	170.7	178.0	184.8	191.5
62.5°	124.7	133.7	142.7	151.8	160.8	169.7	178.3	186.7	195.1	203.0	210.5
60°	133.9	143.9	154.1	164.1	174.1	183.9	193.6	203.1	212.3	221.1	229.6
57.5°	143.1	154.2	165.3	176.4	187.3	198.3	209.0	219.4	229.6	239.5	248.8
55°	152.3	164.4	176.5	188.6	200.7	212.6	224.3	235.8	246.9	257.8	268.3
52.5°	161.3	174.4	187.6	200.8	213.9	226.8	239.6	252.0	264.3	276.2	287.7
50°	170.2	184.3	198.6	212.8	226.9	240.9	254.6	268.2	281.5	294.5	306.7
47.5°	178.9	194.1	209.4	224.6	239.8	254.7	269.6	284.4	298.7	312.4	325.6
45°	187.5	203.7	220.0	236.2	252.3	268.3	284.5	300.4	315.4	330.1	344.2
42.5°	195.9	213.0	230.2	247.5	264.5	281.8	299.3	315.7	331.8	347.4	362.4
40°	204.0	222.0	240.2	258.2	276.5	295.4	313.2	330.6	347.7	364.2	380.3
37.5°	211.8	230.7	249.8	268.8	288.6	308.1	326.8	345.2	363.1	380.7	397.9
35°	219.2	239.0	258.9	279.0	300.3	320.2	339.8	359.1	378.1	396.8	414.9
32.5°	226.3	247.0	267.8	289.4	310.9	331.6	352.3	372.5	392.5	412.1	431.1
30°	232.9	254.5	276.1	299.2	321.0	342.7	364.0	385.3	406.3	426.8	446.6
27.5°	239.1	261.6	284.3	308.0	330.3	353.0	375.3	397.5	419.3	440.5	461.1
25°	245.1	268.2	292.2	316.0	339.3	362.5	385.7	408.8	431.4	453.4	474.8
22.5°	250.5	274.2	299.4	323.4	347.5	371.4	395.4	419.3	442.6	465.2	487.5
20°	255.4	279.5	305.7	329.9	354.8	379.7	404.3	428.8	452.9	476.3	499.3
17.5°	259.8	284.8	311.3	335.9	361.3	386.6	412.3	437.4	462.0	485.9	509.6
15°	263.8	289.6	316.0	341.5	367.1	393.1	419.3	445.1	470.0	494.7	518.6
12.5°	267.2	293.6	320.1	346.3	372.4	398.9	425.4	451.9	477.0	502.2	526.5
10°	270.0	297.0	323.4	350.0	376.8	403.6	430.5	457.6	482.6	508.5	533.3
7.5°	272.0	299.6	326.0	352.9	380.1	407.3	434.5	461.6	487.0	512.8	538.7
5°	273.5	301.6	327.8	354.9	382.4	410.0	437.5	464.5	490.3	515.7	542.7
2.5°	274.4	302.8	329.0	356.2	383.8	411.7	439.4	466.3	492.4	517.3	545.4
0°	274.8	303.3	329.4	356.7	384.3	412.4	440.1	467.1	493.2	517.7	546.4
-2.5°	274.8	303.1	329.3	356.6	384.2	412.2	439.9	466.8	493.0	517.7	545.8
-5°	274.1	302.1	328.5	355.7	383.2	410.9	438.7	465.5	491.5	516.6	543.6
-7.5°	272.9	300.5	327.0	353.9	381.4	408.7	436.4	463.0	488.8	514.3	540.1
-10°	271.1	298.1	324.7	351.3	378.4	405.5	432.9	459.3	484.7	510.6	535.1
-12.5°	268.6	295.0	321.6	347.9	374.5	401.2	428.1	454.2	479.3	504.9	528.8
-15°	265.6	291.3	317.8	343.5	369.8	395.9	422.3	448.0	472.9	498.1	521.4
-17.5°	262.0	287.2	313.2	338.5	364.3	389.8	415.8	441.6	465.4	490.1	513.3
-20°	258.0	282.5	308.0	332.8	357.9	383.1	408.3	433.7	456.6	480.2	503.9

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	253.3	277.3	302.0	326.5	350.6	375.5	399.9	423.9	447.3	470.1	492.8
-25°	248.0	271.3	295.1	319.1	342.9	367.0	390.5	414.0	438.0	458.6	480.0
-27.5°	242.0	265.2	288.2	311.3	334.5	357.4	380.3	403.1	425.1	446.9	467.5
-30°	235.9	258.5	280.7	302.9	325.3	347.0	369.8	391.2	412.6	433.8	453.6
-32.5°	229.5	251.3	272.1	293.5	314.9	336.8	357.8	378.8	399.3	419.1	439.1
-35°	222.3	242.9	263.9	285.0	304.8	325.4	345.4	365.8	385.1	404.2	422.6
-37.5°	215.0	234.7	255.1	273.9	293.6	313.1	332.9	351.5	370.6	388.6	406.2
-40°	207.5	226.0	245.0	264.0	282.7	300.7	319.1	337.4	355.1	372.5	389.1
-42.5°	199.7	216.9	234.9	253.2	270.1	288.1	305.2	322.5	339.2	355.6	371.4
-45°	191.5	207.9	224.4	241.1	258.2	274.0	290.9	306.9	323.1	338.2	353.2
-47.5°	182.5	198.6	213.8	229.5	245.2	260.7	275.6	291.2	305.9	320.8	334.6
-50°	173.4	188.7	203.2	217.4	232.1	246.6	260.8	274.4	288.8	302.2	315.5
-52.5°	164.4	178.1	192.2	205.5	218.8	232.2	245.5	258.4	270.7	283.5	295.8
-55°	155.3	167.7	180.5	193.4	205.6	217.7	229.9	241.8	253.5	264.3	275.0
-57.5°	146.0	157.5	168.9	180.6	192.3	203.3	214.4	225.1	235.7	246.1	255.5
-60°	136.4	147.1	157.6	168.0	178.4	188.8	198.8	208.6	218.2	227.2	235.7
-62.5°	126.9	136.4	146.1	155.6	164.8	174.0	183.1	192.0	200.4	208.6	216.3
-65°	117.5	126.0	134.4	143.0	151.4	159.5	167.6	175.5	183.0	190.0	196.7
-67.5°	108.4	115.6	123.2	130.5	137.8	145.1	152.2	159.1	165.8	171.9	177.6
-70°	99.3	105.7	111.9	118.3	124.7	130.8	136.9	142.9	148.6	153.8	158.8
-72.5°	90.6	95.9	101.2	106.5	111.8	117.0	122.3	127.3	131.8	136.1	140.1
-75°	82.0	86.4	90.7	95.1	99.4	103.7	107.8	112.0	115.7	119.1	122.4
-77.5°	73.9	77.3	80.7	84.1	87.5	90.8	94.2	97.5	100.3	102.9	105.3
-80°	66.1	68.6	71.2	73.8	76.3	78.8	81.2	83.5	85.6	87.5	89.2
-82.5°	58.6	60.4	62.2	64.0	65.7	67.5	69.1	70.8	72.2	73.4	74.5
-85°	51.5	52.7	53.8	54.8	55.9	56.9	57.9	58.9	59.6	60.2	60.8
-87.5°	45.0	45.5	46.0	46.5	46.9	47.4	47.8	48.3	48.4	48.5	48.6
-90°	38.5	38.3	38.2	38.0	37.9	37.7	37.6	37.4	37.2	37.1	36.9

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	37.8	37.5	37.3	37.0	36.8	36.5	36.2	36.0	35.7	35.5	35.2
87.5°	47.6	47.8	48.0	48.1	48.2	48.3	48.2	48.1	48.0	47.8	47.6
85°	60.1	60.7	61.2	61.8	62.2	62.6	62.8	62.9	62.9	62.8	62.7
82.5°	73.8	74.9	76.0	76.9	77.8	78.6	79.1	79.5	79.8	80.0	80.1
80°	88.9	90.6	92.1	93.6	94.9	96.2	97.1	97.8	98.4	98.8	99.1
77.5°	104.9	107.3	109.5	111.6	113.6	115.4	116.8	117.9	118.8	119.5	120.0
75°	122.2	125.3	128.2	130.9	133.4	135.7	137.5	139.0	140.3	141.3	142.1
72.5°	140.2	144.1	147.7	151.1	154.1	156.8	159.0	161.0	162.6	164.1	165.2
70°	159.2	163.6	167.7	171.7	175.3	178.6	181.6	184.1	186.3	188.1	189.5
67.5°	178.4	183.5	188.5	193.2	197.4	201.3	204.7	207.7	210.3	212.4	214.1
65°	197.9	203.9	209.6	214.9	219.8	224.3	228.2	231.6	234.6	237.1	239.1
62.5°	217.7	224.5	230.9	236.9	242.5	247.7	252.4	256.5	259.9	262.7	264.9
60°	237.7	245.3	252.7	259.5	265.8	271.5	276.6	281.4	285.4	288.8	291.4
57.5°	257.9	266.5	274.5	282.3	289.6	296.3	302.5	307.7	311.8	315.1	317.8
55°	278.2	287.9	296.9	305.6	313.5	320.4	326.8	332.3	337.0	341.0	344.2
52.5°	298.5	309.1	318.8	327.9	336.4	344.3	351.7	357.8	362.7	367.2	370.9
50°	318.5	329.8	340.4	350.5	359.8	368.5	376.5	383.1	389.0	394.1	398.0
47.5°	338.3	350.4	362.0	372.9	383.0	392.6	401.3	408.8	414.4	419.5	424.0
45°	357.7	370.8	383.3	395.3	406.4	415.8	424.8	433.1	440.1	445.9	450.6
42.5°	376.9	391.1	404.6	416.9	428.5	439.4	449.3	458.0	465.5	471.6	476.3
40°	396.0	410.9	425.1	438.5	451.0	462.4	472.9	481.9	489.9	496.5	501.8
37.5°	414.5	430.2	445.2	459.3	472.6	484.7	495.6	505.4	514.7	521.0	526.5
35°	432.3	448.9	464.6	479.6	493.6	506.4	518.1	528.3	537.8	545.5	550.7
32.5°	449.4	466.7	483.5	499.3	513.8	527.2	539.8	550.5	559.6	567.9	574.4
30°	465.5	483.9	501.6	517.7	533.1	547.6	560.1	571.8	582.2	591.3	597.3
27.5°	481.0	500.4	518.3	535.5	551.7	566.6	580.1	592.4	601.9	610.3	617.6
25°	495.8	515.5	534.4	552.4	569.2	584.3	598.2	610.3	621.2	630.6	637.3
22.5°	509.0	529.7	549.5	568.0	585.1	600.7	615.2	628.1	638.8	648.6	656.7
20°	521.5	542.7	562.9	582.1	599.6	616.1	630.9	643.8	655.6	665.4	672.8
17.5°	532.6	554.4	575.2	594.7	613.0	629.8	644.8	658.4	670.1	680.1	687.8
15°	542.4	564.7	586.1	606.0	624.7	641.9	657.4	671.1	683.3	693.5	701.4
12.5°	551.1	573.4	595.4	615.8	635.0	652.5	668.1	682.4	694.7	705.2	713.8
10°	558.1	580.7	603.1	623.7	643.5	661.2	677.3	691.8	704.3	715.0	723.2
7.5°	563.4	586.6	609.2	630.0	650.0	668.3	684.4	699.4	711.9	722.3	730.9
5°	567.0	590.9	613.8	634.5	654.9	674.0	690.0	704.6	717.3	728.0	736.7
2.5°	569.1	593.8	616.7	637.6	658.2	676.6	693.9	708.4	720.1	731.0	739.6
0°	569.8	595.0	618.0	638.8	659.7	677.6	696.0	710.4	721.1	732.2	739.7
-2.5°	569.5	594.2	617.2	638.1	658.7	676.8	694.3	708.7	720.5	731.0	739.5
-5°	567.9	591.7	614.4	635.7	655.8	674.3	690.9	705.5	718.9	728.0	737.0
-7.5°	564.9	587.9	609.5	631.2	651.4	669.7	685.9	700.7	713.1	723.5	731.9
-10°	560.0	582.9	604.2	624.5	645.0	663.4	678.9	693.4	706.2	717.4	725.9
-12.5°	552.9	576.0	597.9	618.3	638.0	655.2	670.9	685.8	697.0	708.3	715.9
-15°	545.1	567.6	588.9	607.6	627.2	645.3	661.3	675.5	688.2	695.9	703.5
-17.5°	536.0	557.9	579.5	599.0	616.6	634.6	649.3	663.2	675.1	684.1	690.6
-20°	525.6	546.9	567.9	587.2	604.7	620.6	636.9	649.0	659.8	668.4	676.8

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	514.3	534.8	554.3	574.2	591.6	607.4	620.7	633.8	643.8	652.1	658.5
-25°	501.8	521.6	540.6	558.9	576.7	592.2	604.9	616.3	626.8	634.8	641.1
-27.5°	487.2	507.4	525.7	542.9	559.5	574.6	586.9	597.8	608.7	616.9	622.9
-30°	472.9	490.8	509.7	526.3	541.1	554.5	567.7	578.3	587.5	595.2	602.2
-32.5°	457.6	475.0	490.9	508.2	522.2	535.2	546.4	557.2	566.2	573.6	579.8
-35°	440.9	458.3	474.1	487.4	501.7	514.3	525.5	535.6	543.7	550.8	556.9
-37.5°	423.0	439.3	455.2	468.7	480.3	492.0	502.5	512.3	520.5	527.9	533.0
-40°	405.0	420.2	434.1	447.7	459.8	470.5	479.7	489.0	495.7	501.9	507.4
-42.5°	386.7	400.4	413.4	425.6	437.0	447.8	456.9	465.0	471.9	477.8	482.4
-45°	367.6	380.2	392.1	403.4	414.2	423.9	432.7	440.6	447.2	452.4	456.6
-47.5°	347.4	359.7	370.7	381.1	390.7	399.7	407.9	415.5	421.5	426.5	430.4
-50°	327.4	338.2	348.7	358.6	367.5	375.6	382.8	389.4	395.0	399.6	403.5
-52.5°	306.3	317.1	326.7	335.5	343.8	351.4	358.2	364.2	369.2	373.2	376.3
-55°	285.6	295.2	303.9	312.4	320.1	327.0	333.2	338.6	343.1	346.8	349.8
-57.5°	264.4	272.9	281.4	289.1	295.9	302.2	307.9	312.9	317.1	320.5	323.0
-60°	243.9	251.8	259.1	265.9	271.8	277.8	283.2	287.2	290.7	293.8	296.3
-62.5°	223.5	230.2	236.7	242.7	248.5	253.9	258.7	262.3	265.0	267.2	269.0
-65°	203.1	209.3	215.0	220.3	225.1	229.4	233.3	236.4	239.1	241.4	243.1
-67.5°	183.1	188.2	193.1	197.8	202.1	206.0	209.3	212.1	214.4	216.3	217.6
-70°	163.5	168.0	172.2	176.1	179.6	182.7	185.3	187.5	189.5	191.1	192.3
-72.5°	144.1	147.9	151.5	154.7	157.6	160.3	162.6	164.5	166.0	167.2	168.0
-75°	125.4	128.3	131.0	133.5	135.8	137.8	139.6	141.3	142.6	143.6	144.4
-77.5°	107.6	109.8	111.9	113.8	115.5	117.0	118.3	119.3	120.2	121.0	121.5
-80°	90.9	92.5	94.1	95.4	96.6	97.7	98.5	99.2	99.8	100.2	100.5
-82.5°	75.5	76.5	77.4	78.2	78.9	79.5	80.0	80.4	80.7	80.9	81.1
-85°	61.3	61.9	62.3	62.7	63.0	63.3	63.5	63.6	63.7	63.7	63.6
-87.5°	48.7	48.8	48.8	48.9	48.9	48.8	48.8	48.7	48.6	48.5	48.3
-90°	36.8	36.6	36.5	36.3	36.2	36.0	35.7	35.4	35.1	34.8	34.6

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	35.0	34.7	34.5	34.2	33.9	33.6	33.2	32.9	32.6	32.3	31.9
87.5°	47.3	47.1	46.8	46.5	46.2	45.9	45.5	45.2	44.8	44.4	44.0
85°	62.6	62.3	62.0	61.7	61.4	61.0	60.5	60.0	59.4	58.8	58.1
82.5°	80.0	79.9	79.7	79.3	78.9	78.4	77.8	77.0	76.2	75.3	74.3
80°	99.2	99.2	99.0	98.7	98.2	97.6	96.8	95.9	94.8	93.6	92.2
77.5°	120.3	120.4	120.3	120.0	119.4	118.7	117.7	116.5	115.2	113.7	111.9
75°	142.6	142.9	142.9	142.6	142.0	141.0	139.8	138.4	136.7	134.8	132.6
72.5°	166.1	166.6	166.8	166.7	165.9	164.7	163.3	161.5	159.4	157.0	154.4
70°	190.5	191.1	191.3	191.1	190.2	189.0	187.4	185.4	183.1	180.4	177.3
67.5°	215.3	216.1	216.4	216.3	215.4	214.0	212.3	210.1	207.4	204.3	200.7
65°	240.5	241.4	241.8	241.7	240.8	239.3	237.4	234.9	232.0	228.5	224.5
62.5°	266.6	267.7	268.3	268.2	267.2	265.5	263.3	260.5	257.1	253.1	248.6
60°	293.4	294.7	295.2	295.1	294.0	292.2	289.7	286.5	282.6	278.1	273.3
57.5°	319.8	321.2	321.8	321.7	320.7	319.0	316.5	313.3	309.3	304.6	299.2
55°	346.6	348.2	348.9	348.8	347.7	345.7	342.9	339.3	334.8	329.8	324.2
52.5°	373.5	375.2	376.0	375.9	374.7	372.7	369.6	365.7	360.8	355.2	349.1
50°	400.8	402.6	403.4	403.3	402.1	399.9	396.7	392.7	387.6	381.5	374.5
47.5°	427.3	429.3	430.2	430.2	429.0	426.8	423.6	419.0	413.2	406.5	399.2
45°	454.1	456.4	457.6	457.6	456.2	453.8	450.2	445.7	439.7	432.3	424.2
42.5°	479.8	482.5	484.0	484.2	482.5	479.6	475.4	470.6	464.7	457.3	448.8
40°	506.0	508.8	510.0	509.9	508.5	505.8	501.8	496.3	489.2	480.9	471.8
37.5°	530.8	533.6	535.0	535.0	533.3	530.0	525.3	520.1	513.7	505.6	495.4
35°	555.1	558.1	559.6	559.6	557.9	554.7	550.1	544.2	537.1	527.1	517.4
32.5°	579.2	582.2	583.6	583.4	581.6	578.2	573.3	567.0	558.9	549.5	539.2
30°	601.7	605.2	607.2	607.6	605.3	601.4	595.9	589.2	581.1	571.1	559.9
27.5°	623.1	626.7	628.1	627.9	626.0	622.5	617.0	610.2	601.0	590.8	579.7
25°	643.4	647.0	648.9	649.0	647.0	643.0	637.3	629.6	620.6	610.2	597.7
22.5°	662.5	665.5	667.2	667.3	665.2	661.4	655.7	648.2	638.9	627.4	615.1
20°	678.8	682.7	685.2	685.9	683.6	679.1	672.7	665.0	655.2	643.6	630.4
17.5°	694.9	698.1	700.5	700.7	698.4	694.1	687.9	680.6	670.1	658.5	644.1
15°	707.4	711.9	713.1	713.2	711.0	707.0	700.6	692.9	682.8	671.1	657.2
12.5°	719.2	723.4	725.7	726.0	723.4	719.4	713.0	704.2	693.9	681.2	667.7
10°	729.3	732.6	735.4	736.0	732.7	729.4	722.2	713.9	703.2	691.0	675.3
7.5°	737.2	741.7	743.6	743.7	740.3	736.9	730.4	721.5	710.9	697.6	681.9
5°	743.2	747.1	749.6	749.1	745.3	742.9	736.0	727.3	715.9	703.3	688.5
2.5°	746.4	750.5	752.3	751.3	749.8	744.9	738.5	730.1	719.8	706.4	691.6
0°	747.8	752.3	754.4	753.3	751.7	747.9	740.9	730.3	720.9	707.1	692.6
-2.5°	746.5	751.4	753.5	751.6	749.5	744.9	738.6	729.2	719.3	705.7	691.2
-5°	743.6	747.6	749.2	749.3	745.5	741.6	734.7	726.0	715.1	702.3	687.8
-7.5°	738.3	741.5	741.4	743.5	741.6	735.4	729.6	720.9	710.0	697.1	682.4
-10°	730.8	734.8	736.3	736.5	733.6	729.2	722.3	713.8	703.1	690.3	676.0
-12.5°	721.1	725.0	727.1	726.6	724.0	719.6	713.6	704.5	694.0	681.6	667.5
-15°	710.1	713.9	715.9	716.4	713.6	708.1	701.4	693.4	683.2	671.0	657.2
-17.5°	694.7	699.4	701.9	702.1	699.5	695.1	688.6	681.8	670.7	658.7	644.8
-20°	680.9	684.9	686.8	686.4	685.0	681.2	674.4	666.4	655.9	644.0	631.0

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	663.7	667.9	670.7	671.1	668.4	663.5	656.9	648.6	639.1	628.0	615.9
-25°	646.3	650.1	652.5	653.1	649.9	644.8	638.2	630.0	621.9	611.7	598.8
-27.5°	627.5	630.6	632.6	632.9	630.0	625.5	619.9	612.7	602.8	592.5	581.0
-30°	607.1	610.2	611.7	611.4	608.7	604.4	598.5	591.8	583.3	572.4	560.6
-32.5°	584.1	587.0	588.7	588.7	586.3	582.1	576.3	568.6	560.3	551.2	540.4
-35°	561.2	564.1	565.6	565.6	563.1	559.1	553.5	546.6	538.9	529.2	519.0
-37.5°	536.6	539.2	540.6	540.5	538.1	534.3	529.1	522.8	515.1	505.5	496.3
-40°	511.3	513.8	515.0	514.8	512.5	508.9	504.1	498.2	491.1	483.0	473.8
-42.5°	485.6	487.5	488.3	488.0	486.1	483.1	478.9	473.2	465.9	457.9	449.6
-45°	459.7	461.6	462.3	461.9	460.0	457.1	453.0	447.9	441.4	433.5	425.2
-47.5°	433.3	435.2	436.1	435.9	433.9	430.8	426.8	421.8	415.8	408.9	401.1
-50°	406.4	408.2	409.0	408.8	407.0	404.2	400.4	395.6	390.0	383.9	376.8
-52.5°	378.8	380.4	381.2	381.0	379.4	376.9	373.4	369.1	364.0	358.0	350.9
-55°	352.0	353.4	353.9	353.6	352.0	349.6	346.3	342.3	337.5	332.0	325.7
-57.5°	325.0	326.2	326.7	326.4	324.9	322.6	319.5	315.7	311.4	306.4	300.7
-60°	298.2	299.3	299.8	299.6	298.1	296.0	293.1	289.7	285.6	281.1	275.9
-62.5°	270.5	271.2	271.4	270.9	269.8	268.0	265.7	262.6	259.2	255.2	250.7
-65°	244.3	244.9	244.9	244.4	243.3	241.7	239.6	237.0	233.8	230.1	225.9
-67.5°	218.5	218.9	218.9	218.5	217.4	216.0	214.1	211.7	209.0	205.7	202.0
-70°	193.0	193.4	193.3	192.8	191.8	190.5	188.8	186.7	184.3	181.5	178.4
-72.5°	168.6	168.7	168.6	168.1	167.3	166.1	164.6	162.8	160.7	158.2	155.4
-75°	144.8	144.9	144.7	144.3	143.4	142.3	140.9	139.2	137.3	135.2	132.7
-77.5°	121.8	121.9	121.8	121.4	120.6	119.7	118.5	117.1	115.5	113.7	111.8
-80°	100.6	100.6	100.4	100.1	99.4	98.6	97.6	96.5	95.2	93.8	92.3
-82.5°	81.1	81.0	80.8	80.5	79.9	79.2	78.4	77.5	76.5	75.4	74.2
-85°	63.5	63.3	63.1	62.8	62.3	61.7	61.1	60.4	59.7	58.9	58.1
-87.5°	48.1	47.9	47.6	47.4	46.9	46.5	46.1	45.6	45.1	44.5	44.0
-90°	34.3	34.0	33.7	33.4	33.2	33.0	32.8	32.6	32.3	32.1	31.9

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	31.6	31.3	31.1	30.9	30.8	30.6	30.4	30.2	30.1	29.9	29.7
87.5°	43.5	43.0	42.5	42.0	41.5	41.0	40.4	39.8	39.2	38.7	38.1
85°	57.4	56.6	55.8	54.9	54.0	53.0	52.0	50.9	49.9	48.8	47.6
82.5°	73.2	72.0	70.7	69.3	67.9	66.4	64.9	63.2	61.6	60.0	58.2
80°	90.7	89.0	87.2	85.4	83.4	81.4	79.2	77.0	74.6	72.2	69.7
77.5°	110.0	107.9	105.6	103.1	100.4	97.7	94.8	91.8	88.8	85.6	82.4
75°	130.2	127.6	124.7	121.6	118.3	115.0	111.5	107.8	103.8	99.7	95.8
72.5°	151.6	148.5	145.1	141.4	137.4	133.3	128.9	124.4	119.6	114.7	110.1
70°	173.9	170.2	166.3	162.0	157.3	152.5	147.4	142.0	136.2	130.5	124.8
67.5°	196.6	192.3	187.7	182.9	177.7	172.2	166.5	160.3	153.9	147.2	140.3
65°	219.9	215.0	210.1	204.6	198.4	191.9	185.4	178.6	171.3	164.0	156.4
62.5°	243.6	238.4	232.7	226.4	219.5	212.3	205.1	197.0	188.7	180.7	172.0
60°	268.0	262.0	255.4	248.5	241.2	233.3	224.7	215.8	206.8	197.5	187.8
57.5°	292.8	285.9	278.5	270.9	262.6	253.9	244.9	235.4	224.9	214.4	204.1
55°	317.8	310.8	302.5	293.6	284.4	274.9	264.5	254.0	243.4	232.1	219.9
52.5°	341.9	333.9	325.3	316.2	306.6	295.5	284.4	273.4	260.9	249.0	236.5
50°	366.5	357.7	348.4	338.4	327.6	316.0	304.6	291.5	279.1	265.7	252.1
47.5°	391.0	381.8	371.6	360.2	348.7	336.6	323.7	310.5	296.5	282.2	267.8
45°	414.9	404.7	393.7	382.5	370.0	356.4	342.8	329.0	313.8	299.0	282.8
42.5°	439.4	427.9	416.1	403.8	390.0	376.6	361.5	346.5	331.2	314.7	298.5
40°	462.3	450.6	438.5	424.4	410.4	395.0	380.2	364.2	347.6	330.7	313.0
37.5°	484.2	472.0	459.8	445.1	429.8	413.9	397.9	381.1	363.7	345.7	327.4
35°	506.5	493.2	479.6	464.7	449.0	432.3	415.1	397.3	379.0	360.3	340.9
32.5°	526.4	513.9	499.2	483.4	466.8	449.9	431.7	413.1	393.7	374.0	354.0
30°	546.9	533.1	517.0	501.7	484.0	466.1	447.2	427.7	407.7	387.3	366.0
27.5°	566.4	551.3	535.6	517.9	501.0	481.4	462.1	441.5	420.6	399.0	377.5
25°	584.1	568.8	552.4	535.0	516.1	496.5	474.7	454.6	433.1	411.2	388.8
22.5°	600.8	584.9	567.9	549.7	530.5	510.9	489.1	466.5	443.7	421.1	397.6
20°	616.3	599.9	582.3	563.5	543.7	522.7	500.8	476.1	454.0	431.0	407.3
17.5°	629.3	613.8	595.0	575.8	555.2	533.9	512.0	488.3	464.0	439.5	415.6
15°	641.8	623.9	606.6	585.8	565.1	543.5	521.0	496.6	470.9	447.2	422.2
12.5°	651.3	634.7	616.7	595.4	574.2	551.8	528.6	504.6	478.7	453.8	428.2
10°	659.9	642.9	622.8	603.5	581.4	559.1	535.4	510.8	485.9	459.6	433.1
7.5°	666.7	648.7	630.1	610.1	587.2	564.3	540.3	515.6	490.2	464.0	437.2
5°	671.7	652.9	635.3	614.3	591.6	568.1	543.6	518.9	493.3	466.8	440.3
2.5°	674.7	655.7	638.1	616.4	594.1	570.3	545.6	520.8	495.1	468.6	442.2
0°	676.0	656.4	638.9	617.0	594.9	570.9	546.1	521.3	495.7	469.2	442.8
-2.5°	674.9	655.7	637.7	616.0	593.9	570.1	545.4	520.6	495.0	468.6	442.1
-5°	671.9	652.9	634.6	613.1	591.2	567.7	543.2	518.3	493.1	466.8	440.2
-7.5°	666.5	648.4	629.8	608.5	586.9	563.8	539.5	514.7	489.8	463.8	437.1
-10°	659.6	641.6	622.8	602.2	580.7	558.3	534.3	509.6	485.1	459.4	432.9
-12.5°	651.4	633.9	614.8	594.1	573.1	550.8	527.7	503.3	478.9	453.8	427.9
-15°	641.3	624.3	605.4	585.5	564.4	542.1	519.4	495.9	471.7	447.1	421.8
-17.5°	629.7	613.0	594.5	575.1	554.4	532.7	510.1	487.0	463.4	439.2	414.7
-20°	616.5	599.9	582.1	563.2	543.0	522.0	499.9	477.1	453.8	430.4	406.3

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	601.4	585.2	568.4	550.0	530.4	509.9	488.5	466.4	443.7	420.5	397.1
-25°	584.9	569.7	553.2	535.2	516.5	496.6	476.0	454.6	432.7	410.0	387.2
-27.5°	567.0	552.7	536.4	519.5	501.3	482.2	462.3	441.8	420.5	398.7	376.7
-30°	548.2	534.3	518.9	502.5	485.1	466.8	447.8	428.0	407.4	386.7	365.4
-32.5°	528.3	514.9	500.1	484.6	467.9	450.5	432.2	413.1	393.7	373.7	353.3
-35°	507.1	494.4	480.9	465.7	450.0	433.3	415.7	397.8	379.2	360.1	340.5
-37.5°	485.7	473.7	459.9	446.2	431.1	415.2	398.8	381.6	364.0	345.8	327.2
-40°	462.4	451.5	439.3	425.7	411.6	396.7	381.1	364.9	348.2	330.9	313.1
-42.5°	440.1	428.9	417.5	405.0	391.7	377.6	362.9	347.6	331.8	315.3	298.8
-45°	416.3	406.4	395.6	383.7	371.4	358.1	344.2	329.8	314.7	299.6	283.5
-47.5°	392.5	383.3	373.3	362.1	350.4	337.9	325.0	311.5	297.9	282.7	267.6
-50°	368.5	359.7	350.0	339.7	328.9	317.4	305.6	293.1	279.2	265.5	251.9
-52.5°	343.3	335.4	326.8	317.3	307.4	297.1	285.3	272.9	260.9	248.6	236.2
-55°	318.7	311.3	303.6	295.0	285.5	275.3	264.9	253.9	243.0	231.7	220.0
-57.5°	294.3	287.6	280.2	272.2	263.6	254.3	245.0	235.1	224.8	214.5	204.1
-60°	270.4	263.8	256.7	249.6	241.9	233.7	225.0	216.1	206.9	197.6	188.0
-62.5°	245.5	239.9	233.8	227.2	220.2	212.9	205.4	197.4	189.0	180.5	171.9
-65°	221.2	216.1	211.0	205.4	199.2	192.6	185.7	178.7	171.3	163.7	156.0
-67.5°	197.8	193.3	188.5	183.4	178.2	172.6	166.5	160.2	153.7	147.1	140.3
-70°	174.8	170.9	166.7	162.4	157.8	152.8	147.6	142.1	136.6	130.9	125.0
-72.5°	152.2	148.8	145.2	141.5	137.5	133.4	129.0	124.5	119.9	115.1	110.1
-75°	130.1	127.3	124.5	121.5	118.3	115.0	111.4	107.7	103.9	99.8	95.9
-77.5°	109.7	107.4	105.2	102.7	100.2	97.5	94.7	91.8	88.7	85.6	82.4
-80°	90.6	88.8	87.0	85.2	83.2	81.2	79.0	76.8	74.5	72.2	69.7
-82.5°	73.0	71.7	70.4	69.1	67.7	66.2	64.6	63.0	61.4	59.8	58.1
-85°	57.2	56.3	55.5	54.6	53.7	52.7	51.7	50.7	49.6	48.6	47.5
-87.5°	43.4	42.8	42.3	41.8	41.3	40.8	40.2	39.7	39.1	38.5	38.0
-90°	31.7	31.5	31.3	31.1	30.9	30.7	30.4	30.2	30.0	29.8	29.6

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	29.5	29.4	29.2	29.1	28.9	28.8	28.6	28.5	28.3	28.3	28.4
87.5°	37.6	37.1	36.6	36.1	35.5	35.0	34.4	33.9	33.3	32.8	32.3
85°	46.5	45.5	44.4	43.3	42.3	41.3	40.2	39.1	38.0	36.9	35.9
82.5°	56.6	55.0	53.3	51.6	49.9	48.2	46.4	44.6	42.9	41.2	39.6
80°	67.5	65.1	62.7	60.3	57.9	55.5	53.1	50.6	48.2	45.8	43.4
77.5°	79.3	76.1	72.9	69.7	66.4	63.2	60.0	56.8	53.7	50.6	47.6
75°	91.9	87.9	83.8	79.8	75.6	71.5	67.4	63.3	59.4	55.6	51.8
72.5°	105.2	100.2	95.2	90.2	85.2	80.2	75.2	70.2	65.4	60.7	56.2
70°	119.0	113.1	107.3	101.2	95.2	89.2	83.3	77.4	71.7	66.0	60.6
67.5°	133.3	126.5	119.5	112.5	105.6	98.5	91.5	84.8	78.1	71.6	65.2
65°	148.5	140.4	132.2	124.2	116.1	108.2	100.1	92.2	84.6	77.2	69.9
62.5°	163.5	154.5	145.4	136.1	127.0	117.8	108.9	99.9	91.2	82.9	74.7
60°	178.4	168.4	158.5	148.2	137.9	127.7	117.6	107.7	97.9	88.6	79.5
57.5°	193.1	182.4	171.3	160.3	148.9	137.7	126.5	115.4	104.8	94.3	84.3
55°	208.3	196.3	184.2	172.0	160.0	147.5	135.4	123.3	111.6	100.1	89.1
52.5°	223.2	210.2	197.1	183.8	170.5	157.4	144.1	131.1	118.3	105.9	93.9
50°	238.4	224.0	209.8	195.5	181.2	166.9	152.8	138.8	125.0	111.6	98.6
47.5°	252.9	237.8	222.2	207.1	191.6	176.3	161.4	146.3	131.6	117.2	103.4
45°	267.2	251.1	234.7	218.1	201.8	185.7	169.7	153.8	138.0	122.6	107.9
42.5°	280.9	263.9	246.7	229.1	211.9	194.7	177.8	161.2	144.3	128.0	112.3
40°	295.1	276.4	258.1	239.9	221.3	203.5	185.8	168.1	150.4	133.2	116.6
37.5°	308.7	288.8	269.4	250.2	230.8	212.0	193.3	174.8	156.5	138.2	120.8
35°	321.1	301.5	279.7	259.9	240.1	220.0	200.5	181.3	162.3	143.0	124.8
32.5°	333.3	312.3	290.8	269.5	248.7	227.9	207.5	187.5	167.5	147.5	128.6
30°	344.8	323.0	301.6	278.2	256.8	235.4	214.0	193.1	172.6	152.0	132.1
27.5°	355.8	333.0	310.5	287.1	264.6	242.4	220.1	198.3	177.2	156.3	135.4
25°	365.3	342.4	319.0	295.5	271.8	248.6	225.8	203.4	181.7	160.2	138.5
22.5°	374.7	351.2	327.0	303.3	278.0	254.5	231.2	208.0	185.8	163.7	141.4
20°	383.3	359.0	334.2	309.5	284.0	259.9	236.1	212.2	189.4	166.8	144.0
17.5°	390.7	365.8	340.6	315.2	289.6	264.9	240.5	215.9	192.5	169.5	146.3
15°	396.6	372.0	346.1	320.4	294.5	269.3	244.0	219.2	195.3	172.0	148.3
12.5°	402.4	377.3	350.9	324.8	298.7	272.8	247.0	222.1	197.5	174.0	150.1
10°	407.6	381.5	354.9	328.5	302.1	275.5	249.5	224.4	199.5	175.7	151.7
7.5°	411.6	384.5	358.0	331.3	304.5	277.6	251.5	226.2	201.0	177.1	152.9
5°	414.0	386.5	360.2	333.4	306.3	279.0	253.1	227.5	202.1	178.0	153.7
2.5°	415.3	387.6	361.6	334.6	307.3	279.9	254.0	228.3	202.8	178.6	154.2
0°	415.7	387.8	362.0	335.0	307.6	280.2	254.3	228.6	203.0	178.8	154.4
-2.5°	415.2	387.5	361.5	334.5	307.2	279.9	254.0	228.3	202.8	178.6	154.2
-5°	413.7	386.2	360.0	333.2	306.1	279.1	253.0	227.6	202.1	178.0	153.7
-7.5°	411.2	384.1	357.6	331.1	304.2	277.6	251.5	226.2	201.0	177.0	152.8
-10°	407.2	381.0	354.4	328.1	301.6	275.6	249.4	224.4	199.5	175.7	151.6
-12.5°	402.1	376.8	350.3	324.4	298.2	272.8	246.9	222.1	197.5	173.9	150.0
-15°	396.2	371.5	345.4	319.9	294.2	269.3	244.0	219.3	195.2	171.8	148.2
-17.5°	389.6	365.2	339.9	314.7	289.5	265.0	240.5	215.9	192.5	169.4	146.1
-20°	382.3	357.9	333.5	308.8	284.1	260.0	236.2	212.1	189.3	166.6	143.6

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	373.9	350.0	326.2	302.1	278.2	254.5	231.3	207.8	185.6	163.4	140.9
-25°	364.4	341.4	318.2	294.9	271.9	248.5	225.9	203.3	181.5	159.9	138.0
-27.5°	354.2	332.0	309.5	287.0	264.7	242.3	220.1	198.3	177.0	155.9	134.9
-30°	343.8	322.0	300.2	278.6	256.8	235.5	213.9	193.0	172.3	151.6	131.5
-32.5°	332.5	311.4	290.4	269.6	248.6	228.0	207.2	187.2	167.2	147.1	127.9
-35°	320.7	300.5	280.2	260.0	240.1	220.1	200.3	181.0	161.8	142.2	124.1
-37.5°	308.1	289.0	269.4	250.0	231.0	211.9	193.1	174.5	156.0	137.3	120.1
-40°	295.3	276.6	258.2	239.8	221.4	203.3	185.5	167.6	149.9	132.3	115.9
-42.5°	281.4	263.9	246.5	229.2	211.7	194.5	177.4	160.5	143.4	127.1	111.5
-45°	267.1	250.8	234.6	218.1	201.7	185.3	169.1	153.2	136.9	121.7	107.1
-47.5°	252.6	237.6	222.3	206.8	191.4	175.9	160.6	145.4	130.5	116.2	102.5
-50°	238.1	224.0	209.7	195.3	180.8	166.3	152.0	137.4	123.9	110.6	97.8
-52.5°	223.2	210.1	197.0	183.6	170.1	156.6	142.8	129.8	117.2	104.9	93.1
-55°	208.3	196.3	184.0	171.6	159.2	146.6	133.9	122.0	110.4	99.1	88.3
-57.5°	193.3	182.2	171.0	159.6	148.2	136.4	125.1	114.1	103.6	93.4	83.4
-60°	178.1	168.1	157.9	147.5	136.9	126.6	116.3	106.3	96.8	87.5	78.6
-62.5°	163.0	154.0	144.7	135.4	126.1	116.8	107.6	98.6	90.1	81.8	73.7
-65°	148.1	139.9	131.8	123.5	115.3	107.1	98.9	90.9	83.4	76.1	69.0
-67.5°	133.4	126.3	119.1	111.9	104.7	97.5	90.4	83.4	76.8	70.5	64.3
-70°	119.0	112.9	106.8	100.6	94.4	88.2	82.1	76.1	70.4	65.0	59.7
-72.5°	105.1	99.9	94.8	89.6	84.4	79.2	74.1	69.1	64.2	59.6	55.3
-75°	91.8	87.6	83.3	79.1	74.8	70.6	66.4	62.2	58.3	54.5	50.9
-77.5°	79.1	75.8	72.5	69.1	65.7	62.4	59.0	55.7	52.5	49.6	46.7
-80°	67.3	64.8	62.2	59.7	57.2	54.6	52.1	49.5	47.1	44.9	42.6
-82.5°	56.3	54.6	52.8	51.0	49.1	47.3	45.5	43.7	41.9	40.4	38.9
-85°	46.4	45.2	44.1	42.9	41.8	40.6	39.4	38.2	37.1	36.1	35.2
-87.5°	37.4	36.8	36.2	35.6	35.0	34.4	33.8	33.1	32.5	32.1	31.7
-90°	29.5	29.5	29.4	29.3	29.3	29.2	29.1	29.1	29.0	29.0	28.9

REPORT NUMBER: P1209893 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	28.4	28.4	28.5	28.5	28.5	28.6	28.6
87.5°	31.8	31.3	30.7	30.2	29.7	29.1	28.6
85°	34.8	33.7	32.7	31.7	30.6	29.6	28.6
82.5°	37.9	36.3	34.7	33.1	31.6	30.1	28.6
80°	41.2	39.0	36.8	34.7	32.6	30.6	28.6
77.5°	44.6	41.7	38.9	36.2	33.6	31.1	28.6
75°	48.1	44.5	41.0	37.8	34.6	31.6	28.6
72.5°	51.7	47.4	43.2	39.3	35.6	32.0	28.6
70°	55.4	50.4	45.5	40.9	36.6	32.5	28.6
67.5°	59.1	53.3	47.8	42.4	37.6	32.9	28.6
65°	62.9	56.3	50.1	44.0	38.6	33.4	28.6
62.5°	66.8	59.3	52.4	45.7	39.5	33.9	28.6
60°	70.8	62.4	54.6	47.3	40.5	34.3	28.6
57.5°	74.7	65.5	56.9	48.9	41.4	34.8	28.6
55°	78.6	68.5	59.1	50.5	42.3	35.2	28.6
52.5°	82.5	71.6	61.3	52.0	43.3	35.6	28.6
50°	86.3	74.6	63.6	53.5	44.2	36.1	28.6
47.5°	90.0	77.6	65.8	55.0	45.1	36.4	28.6
45°	93.8	80.4	67.9	56.4	46.0	36.8	28.6
42.5°	97.3	83.2	70.0	57.8	46.8	37.2	28.6
40°	100.9	85.9	72.0	59.1	47.6	37.5	28.6
37.5°	104.2	88.5	73.9	60.3	48.4	37.9	28.6
35°	107.4	91.0	75.7	61.6	49.2	38.2	28.6
32.5°	110.4	93.4	77.5	62.8	49.9	38.5	28.6
30°	113.3	95.6	79.1	64.0	50.5	38.8	28.6
27.5°	116.0	97.7	80.7	65.0	51.1	39.0	28.6
25°	118.5	99.7	82.1	66.0	51.7	39.3	28.6
22.5°	120.8	101.4	83.4	66.9	52.2	39.5	28.6
20°	122.9	103.1	84.6	67.7	52.7	39.7	28.6
17.5°	124.7	104.5	85.7	68.4	53.1	39.8	28.6
15°	126.3	105.7	86.6	69.0	53.4	40.0	28.6
12.5°	127.7	106.8	87.4	69.6	53.7	40.1	28.6
10°	128.8	107.7	88.0	70.0	54.0	40.2	28.6
7.5°	129.7	108.3	88.5	70.3	54.2	40.3	28.6
5°	130.3	108.8	88.8	70.6	54.3	40.4	28.6
2.5°	130.6	109.1	89.0	70.7	54.4	40.4	28.6
0°	130.7	109.2	89.1	70.8	54.4	40.4	28.6
-2.5°	130.6	109.0	89.0	70.7	54.4	40.4	28.6
-5°	130.2	108.7	88.8	70.5	54.3	40.3	28.6
-7.5°	129.5	108.2	88.4	70.3	54.1	40.3	28.6
-10°	128.6	107.5	87.9	69.9	53.9	40.2	28.6
-12.5°	127.5	106.6	87.2	69.5	53.7	40.1	28.6
-15°	126.1	105.5	86.4	68.9	53.4	40.0	28.6
-17.5°	124.4	104.2	85.5	68.3	53.0	39.8	28.6
-20°	122.5	102.8	84.4	67.6	52.6	39.6	28.6

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CATALOG NUMBER: BKHDR150CLD2D-LO-3000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	120.4	101.1	83.2	66.7	52.1	39.4	28.6
-25°	118.1	99.3	81.8	65.8	51.6	39.2	28.6
-27.5°	115.6	97.4	80.4	64.8	51.0	39.0	28.6
-30°	112.8	95.2	78.8	63.8	50.4	38.7	28.6
-32.5°	109.9	93.0	77.2	62.6	49.7	38.4	28.6
-35°	106.8	90.6	75.4	61.4	49.0	38.1	28.6
-37.5°	103.6	88.1	73.5	60.1	48.2	37.8	28.6
-40°	100.3	85.5	71.6	58.8	47.5	37.5	28.6
-42.5°	96.7	82.7	69.6	57.5	46.7	37.1	28.6
-45°	93.1	79.9	67.5	56.1	45.8	36.8	28.6
-47.5°	89.4	77.0	65.4	54.7	44.9	36.4	28.6
-50°	85.6	74.0	63.1	53.2	44.0	36.0	28.6
-52.5°	81.7	71.0	60.9	51.7	43.1	35.6	28.6
-55°	77.8	68.0	58.6	50.1	42.2	35.1	28.6
-57.5°	73.9	64.9	56.4	48.5	41.3	34.7	28.6
-60°	70.0	61.8	54.1	46.9	40.3	34.3	28.6
-62.5°	66.1	58.7	51.9	45.3	39.4	33.8	28.6
-65°	62.2	55.7	49.6	43.7	38.4	33.3	28.6
-67.5°	58.4	52.7	47.3	42.1	37.4	32.9	28.6
-70°	54.6	49.7	45.0	40.6	36.4	32.4	28.6
-72.5°	51.0	46.8	42.7	39.0	35.4	31.9	28.6
-75°	47.4	43.9	40.6	37.5	34.4	31.5	28.6
-77.5°	43.9	41.1	38.5	35.9	33.4	31.0	28.6
-80°	40.6	38.5	36.4	34.4	32.4	30.5	28.6
-82.5°	37.3	35.9	34.4	32.9	31.5	30.0	28.6
-85°	34.2	33.3	32.3	31.4	30.5	29.5	28.6
-87.5°	31.3	30.8	30.4	30.0	29.5	29.1	28.6
-90°	28.9	28.8	28.8	28.7	28.7	28.6	28.6

(END OF REPORT)