

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: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-LO-3500K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209894 (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-3500K
Description: BULK HEAD 2100LM SEL 5CCT UNV D2D BRONZE at 3500K CCT

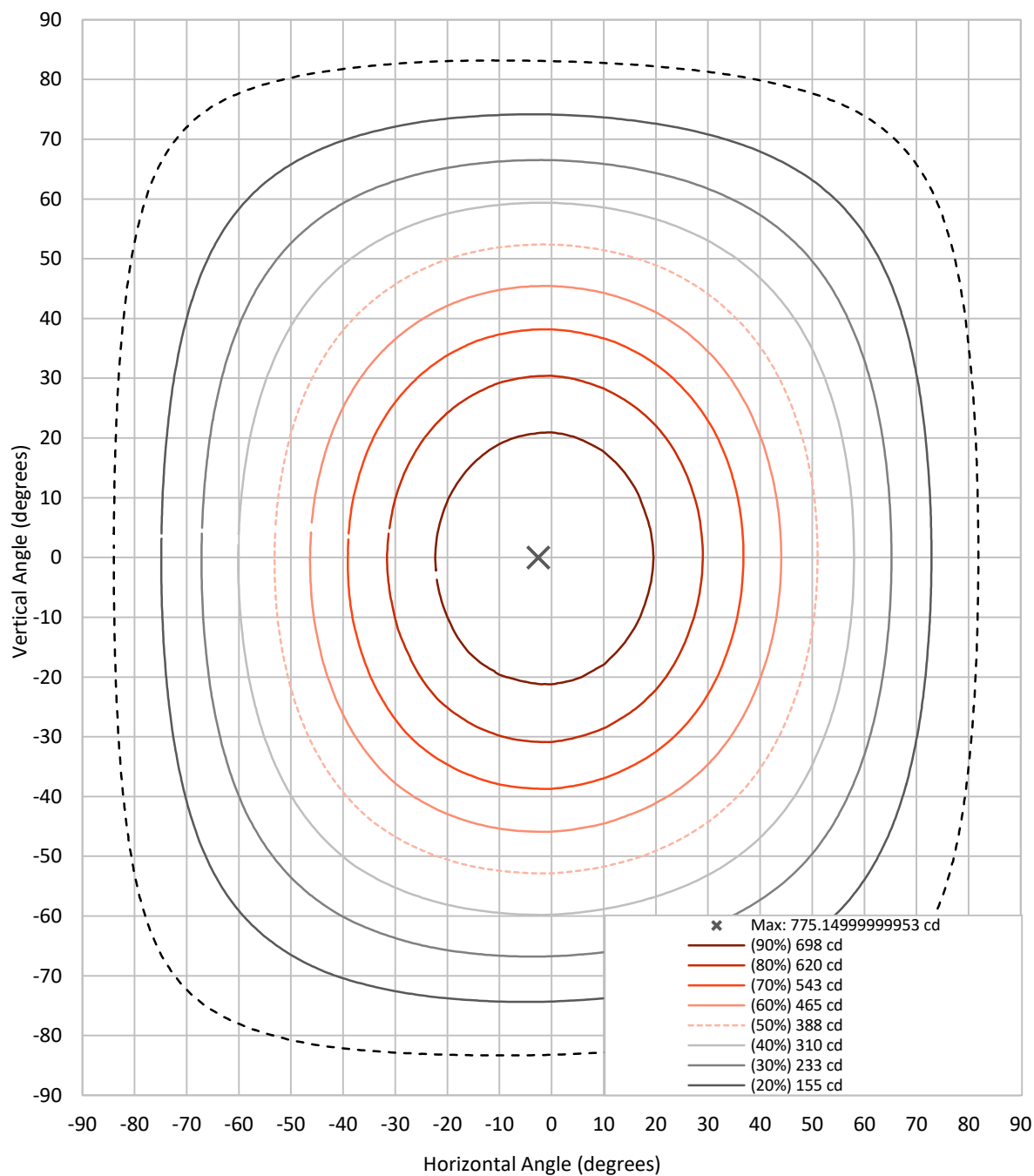
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	2099.9 lumens	Max Intensity:	775.1 candela
Efficiency:	100.6%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	123.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.76' x H: 0')		
Beam Angle (50%):	104.2°H x 105.2°V	Field Angle (10%):	165.8°H x 166.3°V
Beam Lumens:	1388.3 lumens	Field Lumens:	2057.5 lumens
Beam Efficiency:	66.1%	Field Efficiency:	98.0%
Input Watts (W):	17		
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		

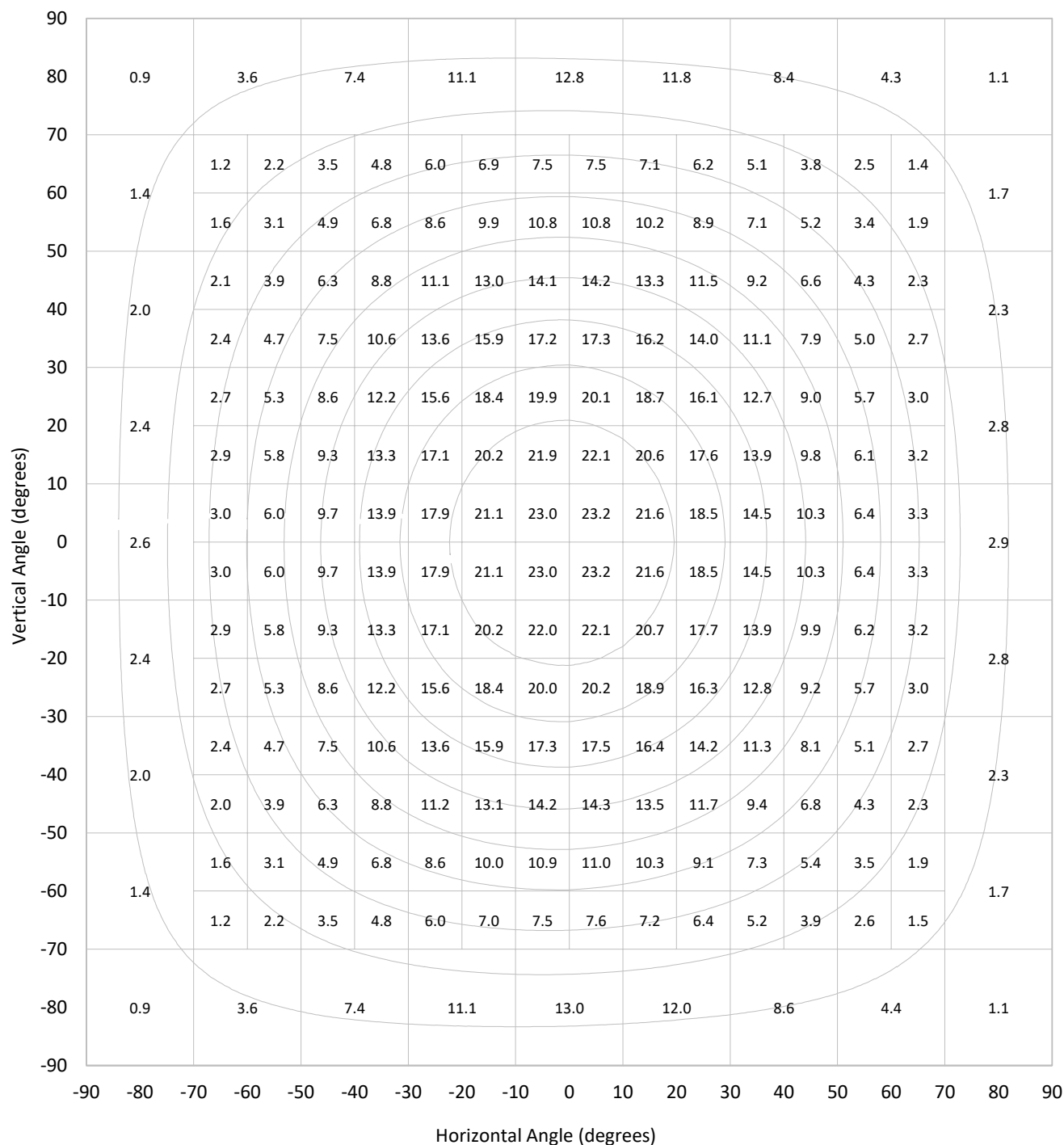
REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

Iso-Candela Plot



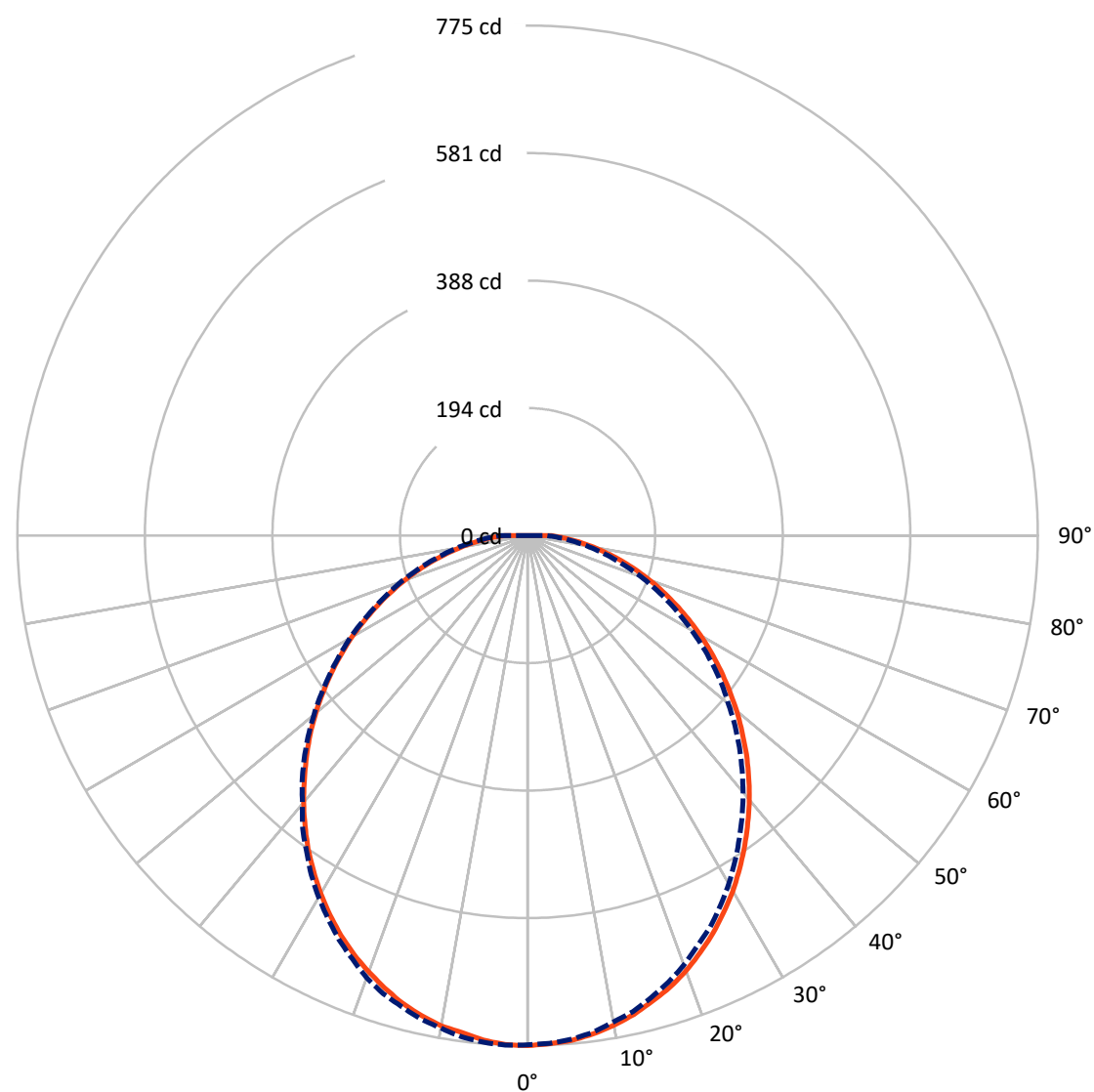
REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

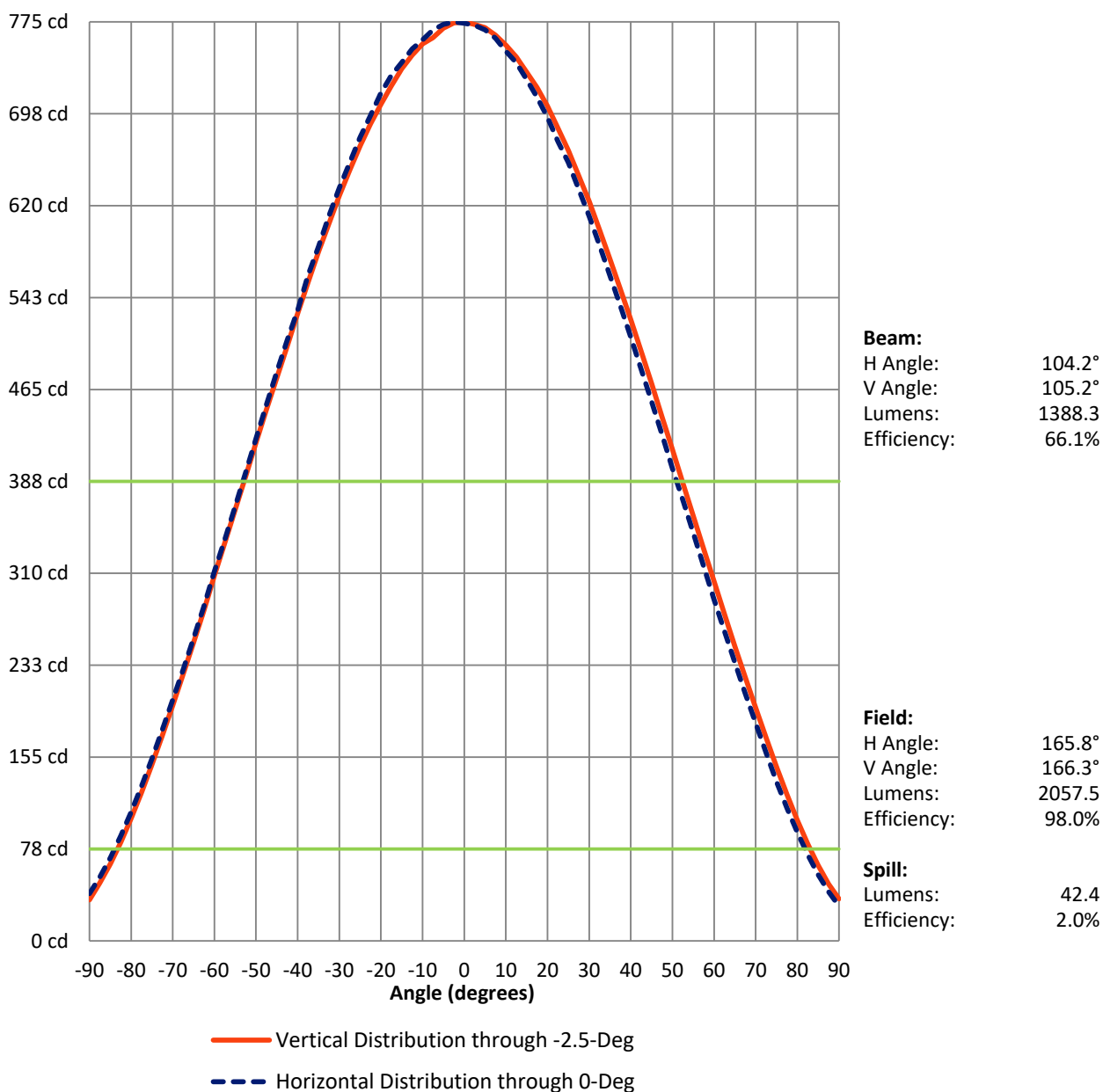
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

Luminous Intensity Plot



REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.1
87.5°	39.9	40.5	41.1	41.7	42.2	42.8	43.3	43.9	44.4	45.0	45.3
85°	39.9	41.1	42.2	43.4	44.5	45.7	46.9	48.0	49.2	50.3	51.3
82.5°	39.9	41.7	43.4	45.1	46.9	48.7	50.5	52.3	54.2	56.1	57.8
80°	39.9	42.2	44.6	46.9	49.3	51.8	54.3	56.9	59.5	62.0	64.5
77.5°	39.9	42.8	45.7	48.7	51.8	55.0	58.2	61.5	64.9	68.3	71.6
75°	39.9	43.4	46.9	50.5	54.3	58.2	62.2	66.4	70.6	74.8	78.9
72.5°	39.9	44.0	48.1	52.4	56.9	61.5	66.4	71.3	76.4	81.5	86.6
70°	39.9	44.5	49.2	54.2	59.5	64.9	70.6	76.4	82.4	88.4	94.4
67.5°	39.9	45.1	50.4	56.1	62.1	68.3	74.9	81.6	88.4	95.4	102.5
65°	39.9	45.6	51.5	57.9	64.7	71.8	79.2	86.8	94.5	102.6	110.7
62.5°	39.9	46.2	52.7	59.8	67.3	75.3	83.5	91.9	100.8	109.8	119.0
60°	39.9	46.7	53.9	61.6	69.9	78.7	87.8	97.3	107.1	117.1	127.4
57.5°	39.9	47.2	55.0	63.4	72.5	82.2	92.0	102.6	113.4	124.5	135.7
55°	39.9	47.7	56.1	65.2	75.1	85.6	96.4	107.8	119.7	131.7	144.0
52.5°	39.9	48.2	57.2	67.0	77.7	88.9	100.7	113.1	125.8	138.9	152.2
50°	39.9	48.7	58.3	68.7	80.2	92.1	104.9	118.2	132.0	146.0	160.3
47.5°	39.9	49.1	59.3	70.4	82.7	95.4	109.1	123.3	138.0	153.0	168.4
45°	39.9	49.6	60.3	72.1	85.0	98.6	113.1	128.2	143.8	159.8	176.2
42.5°	39.9	50.0	61.3	73.8	87.3	101.7	117.0	133.0	149.5	166.5	183.8
40°	39.9	50.4	62.2	75.3	89.5	104.7	120.8	137.7	155.1	173.0	191.2
37.5°	39.9	50.8	63.1	76.8	91.5	107.6	124.5	142.1	160.4	179.2	198.3
35°	39.9	51.2	63.9	78.3	93.6	110.3	128.0	146.4	165.5	185.1	205.1
32.5°	39.9	51.5	64.7	79.6	95.6	112.9	131.3	150.4	170.4	190.7	211.5
30°	39.9	51.9	65.5	80.9	97.4	115.4	134.4	154.3	175.0	196.1	217.6
27.5°	39.9	52.2	66.2	82.1	99.1	117.7	137.3	157.9	179.2	201.2	223.2
25°	39.9	52.5	66.8	83.1	100.7	119.8	140.0	161.2	183.1	205.8	228.5
22.5°	39.9	52.8	67.4	84.1	102.2	121.8	142.5	164.3	186.8	210.0	233.4
20°	39.9	53.0	68.0	85.0	103.5	123.5	144.7	167.1	190.1	213.8	237.7
17.5°	39.9	53.2	68.4	85.8	104.7	125.1	146.8	169.7	193.1	217.2	241.6
15°	39.9	53.4	68.9	86.5	105.7	126.5	148.5	171.9	195.8	220.2	245.0
12.5°	39.9	53.5	69.2	87.1	106.6	127.7	150.1	173.8	198.0	222.7	248.0
10°	39.9	53.7	69.5	87.6	107.3	128.7	151.3	175.3	199.9	224.8	250.6
7.5°	39.9	53.8	69.7	88.0	107.9	129.4	152.3	176.5	201.4	226.5	252.5
5°	39.9	53.8	69.9	88.2	108.3	130.0	153.0	177.4	202.5	227.7	254.0
2.5°	39.9	53.9	70.0	88.4	108.5	130.3	153.4	177.9	203.1	228.5	254.9
0°	39.9	53.9	70.0	88.4	108.6	130.4	153.6	178.1	203.4	228.7	255.2
-2.5°	39.9	53.9	70.0	88.4	108.5	130.4	153.5	178.0	203.3	228.7	255.2
-5°	39.9	53.8	69.9	88.3	108.3	130.1	153.2	177.6	202.8	228.1	254.6
-7.5°	39.9	53.8	69.7	88.0	107.9	129.6	152.6	176.9	201.9	227.1	253.4
-10°	39.9	53.7	69.5	87.6	107.4	128.9	151.7	175.8	200.6	225.6	251.7
-12.5°	39.9	53.6	69.2	87.2	106.7	127.9	150.5	174.4	198.9	223.6	249.4
-15°	39.9	53.4	68.9	86.6	105.9	126.7	149.1	172.6	196.9	221.3	246.5
-17.5°	39.9	53.2	68.5	85.9	104.9	125.4	147.3	170.5	194.4	218.6	243.3
-20°	39.9	53.0	68.0	85.1	103.7	123.9	145.4	168.0	191.5	215.4	239.6

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	39.9	52.8	67.5	84.2	102.4	122.1	143.2	165.3	188.3	211.8	235.5
-25°	39.9	52.5	66.9	83.2	100.9	120.2	140.7	162.3	184.6	207.8	230.7
-27.5°	39.9	52.2	66.3	82.2	99.4	118.1	138.1	159.0	180.8	203.3	225.5
-30°	39.9	51.9	65.6	81.0	97.7	115.8	135.1	155.5	176.6	198.5	220.1
-32.5°	39.9	51.6	64.8	79.8	95.9	113.4	132.0	151.7	172.0	193.2	214.2
-35°	39.9	51.2	64.0	78.4	93.9	110.8	128.7	147.7	167.2	187.4	208.1
-37.5°	39.9	50.8	63.1	77.0	91.8	108.0	125.2	143.4	162.1	181.5	201.5
-40°	39.9	50.4	62.3	75.5	89.8	105.2	121.5	138.9	156.9	175.2	194.5
-42.5°	39.9	50.0	61.3	73.9	87.6	102.2	117.7	134.2	151.4	168.8	186.8
-45°	39.9	49.6	60.4	72.3	85.3	99.1	113.8	129.3	145.5	162.2	179.0
-47.5°	39.9	49.2	59.4	70.6	82.9	95.9	109.7	124.3	139.6	155.4	171.1
-50°	39.9	48.7	58.3	68.9	80.5	92.6	105.6	119.1	133.4	148.2	163.1
-52.5°	39.9	48.2	57.2	67.2	78.0	89.3	101.4	114.0	127.2	140.9	155.1
-55°	39.9	47.7	56.2	65.4	75.4	85.9	97.1	108.7	120.8	133.5	146.5
-57.5°	39.9	47.2	55.1	63.6	72.8	82.6	92.7	103.5	114.5	126.0	137.8
-60°	39.9	46.7	53.9	61.8	70.1	79.1	88.4	98.1	108.2	118.4	129.3
-62.5°	39.9	46.2	52.8	59.9	67.6	75.6	84.0	92.7	101.8	111.1	120.6
-65°	39.9	45.6	51.6	58.1	64.9	72.1	79.7	87.4	95.5	103.8	112.2
-67.5°	39.9	45.1	50.4	56.2	62.3	68.7	75.3	82.2	89.2	96.5	103.9
-70°	39.9	44.5	49.3	54.3	59.7	65.2	71.0	77.0	83.0	89.3	95.7
-72.5°	39.9	44.0	48.1	52.5	57.0	61.8	66.8	71.9	77.0	82.3	87.6
-75°	39.9	43.4	47.0	50.6	54.5	58.5	62.6	66.9	71.2	75.5	79.9
-77.5°	39.9	42.8	45.8	48.8	51.9	55.2	58.5	61.9	65.4	69.0	72.5
-80°	39.9	42.3	44.6	47.0	49.5	51.9	54.6	57.2	59.9	62.6	65.2
-82.5°	39.9	41.7	43.4	45.2	47.0	48.9	50.7	52.6	54.5	56.4	58.3
-85°	39.9	41.1	42.3	43.5	44.6	45.8	47.0	48.2	49.4	50.6	51.8
-87.5°	39.9	40.5	41.1	41.7	42.3	42.9	43.5	44.1	44.6	45.2	45.7
-90°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.7

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	40.0	40.0	40.0	39.9	39.9	39.9	39.8	39.8	39.5	39.3	39.0
87.5°	45.7	46.1	46.5	46.8	47.1	47.4	47.7	48.0	48.3	48.5	48.7
85°	52.3	53.3	54.3	55.2	56.1	57.0	57.9	58.7	59.5	60.3	61.0
82.5°	59.4	61.1	62.7	64.4	66.0	67.5	69.0	70.5	71.9	73.3	74.6
80°	67.0	69.4	71.8	74.2	76.5	78.8	81.1	83.2	85.4	87.5	89.4
77.5°	74.8	78.1	81.4	84.6	87.8	90.9	94.0	97.0	99.9	102.7	105.3
75°	83.1	87.2	91.3	95.5	99.6	103.6	107.5	111.4	115.0	118.7	122.2
72.5°	91.6	96.8	101.9	106.9	112.0	116.9	121.7	126.5	131.0	135.5	139.8
70°	100.5	106.6	112.7	118.7	124.8	130.6	136.4	142.0	147.9	153.4	158.7
67.5°	109.6	116.7	123.8	130.9	137.8	144.8	151.9	158.8	165.4	171.6	177.5
65°	118.8	127.0	135.1	143.2	151.5	159.6	167.6	175.3	182.8	189.9	196.8
62.5°	128.2	137.4	146.6	155.9	165.2	174.3	183.2	191.9	200.4	208.6	216.3
60°	137.6	147.9	158.3	168.6	178.9	189.0	199.0	208.7	218.2	227.2	235.9
57.5°	147.0	158.4	169.9	181.3	192.6	203.8	214.8	225.4	235.9	246.0	255.7
55°	156.4	168.9	181.3	193.8	206.3	218.5	230.4	242.2	253.7	264.8	275.6
52.5°	165.7	179.2	192.8	206.3	219.8	233.0	246.1	258.9	271.5	283.8	295.6
50°	174.8	189.4	204.1	218.7	233.1	247.5	261.6	275.5	289.3	302.6	315.2
47.5°	183.8	199.5	215.1	230.7	246.3	261.7	277.0	292.2	306.9	321.1	334.5
45°	192.7	209.3	226.0	242.6	259.2	275.7	292.3	308.6	324.1	339.1	353.7
42.5°	201.3	218.9	236.5	254.3	271.8	289.6	307.5	324.4	340.8	356.9	372.4
40°	209.6	228.1	246.8	265.4	284.1	303.5	321.8	339.7	357.3	374.2	390.8
37.5°	217.6	237.0	256.7	276.2	296.5	316.5	335.7	354.7	373.1	391.2	408.8
35°	225.2	245.5	266.1	286.7	308.6	329.0	349.1	368.9	388.5	407.7	426.2
32.5°	232.5	253.8	275.2	297.3	319.3	340.7	361.9	382.7	403.3	423.4	442.9
30°	239.3	261.5	283.7	307.4	329.8	352.1	374.0	395.9	417.4	438.5	458.8
27.5°	245.7	268.8	292.1	316.4	339.4	362.6	385.6	408.4	430.8	452.6	473.7
25°	251.8	275.6	300.2	324.7	348.5	372.4	396.3	419.9	443.2	465.9	487.9
22.5°	257.4	281.7	307.6	332.3	357.1	381.6	406.3	430.7	454.7	478.0	500.9
20°	262.5	287.2	314.1	339.0	364.5	390.1	415.4	440.6	465.4	489.4	513.0
17.5°	267.0	292.7	319.8	345.1	371.2	397.3	423.6	449.4	474.7	499.3	523.6
15°	271.1	297.5	324.7	350.9	377.1	403.9	430.8	457.3	482.9	508.2	532.8
12.5°	274.5	301.6	328.9	355.9	382.6	409.9	437.1	464.3	490.1	516.0	540.9
10°	277.4	305.1	332.2	359.6	387.2	414.7	442.3	470.1	495.9	522.5	547.9
7.5°	279.5	307.8	334.9	362.6	390.7	418.5	446.4	474.3	500.4	526.9	553.5
5°	281.0	309.8	336.8	364.7	392.9	421.2	449.5	477.3	503.8	529.9	557.7
2.5°	282.0	311.1	338.0	366.0	394.3	423.0	451.4	479.2	505.9	531.5	560.3
0°	282.3	311.6	338.5	366.5	394.9	423.7	452.2	480.0	506.7	531.9	561.4
-2.5°	282.3	311.4	338.4	366.4	394.8	423.5	452.0	479.7	506.5	531.9	560.8
-5°	281.7	310.4	337.5	365.4	393.8	422.2	450.7	478.3	505.0	530.8	558.6
-7.5°	280.4	308.7	335.9	363.7	391.9	420.0	448.4	475.7	502.2	528.4	554.9
-10°	278.6	306.2	333.6	361.0	388.9	416.7	444.8	471.9	498.0	524.6	549.8
-12.5°	276.0	303.1	330.5	357.5	384.8	412.3	439.8	466.7	492.5	518.7	543.3
-15°	272.9	299.3	326.6	353.0	380.0	406.8	433.9	460.3	485.9	511.8	535.6
-17.5°	269.3	295.1	321.9	347.7	374.3	400.6	427.2	453.8	478.2	503.6	527.4
-20°	265.1	290.3	316.5	341.9	367.7	393.6	419.6	445.7	469.2	493.4	517.7

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	260.3	284.9	310.3	335.5	360.3	385.8	410.9	435.5	459.6	482.9	506.4
-25°	254.9	278.7	303.2	327.9	352.3	377.1	401.3	425.4	450.1	471.2	493.2
-27.5°	248.6	272.5	296.1	319.8	343.7	367.2	390.7	414.2	436.8	459.2	480.3
-30°	242.4	265.6	288.5	311.2	334.2	356.6	380.0	402.0	424.0	445.8	466.1
-32.5°	235.8	258.2	279.5	301.6	323.5	346.0	367.6	389.2	410.2	430.7	451.2
-35°	228.4	249.5	271.2	292.9	313.2	334.3	354.8	375.8	395.7	415.3	434.3
-37.5°	220.9	241.1	262.2	281.5	301.6	321.7	342.0	361.2	380.8	399.3	417.3
-40°	213.2	232.2	251.8	271.2	290.5	309.0	327.9	346.7	364.8	382.7	399.8
-42.5°	205.2	222.9	241.3	260.2	277.5	296.1	313.6	331.4	348.5	365.4	381.6
-45°	196.8	213.6	230.5	247.7	265.3	281.6	299.0	315.3	331.9	347.5	362.9
-47.5°	187.5	204.0	219.6	235.8	251.9	267.9	283.2	299.3	314.3	329.6	343.8
-50°	178.2	193.9	208.7	223.4	238.5	253.4	268.0	282.0	296.8	310.6	324.2
-52.5°	168.9	183.0	197.5	211.2	224.8	238.6	252.2	265.5	278.2	291.3	303.9
-55°	159.6	172.3	185.4	198.7	211.3	223.7	236.2	248.5	260.5	271.6	282.6
-57.5°	150.0	161.8	173.6	185.5	197.5	208.9	220.2	231.3	242.2	252.9	262.5
-60°	140.1	151.2	161.9	172.6	183.3	194.0	204.2	214.3	224.1	233.5	242.2
-62.5°	130.4	140.2	150.1	159.8	169.3	178.8	188.1	197.2	206.0	214.4	222.2
-65°	120.7	129.5	138.1	146.9	155.5	163.9	172.2	180.2	188.0	195.1	202.1
-67.5°	111.3	118.7	126.6	134.1	141.6	149.1	156.4	163.4	170.3	176.6	182.5
-70°	102.1	108.5	115.0	121.5	128.2	134.5	140.7	146.8	152.7	158.0	163.1
-72.5°	93.1	98.6	104.0	109.4	114.8	120.2	125.7	130.8	135.5	139.8	144.0
-75°	84.2	88.7	93.2	97.7	102.2	106.5	110.7	115.0	118.9	122.5	125.8
-77.5°	75.9	79.4	82.9	86.3	89.9	93.3	96.8	100.1	103.1	105.7	108.1
-80°	67.9	70.5	73.2	75.8	78.4	80.9	83.4	85.7	87.9	89.8	91.6
-82.5°	60.2	62.1	63.9	65.7	67.6	69.3	71.0	72.8	74.2	75.4	76.6
-85°	53.0	54.1	55.3	56.4	57.4	58.5	59.6	60.6	61.3	61.9	62.5
-87.5°	46.2	46.7	47.3	47.8	48.2	48.7	49.2	49.6	49.8	49.9	50.0
-90°	39.6	39.4	39.2	39.1	38.9	38.7	38.6	38.4	38.2	38.1	37.9

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	38.8	38.5	38.3	38.0	37.8	37.5	37.2	37.0	36.7	36.5	36.2
87.5°	48.9	49.1	49.3	49.4	49.6	49.7	49.6	49.4	49.3	49.1	48.9
85°	61.7	62.3	62.9	63.4	63.9	64.3	64.5	64.6	64.6	64.6	64.5
82.5°	75.8	77.0	78.1	79.1	80.0	80.8	81.3	81.7	82.0	82.1	82.2
80°	91.3	93.0	94.7	96.2	97.6	98.8	99.8	100.5	101.1	101.5	101.8
77.5°	107.9	110.3	112.5	114.6	116.7	118.5	120.0	121.2	122.1	122.8	123.4
75°	125.6	128.7	131.7	134.5	137.1	139.4	141.3	142.8	144.2	145.2	146.0
72.5°	144.0	148.1	151.8	155.2	158.3	161.1	163.4	165.4	167.1	168.6	169.8
70°	163.5	168.0	172.3	176.3	180.1	183.5	186.6	189.2	191.5	193.3	194.7
67.5°	183.2	188.6	193.7	198.5	202.9	206.9	210.4	213.4	216.0	218.2	219.9
65°	203.4	209.6	215.4	220.8	225.8	230.5	234.6	238.1	241.1	243.6	245.6
62.5°	223.7	230.7	237.3	243.5	249.2	254.5	259.3	263.5	267.0	269.9	272.2
60°	244.2	252.1	259.6	266.6	273.1	278.9	284.2	289.1	293.3	296.7	299.4
57.5°	264.9	273.8	282.1	290.0	297.5	304.4	310.8	316.1	320.3	323.8	326.5
55°	285.9	295.7	305.1	314.0	322.1	329.2	335.7	341.4	346.3	350.4	353.7
52.5°	306.7	317.6	327.6	336.9	345.6	353.8	361.3	367.7	372.7	377.3	381.0
50°	327.3	338.8	349.8	360.1	369.7	378.6	386.8	393.7	399.7	404.9	408.9
47.5°	347.6	360.1	371.9	383.2	393.5	403.4	412.4	420.0	425.8	431.1	435.6
45°	367.5	381.0	393.9	406.2	417.5	427.2	436.4	444.9	452.2	458.1	463.0
42.5°	387.3	401.9	415.7	428.3	440.3	451.5	461.6	470.6	478.4	484.6	489.4
40°	406.9	422.2	436.7	450.5	463.4	475.1	485.9	495.2	503.4	510.2	515.6
37.5°	425.8	442.0	457.5	472.0	485.6	498.0	509.2	519.3	528.9	535.3	540.9
35°	444.1	461.2	477.3	492.8	507.2	520.3	532.4	542.8	552.6	560.5	565.8
32.5°	461.7	479.6	496.7	513.0	527.9	541.7	554.6	565.6	575.0	583.6	590.2
30°	478.3	497.3	515.3	531.9	547.7	562.7	575.5	587.5	598.2	607.6	613.7
27.5°	494.3	514.1	532.6	550.2	566.9	582.1	596.0	608.7	618.4	627.0	634.6
25°	509.3	529.6	549.1	567.6	584.8	600.4	614.6	627.1	638.3	647.9	654.7
22.5°	523.0	544.2	564.6	583.5	601.1	617.2	632.1	645.4	656.4	666.5	674.7
20°	535.8	557.6	578.4	598.0	616.1	633.0	648.3	661.5	673.6	683.7	691.4
17.5°	547.2	569.7	591.0	611.1	629.8	647.1	662.5	676.4	688.5	698.8	706.7
15°	557.3	580.2	602.2	622.7	641.8	659.6	675.5	689.5	702.1	712.5	720.6
12.5°	566.2	589.1	611.7	632.8	652.5	670.4	686.5	701.1	713.8	724.5	733.4
10°	573.5	596.7	619.7	640.9	661.3	679.4	696.0	710.8	723.7	734.6	743.0
7.5°	579.0	602.7	625.9	647.3	667.8	686.7	703.3	718.6	731.4	742.1	750.9
5°	582.6	607.2	630.7	651.9	672.9	692.5	708.9	724.0	737.0	747.9	756.9
2.5°	584.7	610.1	633.7	655.1	676.3	695.2	713.0	727.9	739.9	751.1	759.9
0°	585.5	611.3	635.0	656.4	677.8	696.2	715.1	729.9	740.9	752.3	760.0
-2.5°	585.2	610.6	634.1	655.6	676.7	695.5	713.4	728.2	740.3	751.1	759.8
-5°	583.6	608.0	631.3	653.1	673.8	692.8	709.8	725.0	738.7	747.9	757.2
-7.5°	580.5	604.0	626.3	648.5	669.3	688.1	704.7	719.9	732.6	743.4	751.9
-10°	575.4	599.0	620.8	641.7	662.7	681.6	697.6	712.4	725.6	737.1	745.8
-12.5°	568.2	591.8	614.3	635.3	655.5	673.1	689.3	704.7	716.2	727.8	735.6
-15°	560.1	583.2	605.1	624.3	644.5	663.1	679.4	694.1	707.1	715.0	722.8
-17.5°	550.7	573.3	595.4	615.4	633.6	652.0	667.2	681.4	693.7	702.9	709.6
-20°	540.0	561.9	583.5	603.3	621.4	637.7	654.4	666.8	677.9	686.7	695.4

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	528.5	549.5	569.6	590.0	607.8	624.1	637.7	651.2	661.4	670.0	676.6
-25°	515.6	536.0	555.5	574.3	592.6	608.4	621.5	633.2	644.0	652.2	658.7
-27.5°	500.6	521.4	540.1	557.8	574.9	590.4	603.0	614.2	625.4	633.8	640.0
-30°	485.9	504.3	523.7	540.7	556.0	569.7	583.3	594.2	603.6	611.5	618.7
-32.5°	470.1	488.1	504.4	522.2	536.5	549.9	561.4	572.5	581.8	589.4	595.8
-35°	453.0	470.9	487.2	500.8	515.4	528.5	540.0	550.3	558.6	565.9	572.2
-37.5°	434.7	451.4	467.7	481.5	493.5	505.5	516.3	526.4	534.8	542.4	547.6
-40°	416.1	431.8	446.1	460.0	472.5	483.4	492.9	502.4	509.3	515.7	521.4
-42.5°	397.3	411.4	424.7	437.3	449.0	460.1	469.5	477.8	484.8	490.9	495.7
-45°	377.6	390.7	402.9	414.5	425.6	435.5	444.6	452.7	459.5	464.9	469.2
-47.5°	356.9	369.5	380.9	391.6	401.5	410.7	419.2	426.9	433.0	438.2	442.3
-50°	336.5	347.5	358.3	368.5	377.7	386.0	393.3	400.1	405.9	410.7	414.6
-52.5°	314.7	325.8	335.7	344.7	353.2	361.0	368.0	374.2	379.4	383.4	386.7
-55°	293.4	303.4	312.3	321.0	328.9	336.0	342.3	347.8	352.5	356.3	359.4
-57.5°	271.7	280.4	289.2	297.0	304.1	310.5	316.3	321.5	325.8	329.3	332.0
-60°	250.6	258.7	266.3	273.2	279.2	285.4	290.9	295.1	298.7	301.9	304.4
-62.5°	229.6	236.5	243.2	249.4	255.4	260.9	265.8	269.5	272.2	274.5	276.3
-65°	208.7	215.0	220.9	226.4	231.3	235.7	239.7	242.9	245.7	248.0	249.8
-67.5°	188.1	193.3	198.4	203.3	207.7	211.7	215.1	218.0	220.3	222.2	223.5
-70°	168.0	172.7	177.0	181.0	184.6	187.7	190.4	192.6	194.7	196.4	197.6
-72.5°	148.0	151.9	155.6	158.9	162.0	164.8	167.1	169.0	170.6	171.8	172.7
-75°	128.9	131.9	134.6	137.2	139.5	141.6	143.4	145.1	146.5	147.6	148.3
-77.5°	110.6	112.9	115.0	116.9	118.7	120.2	121.5	122.6	123.5	124.3	124.8
-80°	93.4	95.1	96.7	98.1	99.4	100.4	101.3	102.0	102.5	103.0	103.3
-82.5°	77.6	78.6	79.5	80.3	81.0	81.7	82.2	82.6	82.9	83.2	83.3
-85°	63.0	63.5	64.0	64.4	64.7	65.0	65.2	65.3	65.4	65.4	65.4
-87.5°	50.1	50.2	50.2	50.2	50.2	50.2	50.1	50.0	49.9	49.8	49.6
-90°	37.8	37.6	37.5	37.3	37.2	37.0	36.7	36.4	36.1	35.8	35.5

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	36.0	35.7	35.5	35.2	34.9	34.5	34.2	33.9	33.5	33.2	32.9
87.5°	48.6	48.3	48.0	47.7	47.4	47.1	46.8	46.4	46.1	45.6	45.2
85°	64.3	64.1	63.8	63.4	63.1	62.7	62.2	61.7	61.1	60.4	59.7
82.5°	82.2	82.1	81.8	81.5	81.0	80.5	79.9	79.1	78.3	77.4	76.3
80°	102.0	101.9	101.7	101.4	100.9	100.3	99.5	98.5	97.4	96.1	94.7
77.5°	123.6	123.7	123.6	123.3	122.7	121.9	120.9	119.8	118.4	116.8	115.0
75°	146.6	146.8	146.8	146.5	145.8	144.9	143.7	142.2	140.4	138.4	136.2
72.5°	170.7	171.2	171.4	171.3	170.4	169.3	167.8	165.9	163.8	161.3	158.7
70°	195.8	196.4	196.6	196.4	195.5	194.2	192.6	190.5	188.1	185.4	182.3
67.5°	221.2	222.0	222.3	222.2	221.3	219.9	218.1	215.9	213.2	209.9	206.2
65°	247.1	248.0	248.4	248.3	247.4	245.9	243.9	241.4	238.4	234.8	230.7
62.5°	273.9	275.1	275.6	275.6	274.5	272.8	270.5	267.6	264.2	260.1	255.4
60°	301.4	302.7	303.3	303.2	302.1	300.2	297.7	294.4	290.3	285.7	280.8
57.5°	328.6	330.0	330.7	330.6	329.5	327.7	325.2	321.9	317.9	313.0	307.4
55°	356.2	357.8	358.5	358.4	357.2	355.2	352.3	348.6	344.0	338.8	333.1
52.5°	383.8	385.5	386.3	386.2	385.0	382.8	379.8	375.7	370.7	365.0	358.6
50°	411.8	413.7	414.5	414.4	413.1	410.9	407.6	403.5	398.3	392.0	384.8
47.5°	439.0	441.1	442.0	442.0	440.8	438.5	435.3	430.5	424.6	417.7	410.2
45°	466.6	469.0	470.2	470.2	468.8	466.2	462.6	457.9	451.7	444.2	435.9
42.5°	493.0	495.8	497.3	497.4	495.7	492.7	488.5	483.5	477.5	469.8	461.1
40°	520.0	522.8	524.0	523.9	522.5	519.7	515.6	509.9	502.6	494.0	484.8
37.5°	545.3	548.3	549.7	549.6	547.9	544.5	539.8	534.4	527.8	519.5	509.0
35°	570.3	573.5	575.0	575.0	573.2	569.9	565.2	559.1	551.9	541.5	531.6
32.5°	595.1	598.3	599.7	599.4	597.6	594.1	589.1	582.6	574.2	564.6	554.0
30°	618.2	621.8	623.9	624.3	622.0	617.9	612.2	605.3	597.1	586.8	575.2
27.5°	640.2	644.0	645.4	645.2	643.3	639.6	634.0	627.0	617.4	606.9	595.7
25°	661.1	664.8	666.8	666.8	664.7	660.7	654.7	647.0	637.6	627.0	614.1
22.5°	680.6	683.8	685.6	685.6	683.5	679.5	673.7	666.0	656.4	644.6	632.0
20°	697.4	701.4	704.0	704.8	702.4	697.7	691.2	683.2	673.1	661.3	647.7
17.5°	714.0	717.3	719.7	720.0	717.6	713.1	706.8	699.3	688.6	676.6	661.8
15°	726.9	731.4	732.7	732.8	730.6	726.4	719.8	711.9	701.5	689.6	675.2
12.5°	739.0	743.2	745.6	745.9	743.3	739.1	732.6	723.5	713.0	699.9	686.0
10°	749.4	752.7	755.6	756.2	752.8	749.4	742.1	733.5	722.5	710.1	693.8
7.5°	757.5	762.0	764.0	764.1	760.6	757.2	750.4	741.3	730.4	716.8	700.6
5°	763.5	767.6	770.2	769.7	765.8	763.4	756.2	747.3	735.6	722.6	707.4
2.5°	766.9	771.1	773.0	772.0	770.4	765.4	758.8	750.2	739.6	725.8	710.6
0°	768.3	773.0	775.1	774.0	772.3	768.4	761.3	750.4	740.7	726.5	711.6
-2.5°	767.0	772.0	774.2	772.2	770.1	765.3	758.8	749.2	739.0	725.1	710.2
-5°	764.0	768.1	769.8	769.8	765.9	762.0	754.9	745.9	734.7	721.6	706.7
-7.5°	758.6	762.0	761.8	763.9	761.9	755.6	749.7	740.7	729.4	716.2	701.2
-10°	750.8	755.0	756.5	756.8	753.8	749.2	742.2	733.4	722.4	709.3	694.6
-12.5°	741.0	744.9	747.1	746.6	744.0	739.4	733.2	723.9	713.1	700.3	685.9
-15°	729.6	733.5	735.6	736.1	733.2	727.6	720.6	712.5	702.0	689.5	675.2
-17.5°	713.8	718.6	721.2	721.4	718.7	714.2	707.5	700.6	689.1	676.7	662.5
-20°	699.6	703.7	705.6	705.2	703.8	699.8	692.9	684.7	673.8	661.7	648.4

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	682.0	686.3	689.1	689.5	686.7	681.8	675.0	666.3	656.6	645.3	632.9
-25°	664.1	668.0	670.5	671.1	667.8	662.6	655.7	647.3	639.0	628.5	615.3
-27.5°	644.7	648.0	650.0	650.3	647.3	642.7	637.0	629.5	619.4	608.8	597.0
-30°	623.8	626.9	628.5	628.2	625.5	621.0	614.9	608.0	599.3	588.1	576.0
-32.5°	600.1	603.2	604.9	604.9	602.4	598.2	592.2	584.2	575.7	566.3	555.3
-35°	576.7	579.6	581.2	581.2	578.6	574.4	568.7	561.6	553.6	543.7	533.2
-37.5°	551.3	554.0	555.4	555.3	552.9	549.0	543.6	537.2	529.3	519.4	509.9
-40°	525.4	528.0	529.2	529.0	526.6	522.9	518.0	511.9	504.6	496.3	486.8
-42.5°	498.9	500.8	501.7	501.4	499.5	496.4	492.0	486.2	478.6	470.4	461.9
-45°	472.3	474.2	474.9	474.5	472.6	469.5	465.4	460.2	453.5	445.4	436.9
-47.5°	445.3	447.2	448.1	447.9	445.8	442.7	438.5	433.4	427.3	420.1	412.2
-50°	417.5	419.4	420.3	420.0	418.2	415.3	411.4	406.4	400.7	394.5	387.2
-52.5°	389.2	390.9	391.6	391.4	389.8	387.2	383.6	379.2	374.0	367.8	360.5
-55°	361.7	363.1	363.7	363.4	361.7	359.2	355.9	351.7	346.8	341.1	334.7
-57.5°	334.0	335.2	335.7	335.4	333.8	331.5	328.3	324.4	320.0	314.9	309.0
-60°	306.3	307.5	308.0	307.8	306.3	304.1	301.2	297.6	293.5	288.8	283.5
-62.5°	277.8	278.6	278.8	278.3	277.2	275.4	272.9	269.8	266.3	262.2	257.5
-65°	251.0	251.6	251.6	251.1	250.0	248.4	246.2	243.5	240.2	236.4	232.1
-67.5°	224.5	224.9	224.9	224.4	223.4	221.9	219.9	217.5	214.7	211.3	207.5
-70°	198.4	198.7	198.6	198.1	197.1	195.8	194.0	191.9	189.4	186.5	183.3
-72.5°	173.2	173.4	173.2	172.7	171.8	170.6	169.1	167.2	165.1	162.5	159.6
-75°	148.7	148.8	148.7	148.2	147.3	146.2	144.7	143.1	141.1	138.9	136.4
-77.5°	125.2	125.3	125.1	124.8	124.0	123.0	121.8	120.3	118.7	116.9	114.9
-80°	103.4	103.4	103.2	102.9	102.2	101.3	100.3	99.2	97.9	96.4	94.8
-82.5°	83.3	83.2	83.0	82.7	82.1	81.3	80.5	79.6	78.6	77.5	76.3
-85°	65.2	65.1	64.8	64.5	64.0	63.4	62.8	62.1	61.3	60.5	59.7
-87.5°	49.4	49.2	49.0	48.7	48.3	47.8	47.3	46.8	46.3	45.7	45.2
-90°	35.2	34.9	34.6	34.3	34.1	33.9	33.7	33.5	33.2	33.0	32.8

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	32.5	32.2	32.0	31.8	31.6	31.4	31.3	31.1	30.9	30.7	30.5
87.5°	44.7	44.3	43.7	43.2	42.7	42.1	41.5	40.9	40.3	39.7	39.1
85°	59.0	58.1	57.3	56.4	55.5	54.5	53.4	52.4	51.3	50.1	48.9
82.5°	75.2	73.9	72.6	71.3	69.8	68.2	66.6	65.0	63.3	61.6	59.8
80°	93.2	91.5	89.6	87.7	85.7	83.6	81.4	79.1	76.7	74.2	71.7
77.5°	113.0	110.9	108.5	105.9	103.2	100.4	97.4	94.3	91.2	87.9	84.7
75°	133.7	131.1	128.1	125.0	121.6	118.2	114.6	110.8	106.7	102.5	98.4
72.5°	155.8	152.6	149.1	145.3	141.2	136.9	132.5	127.8	122.9	117.9	113.1
70°	178.7	174.9	170.9	166.4	161.7	156.7	151.5	145.9	140.0	134.1	128.2
67.5°	202.1	197.6	192.8	187.8	182.6	176.9	171.1	164.8	158.1	151.2	144.1
65°	226.0	220.9	215.8	210.3	203.9	197.1	190.5	183.4	176.0	168.5	160.7
62.5°	250.3	245.0	239.1	232.6	225.5	218.1	210.7	202.4	193.8	185.7	176.7
60°	275.3	269.1	262.4	255.3	247.8	239.8	230.8	221.7	212.5	202.9	192.9
57.5°	300.8	293.7	286.1	278.3	269.8	260.8	251.6	241.8	231.1	220.3	209.7
55°	326.5	319.4	310.9	301.7	292.1	282.4	271.8	261.0	250.1	238.5	226.0
52.5°	351.3	343.0	334.3	324.9	315.0	303.6	292.2	280.9	268.2	255.8	243.0
50°	376.6	367.6	357.9	347.6	336.6	324.7	312.9	299.5	286.7	273.0	259.0
47.5°	401.7	392.3	381.8	370.2	358.3	345.9	332.6	319.0	304.7	289.9	275.2
45°	426.3	415.8	404.5	392.9	380.2	366.2	352.2	338.0	322.5	307.2	290.5
42.5°	451.4	439.6	427.6	414.8	400.7	386.9	371.4	356.1	340.3	323.3	306.7
40°	475.0	462.9	450.5	436.1	421.7	405.9	390.5	374.2	357.1	339.8	321.6
37.5°	497.4	484.9	472.4	457.4	441.6	425.2	408.8	391.5	373.7	355.2	336.4
35°	520.5	506.7	492.8	477.5	461.3	444.2	426.4	408.3	389.4	370.2	350.3
32.5°	540.8	528.0	513.0	496.7	479.7	462.2	443.5	424.4	404.6	384.2	363.7
30°	561.9	547.8	531.3	515.6	497.3	479.0	459.5	439.4	418.9	398.0	376.1
27.5°	581.9	566.5	550.3	532.2	514.8	494.6	474.9	453.6	432.2	410.0	387.8
25°	600.2	584.4	567.6	549.6	530.3	510.2	487.7	467.1	445.0	422.5	399.5
22.5°	617.3	600.9	583.5	564.8	545.1	524.9	502.5	479.4	455.9	432.7	408.6
20°	633.3	616.4	598.2	579.0	558.6	537.1	514.5	489.2	466.5	442.8	418.5
17.5°	646.6	630.6	611.2	591.6	570.5	548.6	526.0	501.7	476.8	451.5	427.0
15°	659.4	641.0	623.2	601.8	580.7	558.5	535.3	510.2	483.8	459.4	433.8
12.5°	669.3	652.1	633.7	611.7	590.0	567.0	543.1	518.4	491.8	466.3	440.0
10°	678.0	660.6	639.9	620.1	597.3	574.5	550.1	524.8	499.2	472.2	445.0
7.5°	685.0	666.5	647.4	626.8	603.3	579.8	555.1	529.7	503.7	476.8	449.2
5°	690.1	670.9	652.7	631.1	607.8	583.7	558.6	533.1	506.8	479.7	452.3
2.5°	693.2	673.7	655.7	633.3	610.5	586.0	560.6	535.1	508.7	481.5	454.2
0°	694.6	674.4	656.5	634.0	611.3	586.6	561.1	535.6	509.3	482.1	454.9
-2.5°	693.5	673.7	655.2	632.9	610.2	585.8	560.4	534.9	508.6	481.5	454.2
-5°	690.3	670.9	652.1	629.9	607.4	583.4	558.1	532.6	506.6	479.6	452.3
-7.5°	684.8	666.2	647.1	625.2	603.0	579.4	554.3	528.8	503.2	476.5	449.1
-10°	677.8	659.2	640.0	618.8	596.7	573.7	549.0	523.6	498.4	471.9	444.8
-12.5°	669.3	651.3	631.7	610.4	588.8	565.9	542.2	517.2	492.1	466.2	439.6
-15°	658.9	641.5	622.1	601.6	579.9	556.9	533.7	509.5	484.7	459.4	433.5
-17.5°	647.0	629.8	610.9	590.9	569.6	547.3	524.1	500.3	476.1	451.3	426.1
-20°	633.5	616.4	598.1	578.7	557.9	536.4	513.6	490.3	466.3	442.2	417.5

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	617.9	601.3	584.0	565.1	545.1	523.9	501.9	479.2	455.9	432.1	408.0
-25°	601.0	585.4	568.3	549.9	530.7	510.2	489.1	467.0	444.6	421.2	397.9
-27.5°	582.6	567.8	551.2	533.8	515.1	495.5	475.0	454.0	432.1	409.6	387.0
-30°	563.2	549.0	533.2	516.3	498.4	479.6	460.1	439.7	418.6	397.3	375.5
-32.5°	542.8	529.1	513.9	497.9	480.7	462.9	444.1	424.5	404.5	384.0	362.9
-35°	521.0	507.9	494.1	478.5	462.4	445.2	427.2	408.7	389.6	369.9	349.9
-37.5°	499.1	486.7	472.6	458.4	442.9	426.6	409.7	392.1	374.0	355.3	336.1
-40°	475.1	463.9	451.4	437.4	422.9	407.6	391.5	374.9	357.7	339.9	321.6
-42.5°	452.2	440.7	428.9	416.2	402.5	388.0	372.9	357.1	340.8	323.9	307.0
-45°	427.8	417.6	406.4	394.3	381.6	367.9	353.6	338.8	323.4	307.9	291.3
-47.5°	403.3	393.9	383.6	372.0	360.0	347.1	333.9	320.1	306.0	290.6	275.0
-50°	378.6	369.5	359.6	349.0	338.0	326.2	314.0	301.1	286.9	272.8	258.9
-52.5°	352.6	344.6	335.8	326.1	315.9	305.2	293.2	280.4	268.0	255.5	242.6
-55°	327.5	319.9	312.0	303.1	293.3	282.8	272.2	261.0	249.6	238.0	226.1
-57.5°	302.4	295.5	287.9	279.7	270.8	261.3	251.7	241.5	231.0	220.4	209.7
-60°	277.8	271.0	263.7	256.4	248.5	240.1	231.2	222.0	212.6	203.0	193.1
-62.5°	252.3	246.5	240.2	233.5	226.3	218.7	211.0	202.8	194.2	185.5	176.7
-65°	227.2	222.0	216.8	211.1	204.6	197.9	190.8	183.6	176.0	168.2	160.3
-67.5°	203.2	198.6	193.7	188.5	183.1	177.3	171.1	164.7	158.0	151.1	144.1
-70°	179.6	175.6	171.3	166.8	162.1	157.0	151.6	146.0	140.3	134.5	128.4
-72.5°	156.4	152.9	149.3	145.4	141.3	137.0	132.6	128.0	123.2	118.2	113.1
-75°	133.7	130.9	128.0	124.9	121.5	118.1	114.5	110.6	106.7	102.5	98.5
-77.5°	112.7	110.4	108.0	105.5	102.9	100.2	97.3	94.3	91.2	88.0	84.7
-80°	93.1	91.2	89.4	87.6	85.5	83.4	81.2	78.9	76.6	74.2	71.6
-82.5°	75.0	73.6	72.4	71.0	69.6	68.0	66.5	64.8	63.2	61.5	59.7
-85°	58.7	57.8	57.0	56.1	55.2	54.2	53.1	52.1	51.0	49.9	48.8
-87.5°	44.6	43.9	43.5	43.0	42.4	41.9	41.4	40.8	40.2	39.6	39.0
-90°	32.6	32.4	32.2	32.0	31.7	31.5	31.3	31.1	30.8	30.6	30.4

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	30.3	30.2	30.0	29.9	29.7	29.6	29.4	29.3	29.1	29.1	29.2
87.5°	38.6	38.1	37.6	37.1	36.6	36.0	35.4	34.9	34.3	33.8	33.2
85°	47.8	46.7	45.6	44.5	43.5	42.4	41.3	40.2	39.1	38.0	36.9
82.5°	58.1	56.5	54.8	53.0	51.3	49.5	47.7	45.8	44.1	42.4	40.7
80°	69.3	66.9	64.4	62.0	59.5	57.0	54.5	52.0	49.5	47.1	44.6
77.5°	81.5	78.2	74.9	71.6	68.3	65.0	61.7	58.4	55.2	52.0	48.9
75°	94.4	90.3	86.1	82.0	77.7	73.5	69.2	65.1	61.1	57.1	53.2
72.5°	108.2	103.0	97.9	92.7	87.6	82.4	77.2	72.2	67.2	62.3	57.7
70°	122.2	116.3	110.3	104.0	97.8	91.6	85.6	79.5	73.6	67.9	62.2
67.5°	137.0	130.0	122.8	115.7	108.5	101.2	94.0	87.1	80.2	73.5	67.0
65°	152.5	144.2	135.9	127.5	119.3	111.1	102.9	94.7	87.0	79.3	71.9
62.5°	168.0	158.8	149.4	139.9	130.4	121.0	111.9	102.7	93.7	85.2	76.7
60°	183.3	173.1	162.9	152.3	141.8	131.2	120.8	110.7	100.6	91.0	81.7
57.5°	198.4	187.4	176.0	164.7	153.1	141.5	129.9	118.6	107.7	96.9	86.7
55°	214.0	201.7	189.3	176.8	164.3	151.6	139.1	126.6	114.6	102.9	91.5
52.5°	229.4	216.0	202.5	188.9	175.2	161.7	148.1	134.8	121.5	108.8	96.5
50°	244.9	230.1	215.6	200.9	186.2	171.5	157.0	142.6	128.4	114.7	101.3
47.5°	259.8	244.3	228.3	212.7	196.9	181.2	165.8	150.4	135.3	120.4	106.2
45°	274.5	257.9	241.1	224.0	207.4	190.8	174.4	158.1	141.8	126.0	110.9
42.5°	288.6	271.1	253.5	235.4	217.7	200.1	182.7	165.6	148.3	131.6	115.4
40°	303.2	284.0	265.2	246.4	227.4	209.1	190.9	172.7	154.6	136.9	119.8
37.5°	317.2	296.7	276.9	257.0	237.2	217.9	198.7	179.6	160.8	142.0	124.1
35°	330.0	309.8	287.4	267.0	246.7	226.1	206.0	186.2	166.7	146.9	128.2
32.5°	342.5	320.8	298.8	277.0	255.5	234.1	213.2	192.7	172.1	151.6	132.1
30°	354.3	331.9	309.8	285.9	263.9	241.9	219.8	198.5	177.3	156.2	135.8
27.5°	365.6	342.2	319.0	294.9	271.9	249.0	226.1	203.8	182.1	160.6	139.2
25°	375.4	351.9	327.7	303.6	279.4	255.4	232.0	209.0	186.7	164.6	142.3
22.5°	385.0	360.8	336.0	311.6	285.6	261.5	237.5	213.7	190.9	168.1	145.2
20°	393.9	368.8	343.5	318.0	291.8	267.0	242.6	218.0	194.7	171.3	147.9
17.5°	401.5	375.8	350.0	323.8	297.6	272.2	247.0	221.9	197.9	174.2	150.3
15°	407.6	382.2	355.6	329.2	302.6	276.8	250.7	225.2	200.7	176.7	152.4
12.5°	413.5	387.7	360.6	333.7	306.9	280.3	253.8	228.1	203.0	178.8	154.3
10°	418.9	392.0	364.7	337.5	310.3	283.1	256.3	230.5	205.0	180.6	155.8
7.5°	422.9	395.1	367.8	340.5	312.9	285.2	258.5	232.4	206.6	181.9	157.1
5°	425.3	397.2	370.1	342.6	314.7	286.7	260.0	233.7	207.7	182.9	158.0
2.5°	426.8	398.3	371.5	343.8	315.7	287.6	260.9	234.5	208.4	183.5	158.5
0°	427.2	398.5	372.0	344.2	316.0	287.9	261.3	234.8	208.6	183.7	158.7
-2.5°	426.6	398.1	371.4	343.7	315.6	287.6	260.9	234.5	208.4	183.5	158.5
-5°	425.1	396.9	369.9	342.4	314.5	286.8	260.0	233.7	207.7	182.9	157.9
-7.5°	422.5	394.7	367.4	340.2	312.5	285.3	258.5	232.4	206.6	181.9	157.0
-10°	418.4	391.5	364.1	337.1	309.9	283.1	256.3	230.6	205.0	180.5	155.7
-12.5°	413.1	387.2	359.9	333.3	306.4	280.4	253.8	228.2	203.0	178.7	154.1
-15°	407.1	381.7	354.9	328.7	302.3	276.8	250.7	225.3	200.6	176.5	152.2
-17.5°	400.4	375.3	349.2	323.3	297.4	272.2	247.0	221.9	197.8	174.0	150.1
-20°	392.8	367.7	342.7	317.2	291.9	267.1	242.6	217.9	194.5	171.1	147.6

REPORT NUMBER: P1209894 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	384.1	359.5	335.1	310.4	285.9	261.5	237.6	213.6	190.7	167.9	144.8
-25°	374.4	350.7	326.9	303.0	279.5	255.4	232.1	208.9	186.5	164.3	141.8
-27.5°	363.9	341.1	317.9	294.9	272.0	249.0	226.2	203.8	181.9	160.2	138.6
-30°	353.2	330.7	308.4	286.2	263.9	241.9	219.8	198.3	177.0	155.8	135.1
-32.5°	341.7	319.9	298.4	277.1	255.5	234.3	213.0	192.4	171.8	151.1	131.4
-35°	329.4	308.7	287.9	267.1	246.7	226.2	205.9	186.0	166.2	146.2	127.5
-37.5°	316.5	296.9	276.9	256.9	237.3	217.7	198.5	179.3	160.3	141.1	123.4
-40°	303.4	284.3	265.2	246.5	227.5	209.0	190.6	172.3	154.0	135.9	119.1
-42.5°	289.1	271.1	253.4	235.5	217.5	199.9	182.3	165.0	147.3	130.6	114.6
-45°	274.4	257.8	241.1	224.1	207.3	190.4	173.8	157.4	140.6	125.1	110.0
-47.5°	259.6	244.2	228.4	212.6	196.7	180.7	165.1	149.4	134.0	119.4	105.3
-50°	244.7	230.1	215.5	200.7	185.8	170.9	156.2	141.2	127.2	113.6	100.5
-52.5°	229.4	216.0	202.4	188.6	174.8	160.9	146.7	133.3	120.4	107.8	95.7
-55°	214.0	201.7	189.1	176.4	163.6	150.6	137.5	125.3	113.4	101.8	90.7
-57.5°	198.5	187.2	175.7	164.0	152.2	140.1	128.5	117.2	106.4	95.9	85.8
-60°	183.0	172.7	162.3	151.5	140.6	130.0	119.5	109.2	99.4	90.0	80.8
-62.5°	167.6	158.3	148.7	139.0	129.5	119.9	110.5	101.2	92.6	84.1	75.8
-65°	152.1	143.8	135.4	126.9	118.4	110.0	101.6	93.5	85.7	78.2	70.9
-67.5°	137.0	129.7	122.4	115.0	107.6	100.2	93.0	85.8	79.0	72.4	66.1
-70°	122.2	116.0	109.7	103.3	97.0	90.7	84.5	78.3	72.4	66.8	61.3
-72.5°	107.9	102.6	97.4	92.1	86.8	81.5	76.2	70.9	66.0	61.2	56.7
-75°	94.3	90.0	85.7	81.3	76.9	72.5	68.2	63.9	59.8	56.0	52.3
-77.5°	81.3	77.9	74.5	71.0	67.5	64.1	60.6	57.2	53.9	50.9	48.0
-80°	69.1	66.6	64.0	61.3	58.7	56.0	53.5	50.9	48.3	46.1	43.8
-82.5°	57.9	56.1	54.2	52.4	50.4	48.6	46.8	44.9	43.1	41.5	39.9
-85°	47.6	46.5	45.3	44.1	42.9	41.7	40.5	39.3	38.1	37.1	36.1
-87.5°	38.5	37.9	37.3	36.6	36.0	35.4	34.7	34.1	33.4	33.0	32.6
-90°	30.3	30.3	30.2	30.1	30.1	30.0	29.9	29.9	29.8	29.8	29.7

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CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	29.2	29.2	29.3	29.3	29.3	29.4	29.4
87.5°	32.7	32.1	31.6	31.0	30.5	29.9	29.4
85°	35.8	34.7	33.6	32.6	31.5	30.4	29.4
82.5°	39.0	37.3	35.7	34.1	32.5	30.9	29.4
80°	42.3	40.0	37.8	35.6	33.5	31.4	29.4
77.5°	45.8	42.8	40.0	37.2	34.5	31.9	29.4
75°	49.4	45.7	42.2	38.8	35.5	32.4	29.4
72.5°	53.2	48.7	44.4	40.4	36.6	32.9	29.4
70°	56.9	51.8	46.7	42.0	37.6	33.4	29.4
67.5°	60.7	54.8	49.1	43.6	38.6	33.9	29.4
65°	64.7	57.9	51.4	45.3	39.6	34.3	29.4
62.5°	68.7	61.0	53.8	46.9	40.6	34.8	29.4
60°	72.7	64.1	56.1	48.6	41.6	35.3	29.4
57.5°	76.7	67.3	58.4	50.2	42.6	35.7	29.4
55°	80.8	70.5	60.7	51.9	43.5	36.2	29.4
52.5°	84.7	73.6	63.0	53.4	44.5	36.6	29.4
50°	88.7	76.6	65.3	55.0	45.4	37.0	29.4
47.5°	92.5	79.7	67.6	56.5	46.4	37.4	29.4
45°	96.3	82.6	69.8	58.0	47.3	37.8	29.4
42.5°	100.0	85.5	71.9	59.4	48.2	38.2	29.4
40°	103.6	88.3	74.0	60.7	49.0	38.5	29.4
37.5°	107.1	91.0	75.9	62.0	49.8	38.9	29.4
35°	110.4	93.5	77.8	63.3	50.6	39.2	29.4
32.5°	113.5	95.9	79.6	64.6	51.3	39.5	29.4
30°	116.4	98.2	81.3	65.8	52.0	39.8	29.4
27.5°	119.2	100.3	82.9	66.9	52.6	40.1	29.4
25°	121.8	102.4	84.3	67.9	53.2	40.3	29.4
22.5°	124.1	104.2	85.7	68.8	53.7	40.5	29.4
20°	126.2	105.9	86.9	69.6	54.1	40.7	29.4
17.5°	128.2	107.4	88.0	70.3	54.6	40.9	29.4
15°	129.8	108.6	89.0	71.0	54.9	41.1	29.4
12.5°	131.2	109.7	89.8	71.5	55.2	41.2	29.4
10°	132.4	110.6	90.4	72.0	55.5	41.3	29.4
7.5°	133.2	111.3	91.0	72.3	55.7	41.4	29.4
5°	133.9	111.8	91.3	72.6	55.8	41.5	29.4
2.5°	134.2	112.1	91.5	72.7	55.9	41.5	29.4
0°	134.3	112.2	91.6	72.8	55.9	41.5	29.4
-2.5°	134.2	112.0	91.5	72.7	55.9	41.5	29.4
-5°	133.8	111.7	91.3	72.5	55.8	41.4	29.4
-7.5°	133.1	111.2	90.9	72.3	55.6	41.4	29.4
-10°	132.2	110.5	90.3	71.9	55.4	41.3	29.4
-12.5°	131.0	109.5	89.7	71.4	55.2	41.2	29.4
-15°	129.6	108.4	88.8	70.9	54.8	41.0	29.4
-17.5°	127.9	107.1	87.8	70.2	54.5	40.9	29.4
-20°	125.9	105.6	86.7	69.5	54.0	40.7	29.4

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CATALOG NUMBER: BKHDR150CLD2D-LO-3500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	123.7	103.9	85.5	68.6	53.6	40.5	29.4
-25°	121.4	102.0	84.1	67.7	53.0	40.3	29.4
-27.5°	118.7	100.0	82.6	66.7	52.5	40.0	29.4
-30°	115.9	97.8	81.0	65.6	51.8	39.7	29.4
-32.5°	112.9	95.6	79.3	64.4	51.1	39.4	29.4
-35°	109.8	93.1	77.5	63.1	50.4	39.1	29.4
-37.5°	106.5	90.5	75.6	61.8	49.6	38.8	29.4
-40°	103.0	87.8	73.6	60.5	48.8	38.5	29.4
-42.5°	99.3	85.0	71.6	59.1	48.0	38.1	29.4
-45°	95.7	82.1	69.4	57.7	47.1	37.7	29.4
-47.5°	91.9	79.1	67.2	56.2	46.2	37.3	29.4
-50°	88.0	76.1	64.9	54.6	45.3	36.9	29.4
-52.5°	84.0	73.0	62.5	53.1	44.3	36.5	29.4
-55°	80.0	69.9	60.3	51.5	43.3	36.1	29.4
-57.5°	76.0	66.7	58.0	49.9	42.4	35.6	29.4
-60°	72.0	63.5	55.6	48.3	41.4	35.2	29.4
-62.5°	67.9	60.3	53.3	46.6	40.4	34.7	29.4
-65°	63.9	57.2	50.9	44.9	39.4	34.2	29.4
-67.5°	59.9	54.1	48.6	43.3	38.4	33.8	29.4
-70°	56.1	51.1	46.3	41.7	37.4	33.3	29.4
-72.5°	52.4	48.1	43.9	40.1	36.4	32.8	29.4
-75°	48.7	45.1	41.7	38.5	35.3	32.3	29.4
-77.5°	45.1	42.3	39.5	36.9	34.3	31.8	29.4
-80°	41.7	39.5	37.4	35.3	33.3	31.4	29.4
-82.5°	38.3	36.8	35.3	33.8	32.3	30.9	29.4
-85°	35.2	34.2	33.2	32.3	31.3	30.4	29.4
-87.5°	32.1	31.7	31.2	30.8	30.3	29.9	29.4
-90°	29.7	29.6	29.6	29.5	29.5	29.4	29.4

(END OF REPORT)