

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: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-HI-5000K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209906 (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-HI-5000K
Description: BULK HEAD 3500LM SEL 5CCT UNV D2D BRONZE at 5000K CCT

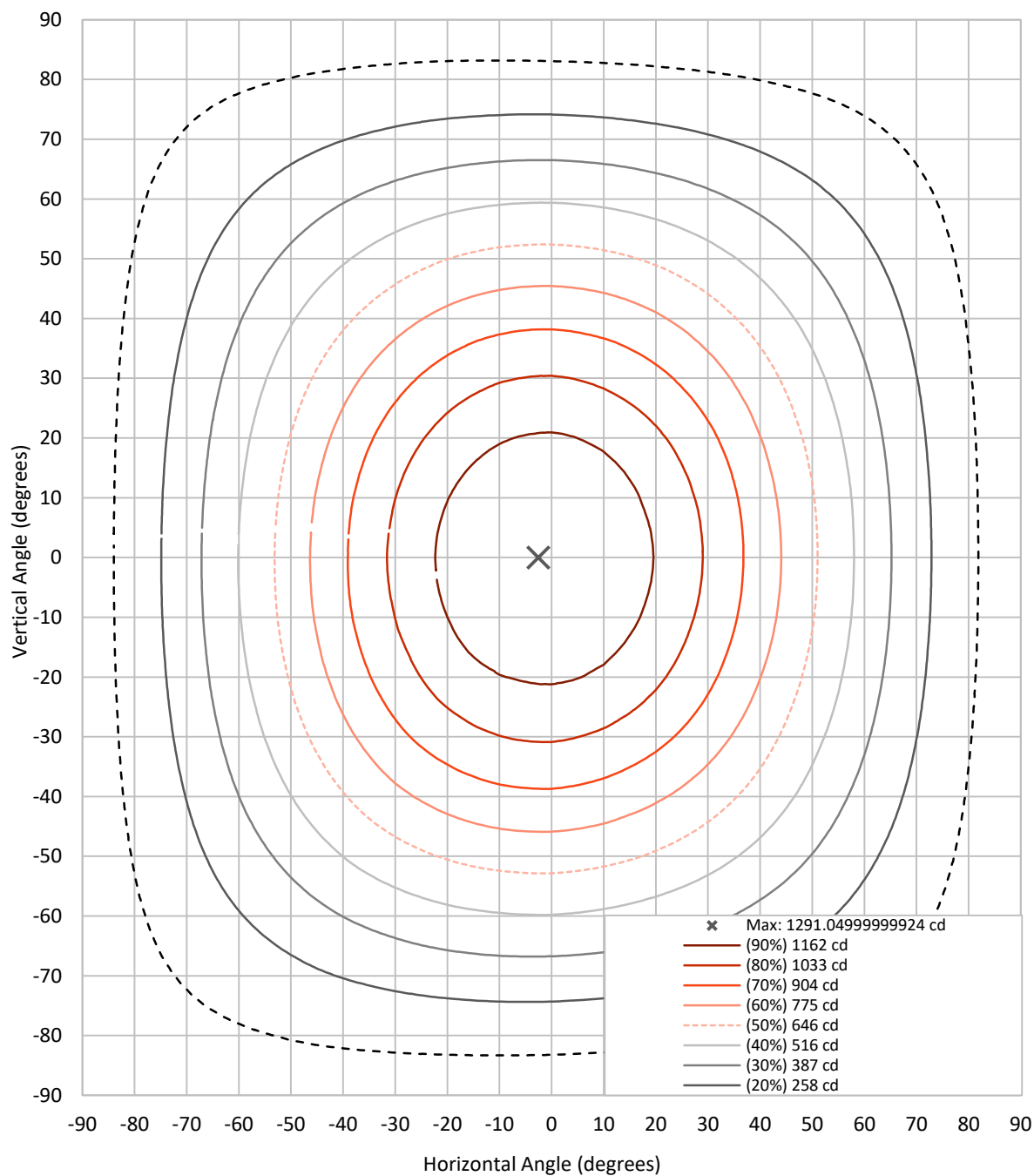
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	3497.5 lumens	Max Intensity:	1291 candela
Efficiency:	167.5%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	112.8 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 166.3°V
Beam Lumens:	2312.3 lumens	Field Lumens:	3426.9 lumens
Beam Efficiency:	66.1%	Field Efficiency:	98.0%
Input Watts (W):	31		
Input Voltage (V):			
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:			
Total Harmonic Distortion (THDi):			
Frequency (hertz):	60		
Stabilization Time:	HR		
Operation Time:	HR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

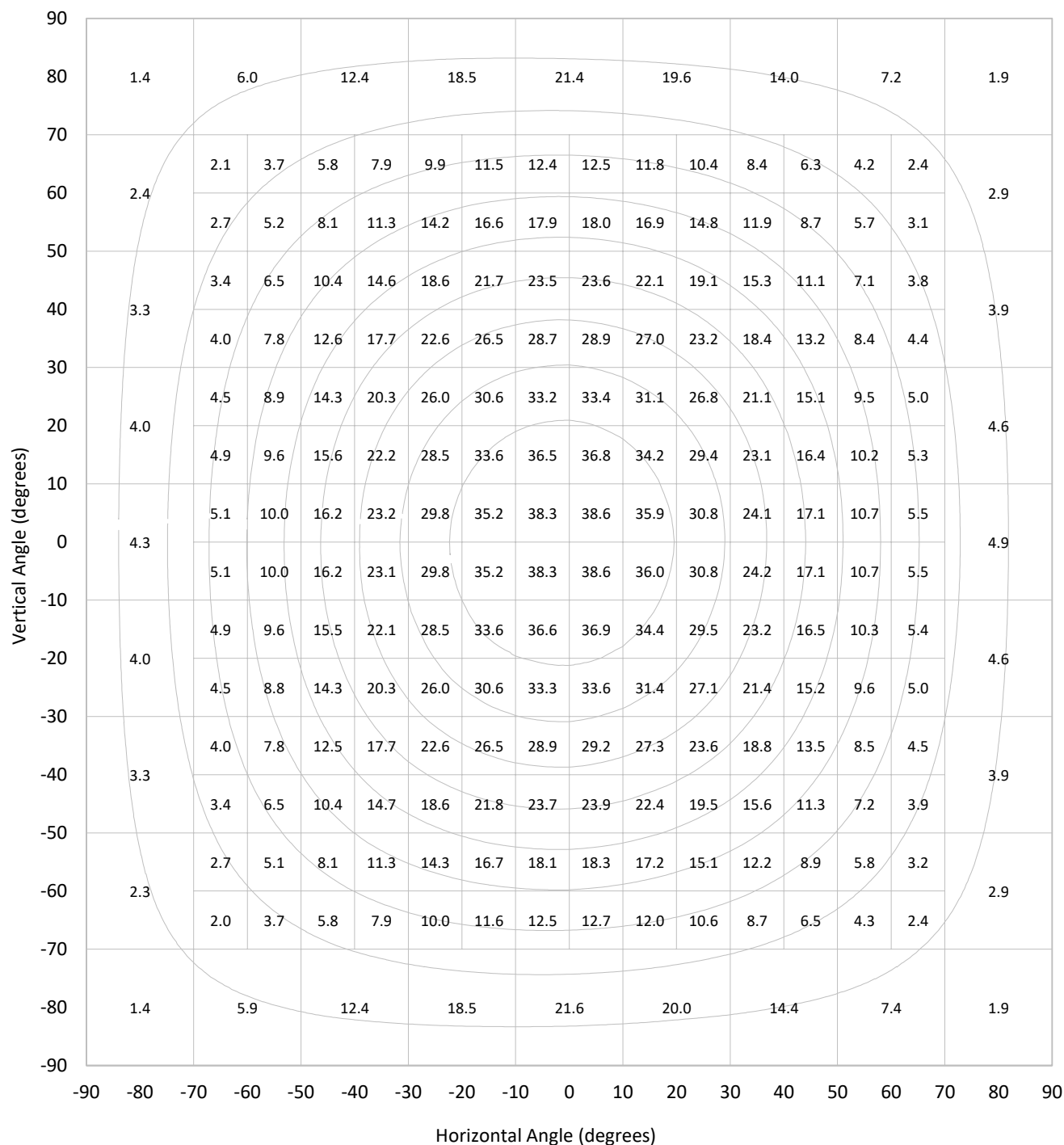
REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

Iso-Candela Plot



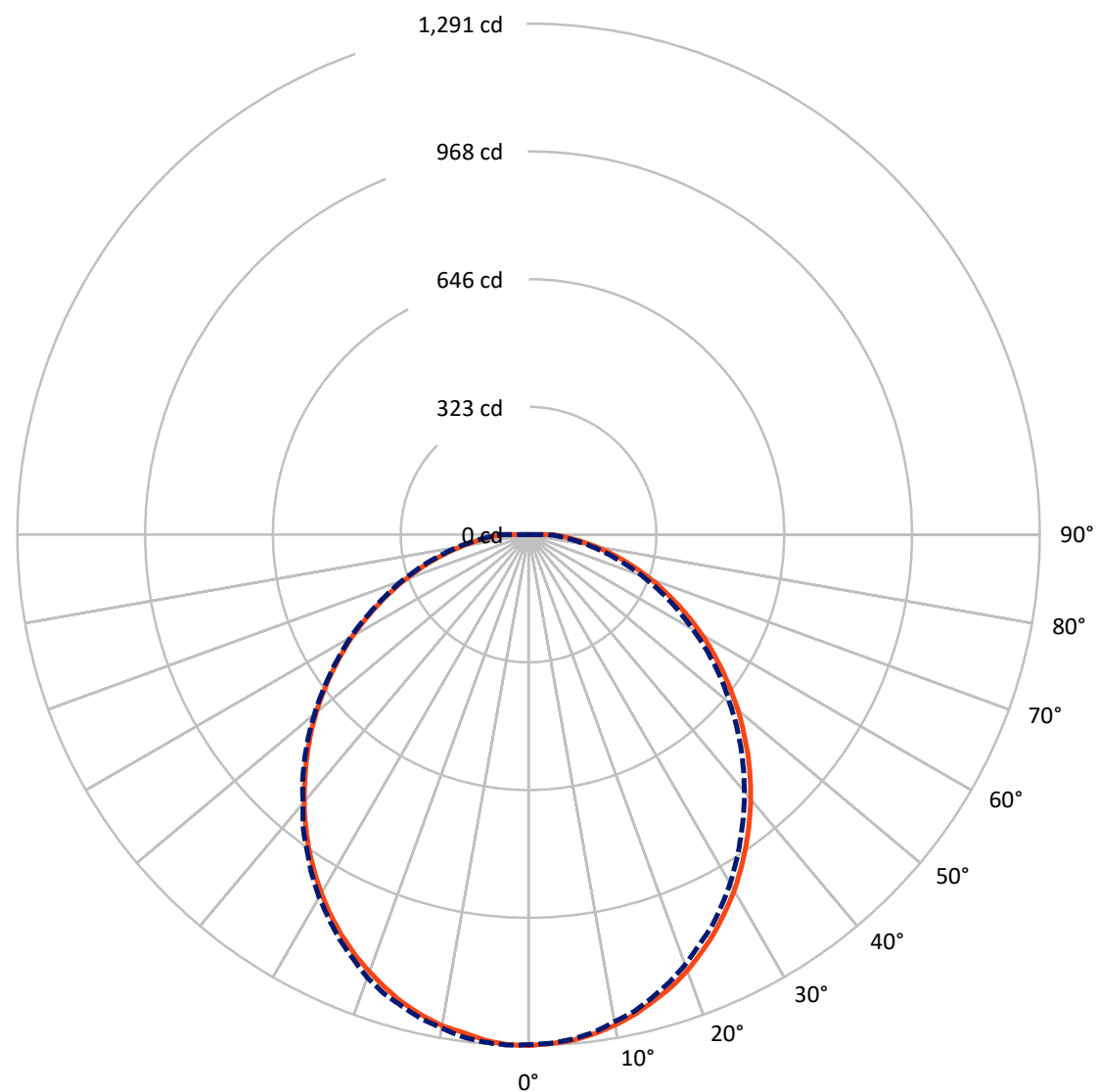
REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

Lumen Table



REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

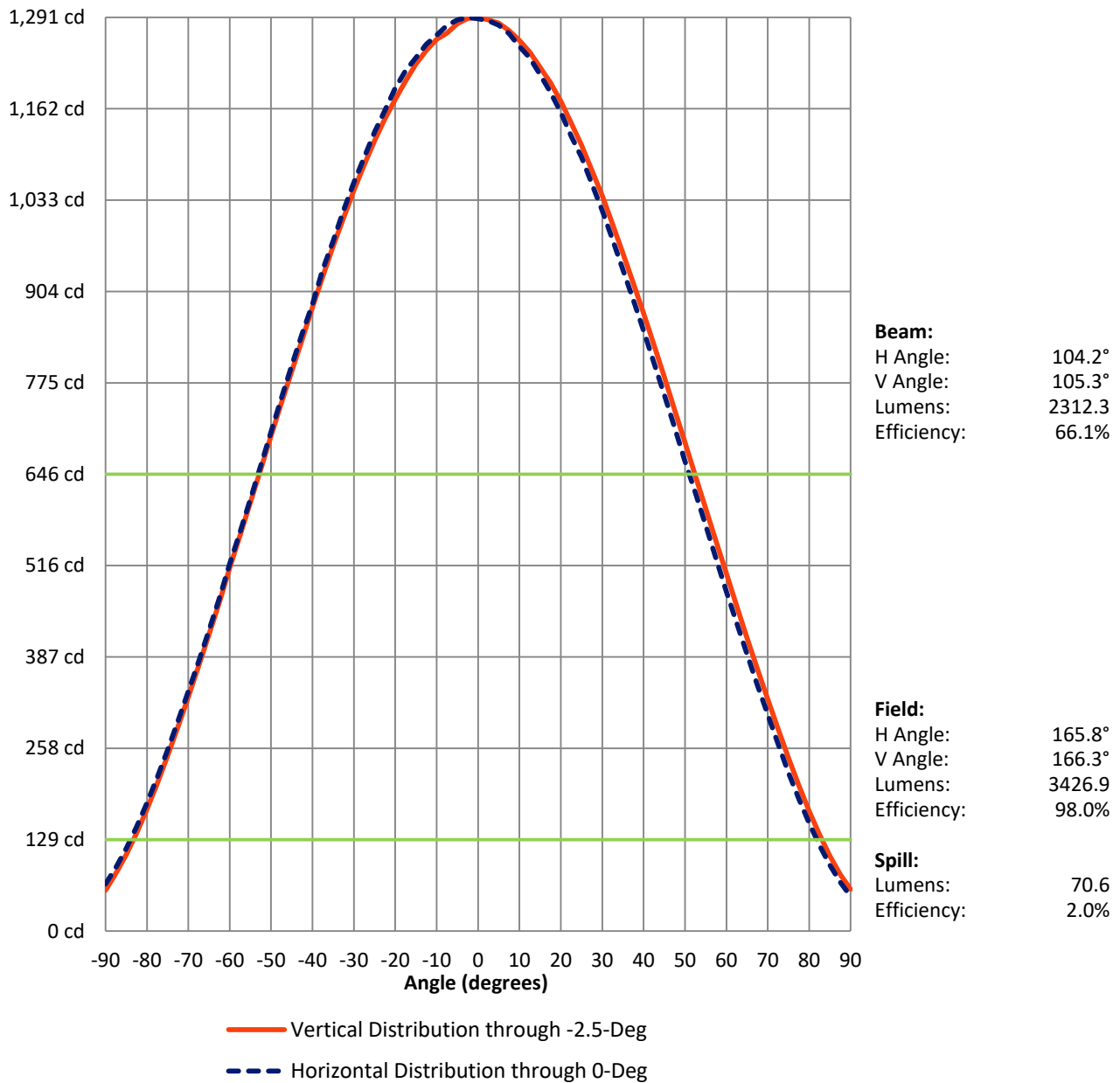
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

Luminous Intensity Plot



REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.7
87.5°	66.5	67.5	68.4	69.4	70.3	71.2	72.1	73.1	73.9	74.8	75.5
85°	66.5	68.4	70.3	72.2	74.1	76.1	78.0	80.0	82.0	83.9	85.5
82.5°	66.5	69.4	72.3	75.1	78.2	81.2	84.2	87.2	90.3	93.3	96.1
80°	66.5	70.3	74.2	78.2	82.2	86.3	90.5	94.6	99.0	103.2	107.3
77.5°	66.5	71.3	76.1	81.2	86.3	91.6	96.9	102.4	108.0	113.8	119.3
75°	66.5	72.2	78.1	84.2	90.5	96.9	103.6	110.5	117.5	124.6	131.5
72.5°	66.5	73.2	80.1	87.3	94.6	102.5	110.5	118.8	127.2	135.7	144.2
70°	66.5	74.1	82.1	90.3	99.0	108.1	117.5	127.3	137.1	147.2	157.3
67.5°	66.5	75.0	84.0	93.4	103.4	113.8	124.7	135.8	147.2	158.9	170.7
65°	66.5	75.9	86.0	96.4	107.7	119.6	131.9	144.5	157.5	170.9	184.4
62.5°	66.5	76.8	87.9	99.6	112.1	125.4	139.0	153.2	167.9	183.0	198.2
60°	66.5	77.8	89.8	102.6	116.4	131.1	146.2	162.0	178.4	195.1	212.2
57.5°	66.5	78.6	91.6	105.7	120.8	136.8	153.3	170.9	188.9	207.3	225.9
55°	66.5	79.5	93.4	108.7	125.2	142.4	160.6	179.6	199.3	219.4	239.8
52.5°	66.5	80.3	95.1	111.7	129.4	148.0	167.7	188.4	209.6	231.4	253.6
50°	66.5	81.1	97.0	114.5	133.6	153.4	174.8	196.9	219.8	243.2	267.1
47.5°	66.5	81.9	98.7	117.3	137.6	159.0	181.6	205.3	229.8	254.9	280.4
45°	66.5	82.7	100.4	120.2	141.5	164.3	188.4	213.6	239.5	266.3	293.4
42.5°	66.5	83.4	102.1	122.9	145.4	169.4	194.9	221.5	249.1	277.4	306.0
40°	66.5	84.1	103.6	125.5	149.0	174.4	201.3	229.2	258.3	288.2	318.3
37.5°	66.5	84.7	105.1	127.9	152.5	179.1	207.3	236.6	267.1	298.4	330.3
35°	66.5	85.4	106.5	130.3	155.9	183.7	213.1	243.8	275.7	308.2	341.6
32.5°	66.5	86.0	107.9	132.6	159.2	188.1	218.6	250.6	283.9	317.6	352.3
30°	66.5	86.5	109.1	134.7	162.3	192.2	223.8	257.0	291.5	326.6	362.4
27.5°	66.5	87.0	110.3	136.6	165.1	196.1	228.7	263.0	298.5	335.0	371.7
25°	66.5	87.5	111.4	138.4	167.8	199.6	233.2	268.5	305.0	342.7	380.6
22.5°	66.5	87.9	112.4	140.0	170.2	202.9	237.3	273.6	311.2	349.8	388.7
20°	66.5	88.3	113.2	141.5	172.4	205.8	241.0	278.4	316.7	356.2	395.9
17.5°	66.5	88.7	114.0	142.9	174.3	208.4	244.5	282.6	321.6	361.8	402.4
15°	66.5	89.0	114.7	144.0	176.0	210.6	247.4	286.3	326.1	366.7	408.1
12.5°	66.5	89.2	115.3	145.0	177.5	212.6	250.0	289.5	329.8	370.9	413.1
10°	66.5	89.4	115.8	145.8	178.7	214.3	252.1	292.0	332.9	374.4	417.3
7.5°	66.5	89.6	116.1	146.5	179.6	215.6	253.7	294.0	335.4	377.2	420.6
5°	66.5	89.7	116.4	146.9	180.3	216.5	254.9	295.4	337.2	379.2	423.1
2.5°	66.5	89.8	116.5	147.2	180.7	217.1	255.6	296.3	338.3	380.5	424.5
0°	66.5	89.8	116.6	147.3	180.8	217.2	255.9	296.6	338.7	380.9	425.1
-2.5°	66.5	89.8	116.6	147.2	180.7	217.1	255.8	296.5	338.6	380.8	425.0
-5°	66.5	89.7	116.4	147.0	180.4	216.7	255.2	295.8	337.8	379.9	424.0
-7.5°	66.5	89.6	116.2	146.5	179.7	215.8	254.2	294.6	336.3	378.2	422.1
-10°	66.5	89.4	115.8	145.9	178.8	214.6	252.7	292.8	334.2	375.7	419.2
-12.5°	66.5	89.2	115.3	145.1	177.7	213.0	250.7	290.4	331.4	372.4	415.3
-15°	66.5	89.0	114.8	144.2	176.3	211.1	248.3	287.4	327.9	368.6	410.5
-17.5°	66.5	88.7	114.1	143.0	174.6	208.9	245.4	283.9	323.8	364.0	405.2
-20°	66.5	88.3	113.3	141.7	172.7	206.3	242.1	279.8	319.1	358.7	399.1

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	66.5	88.0	112.5	140.2	170.6	203.5	238.5	275.3	313.6	352.7	392.3
-25°	66.5	87.5	111.5	138.6	168.1	200.3	234.4	270.3	307.6	346.0	384.3
-27.5°	66.5	87.0	110.4	136.8	165.5	196.7	229.9	265.0	301.1	338.6	375.5
-30°	66.5	86.5	109.3	134.9	162.7	192.9	225.1	259.1	294.1	330.6	366.5
-32.5°	66.5	86.0	108.0	132.8	159.7	188.9	219.9	252.8	286.5	321.9	356.8
-35°	66.5	85.4	106.7	130.6	156.4	184.5	214.4	246.0	278.5	312.3	346.5
-37.5°	66.5	84.8	105.2	128.2	153.0	179.9	208.5	238.8	270.1	302.2	335.6
-40°	66.5	84.1	103.8	125.7	149.5	175.2	202.5	231.3	261.4	291.8	324.0
-42.5°	66.5	83.4	102.2	123.1	145.9	170.2	196.0	223.4	252.2	281.1	311.2
-45°	66.5	82.7	100.6	120.4	142.0	165.1	189.6	215.4	242.4	270.1	298.1
-47.5°	66.5	82.0	98.9	117.6	138.1	159.8	182.8	207.0	232.4	258.9	285.0
-50°	66.5	81.2	97.1	114.8	134.0	154.3	175.9	198.4	222.2	246.9	271.8
-52.5°	66.5	80.4	95.3	112.0	129.8	148.8	168.8	189.9	211.8	234.7	258.3
-55°	66.5	79.5	93.5	109.0	125.6	143.2	161.7	181.1	201.2	222.3	244.1
-57.5°	66.5	78.7	91.7	106.0	121.3	137.5	154.5	172.3	190.7	209.9	229.6
-60°	66.5	77.8	89.9	102.9	116.8	131.7	147.2	163.4	180.2	197.2	215.3
-62.5°	66.5	76.9	88.0	99.9	112.6	126.0	139.9	154.5	169.5	185.1	200.8
-65°	66.5	76.0	86.0	96.7	108.2	120.2	132.7	145.7	159.1	172.8	186.9
-67.5°	66.5	75.0	84.1	93.6	103.8	114.4	125.5	136.8	148.7	160.8	173.0
-70°	66.5	74.1	82.2	90.5	99.4	108.7	118.3	128.1	138.3	148.9	159.5
-72.5°	66.5	73.2	80.2	87.5	95.0	103.0	111.3	119.7	128.2	137.1	146.0
-75°	66.5	72.3	78.2	84.4	90.8	97.4	104.3	111.4	118.6	125.8	133.0
-77.5°	66.5	71.3	76.2	81.3	86.5	91.9	97.5	103.2	109.0	114.9	120.7
-80°	66.5	70.4	74.3	78.3	82.4	86.6	90.9	95.2	99.8	104.2	108.7
-82.5°	66.5	69.4	72.4	75.3	78.3	81.4	84.4	87.6	90.8	94.1	97.2
-85°	66.5	68.5	70.4	72.4	74.3	76.3	78.3	80.3	82.3	84.3	86.2
-87.5°	66.5	67.5	68.5	69.5	70.5	71.5	72.4	73.4	74.3	75.2	76.1
-90°	66.5	66.5	66.5	66.5	66.5	66.4	66.4	66.4	66.4	66.4	66.1

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	66.7	66.6	66.6	66.5	66.5	66.4	66.4	66.3	65.9	65.5	65.0
87.5°	76.1	76.8	77.4	78.0	78.5	79.1	79.6	80.0	80.4	80.8	81.2
85°	87.2	88.9	90.4	92.0	93.5	95.0	96.5	97.9	99.2	100.4	101.6
82.5°	99.0	101.7	104.4	107.2	109.9	112.4	114.9	117.4	119.8	122.0	124.2
80°	111.5	115.5	119.6	123.5	127.4	131.3	135.0	138.6	142.3	145.7	149.0
77.5°	124.7	130.1	135.5	140.8	146.2	151.4	156.5	161.5	166.3	170.9	175.3
75°	138.4	145.3	152.2	159.1	165.9	172.6	179.0	185.4	191.5	197.7	203.5
72.5°	152.6	161.2	169.7	178.1	186.4	194.6	202.7	210.6	218.3	225.7	232.9
70°	167.4	177.5	187.7	197.7	207.7	217.6	227.2	236.6	246.3	255.5	264.3
67.5°	182.5	194.3	206.2	217.9	229.6	241.2	253.0	264.4	275.5	285.7	295.7
65°	197.9	211.5	225.0	238.5	252.3	265.9	279.1	292.0	304.6	316.3	327.8
62.5°	213.5	228.8	244.2	259.8	275.2	290.3	305.2	319.6	333.8	347.3	360.2
60°	229.1	246.3	263.6	280.9	298.0	314.8	331.4	347.6	363.3	378.3	392.8
57.5°	244.9	263.9	282.9	301.9	320.7	339.4	357.7	375.5	392.8	409.8	425.8
55°	260.5	281.2	302.0	322.8	343.5	363.8	383.7	403.5	422.5	441.2	459.1
52.5°	275.9	298.4	321.0	343.7	366.0	388.0	409.9	431.3	452.2	472.7	492.4
50°	291.2	315.4	339.9	364.2	388.2	412.2	435.7	459.0	481.8	504.0	524.9
47.5°	306.1	332.2	358.3	384.3	410.3	435.9	461.3	486.6	511.2	534.7	557.1
45°	320.8	348.6	376.4	404.1	431.7	459.2	486.8	514.0	539.8	564.8	589.0
42.5°	335.3	364.6	394.0	423.4	452.7	482.3	512.2	540.3	567.7	594.4	620.2
40°	349.1	380.0	411.0	442.0	473.2	505.5	536.0	565.8	595.0	623.3	650.9
37.5°	362.4	394.8	427.5	460.0	493.9	527.2	559.2	590.7	621.4	651.6	681.0
35°	375.1	409.0	443.2	477.5	513.9	547.9	581.5	614.5	647.1	679.0	709.9
32.5°	387.2	422.7	458.3	495.2	532.0	567.4	602.8	637.5	671.8	705.2	737.8
30°	398.6	435.5	472.5	512.0	549.4	586.5	622.9	659.5	695.2	730.3	764.2
27.5°	409.2	447.6	486.5	527.1	565.3	604.0	642.3	680.3	717.5	753.9	789.0
25°	419.4	459.0	500.0	540.8	580.5	620.3	660.1	699.4	738.3	776.0	812.6
22.5°	428.7	469.2	512.4	553.4	594.7	635.6	676.7	717.5	757.4	796.2	834.3
20°	437.1	478.3	523.2	564.6	607.1	649.8	691.9	733.9	775.1	815.1	854.4
17.5°	444.7	487.5	532.7	574.9	618.3	661.7	705.5	748.6	790.6	831.6	872.1
15°	451.4	495.5	540.9	584.5	628.2	672.8	717.6	761.7	804.3	846.5	887.5
12.5°	457.2	502.4	547.8	592.7	637.3	682.7	728.0	773.4	816.3	859.3	901.0
10°	461.9	508.2	553.4	598.9	644.9	690.7	736.7	783.0	825.9	870.2	912.6
7.5°	465.5	512.7	557.8	603.8	650.6	697.0	743.6	790.0	833.5	877.6	921.9
5°	468.0	516.1	561.0	607.4	654.4	701.6	748.7	795.0	839.2	882.5	928.8
2.5°	469.6	518.2	563.0	609.6	656.8	704.5	751.9	798.1	842.7	885.2	933.3
0°	470.2	519.0	563.8	610.4	657.7	705.7	753.2	799.4	844.0	885.9	935.1
-2.5°	470.2	518.6	563.6	610.2	657.5	705.3	752.9	798.9	843.7	885.9	934.0
-5°	469.1	517.0	562.2	608.6	655.8	703.2	750.7	796.6	841.1	884.1	930.4
-7.5°	467.0	514.1	559.5	605.7	652.7	699.4	746.9	792.3	836.5	880.1	924.3
-10°	463.9	510.0	555.6	601.3	647.6	694.0	740.8	786.1	829.5	873.8	915.7
-12.5°	459.7	504.7	550.4	595.4	640.9	686.7	732.5	777.3	820.2	864.0	904.9
-15°	454.5	498.4	543.9	587.9	632.9	677.6	722.6	766.7	809.3	852.4	892.1
-17.5°	448.5	491.4	536.1	579.2	623.4	667.2	711.5	755.8	796.4	838.8	878.4
-20°	441.5	483.6	527.1	569.5	612.4	655.6	698.8	742.3	781.4	821.8	862.3

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	433.6	474.5	516.8	558.7	600.1	642.6	684.3	725.3	765.6	804.4	843.4
-25°	424.5	464.3	504.9	546.1	586.7	628.1	668.3	708.5	749.6	784.8	821.5
-27.5°	414.2	453.8	493.2	532.7	572.5	611.6	650.8	689.8	727.4	764.8	800.0
-30°	403.7	442.5	480.4	518.3	556.6	593.9	632.8	669.6	706.1	742.4	776.4
-32.5°	392.7	430.0	465.6	502.2	538.9	576.3	612.3	648.2	683.3	717.3	751.5
-35°	380.4	415.7	451.7	487.8	521.6	556.8	591.0	625.9	659.1	691.8	723.2
-37.5°	367.9	401.6	436.6	468.8	502.4	535.9	569.6	601.6	634.2	665.1	695.1
-40°	355.0	386.8	419.4	451.7	483.8	514.6	546.2	577.4	607.6	637.4	665.9
-42.5°	341.7	371.2	402.0	433.4	462.2	493.1	522.3	552.0	580.5	608.6	635.6
-45°	327.8	355.7	384.0	412.6	441.9	469.0	497.9	525.2	552.9	578.8	604.4
-47.5°	312.4	339.8	365.8	392.7	419.6	446.3	471.7	498.4	523.5	549.0	572.6
-50°	296.7	323.0	347.6	372.1	397.2	422.1	446.3	469.7	494.3	517.3	540.0
-52.5°	281.3	304.8	329.0	351.7	374.4	397.4	420.1	442.2	463.3	485.2	506.2
-55°	265.9	287.0	308.9	331.0	351.8	372.6	393.4	413.8	433.9	452.4	470.7
-57.5°	249.9	269.6	289.1	309.0	329.1	348.0	366.8	385.3	403.4	421.2	437.2
-60°	233.4	251.8	269.7	287.4	305.3	323.1	340.1	356.9	373.4	388.9	403.4
-62.5°	217.2	233.6	250.1	266.2	282.0	297.8	313.3	328.5	343.0	357.0	370.1
-65°	201.0	215.7	230.1	244.8	259.1	273.0	286.8	300.2	313.1	325.1	336.5
-67.5°	185.4	197.8	210.8	223.4	235.9	248.4	260.5	272.2	283.7	294.2	304.0
-70°	170.0	180.8	191.6	202.4	213.5	224.0	234.4	244.7	254.4	263.2	271.7
-72.5°	155.1	164.1	173.2	182.2	191.2	200.2	209.3	217.9	225.7	232.9	239.9
-75°	140.3	147.9	155.3	162.7	170.1	177.4	184.5	191.6	198.0	203.9	209.5
-77.5°	126.5	132.3	138.1	143.9	149.7	155.4	161.1	166.7	171.6	176.0	180.1
-80°	113.1	117.5	121.9	126.3	130.6	134.8	138.9	142.9	146.4	149.6	152.6
-82.5°	100.3	103.4	106.4	109.5	112.5	115.4	118.3	121.2	123.5	125.6	127.5
-85°	88.2	90.2	92.0	93.8	95.6	97.4	99.1	100.8	102.0	103.0	104.0
-87.5°	77.0	77.9	78.7	79.5	80.4	81.1	81.9	82.6	82.9	83.1	83.3
-90°	65.9	65.6	65.3	65.1	64.8	64.5	64.3	64.0	63.7	63.5	63.2

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	64.6	64.2	63.8	63.3	62.9	62.5	62.1	61.6	61.2	60.8	60.3
87.5°	81.6	81.9	82.2	82.4	82.6	82.8	82.6	82.4	82.1	81.8	81.4
85°	102.7	103.8	104.7	105.6	106.4	107.1	107.3	107.5	107.5	107.4	107.3
82.5°	126.2	128.2	130.0	131.7	133.2	134.5	135.3	136.0	136.5	136.8	137.0
80°	152.1	155.0	157.7	160.2	162.5	164.6	166.1	167.3	168.3	169.1	169.5
77.5°	179.6	183.6	187.3	190.9	194.3	197.4	199.8	201.8	203.4	204.6	205.4
75°	209.1	214.4	219.3	223.9	228.2	232.1	235.2	237.8	240.1	241.9	243.2
72.5°	239.9	246.6	252.8	258.5	263.7	268.3	272.1	275.5	278.3	280.7	282.8
70°	272.4	279.8	287.0	293.8	300.0	305.7	310.8	315.1	318.9	321.9	324.3
67.5°	305.2	314.1	322.7	330.6	337.9	344.5	350.4	355.5	359.9	363.5	366.3
65°	338.7	349.0	358.7	367.8	376.2	383.9	390.7	396.5	401.5	405.8	409.1
62.5°	372.5	384.1	395.2	405.5	415.0	423.9	432.0	439.0	444.7	449.5	453.3
60°	406.7	419.8	432.4	444.2	454.8	464.6	473.4	481.6	488.5	494.2	498.8
57.5°	441.4	456.0	469.8	483.1	495.6	507.1	517.6	526.5	533.5	539.2	543.9
55°	476.1	492.6	508.1	522.9	536.4	548.3	559.2	568.6	576.8	583.6	589.1
52.5°	510.9	529.0	545.5	561.1	575.7	589.2	601.8	612.4	620.7	628.4	634.6
50°	545.0	564.4	582.5	599.8	615.7	630.6	644.3	655.6	665.7	674.4	681.1
47.5°	578.9	599.6	619.4	638.2	655.4	671.8	686.8	699.6	709.1	718.0	725.6
45°	612.1	634.6	656.0	676.4	695.4	711.5	726.9	741.1	753.2	763.0	771.0
42.5°	645.0	669.3	692.3	713.4	733.4	752.0	768.8	783.7	796.7	807.1	815.1
40°	677.6	703.1	727.4	750.4	771.8	791.3	809.3	824.8	838.4	849.7	858.8
37.5°	709.2	736.3	761.9	786.1	808.8	829.5	848.2	864.9	880.9	891.5	900.9
35°	739.8	768.2	795.0	820.8	844.8	866.6	886.7	904.0	920.3	933.6	942.4
32.5°	769.0	798.7	827.4	854.4	879.3	902.2	923.7	942.1	957.7	971.9	983.0
30°	796.7	828.3	858.3	885.9	912.3	937.2	958.5	978.5	996.3	1011.9	1022.1
27.5°	823.3	856.2	887.1	916.4	944.2	969.6	992.7	1013.7	1030.1	1044.4	1056.8
25°	848.3	882.1	914.5	945.3	974.1	1000.1	1023.8	1044.4	1063.0	1079.2	1090.6
22.5°	871.1	906.4	940.3	971.9	1001.3	1028.0	1052.8	1074.9	1093.3	1110.0	1123.8
20°	892.4	928.8	963.4	996.1	1026.1	1054.3	1079.7	1101.7	1121.9	1138.7	1151.5
17.5°	911.4	948.9	984.4	1017.8	1049.0	1077.8	1103.5	1126.7	1146.7	1163.8	1177.1
15°	928.3	966.4	1002.9	1037.1	1069.1	1098.6	1125.1	1148.4	1169.3	1186.8	1200.3
12.5°	943.0	981.2	1018.8	1054.0	1086.7	1116.5	1143.4	1167.7	1188.8	1206.8	1221.5
10°	955.1	993.8	1032.1	1067.5	1101.3	1131.5	1159.1	1183.9	1205.4	1223.6	1237.6
7.5°	964.3	1003.8	1042.6	1078.1	1112.3	1143.7	1171.3	1197.0	1218.3	1236.1	1250.7
5°	970.4	1011.2	1050.4	1085.9	1120.7	1153.4	1180.8	1205.8	1227.5	1245.8	1260.7
2.5°	973.9	1016.2	1055.5	1091.2	1126.4	1158.0	1187.6	1212.3	1232.4	1251.0	1265.7
0°	975.2	1018.2	1057.7	1093.3	1128.9	1159.6	1191.1	1215.7	1234.1	1253.0	1265.9
-2.5°	974.7	1016.9	1056.2	1092.0	1127.2	1158.3	1188.2	1212.9	1233.0	1251.0	1265.5
-5°	972.0	1012.6	1051.4	1087.9	1122.3	1153.9	1182.3	1207.5	1230.3	1245.8	1261.1
-7.5°	966.8	1006.0	1043.0	1080.2	1114.7	1146.0	1173.8	1199.2	1220.2	1238.2	1252.4
-10°	958.4	997.5	1034.0	1068.7	1103.8	1135.2	1161.9	1186.6	1208.5	1227.6	1242.3
-12.5°	946.3	985.7	1023.2	1058.1	1091.8	1121.2	1148.1	1173.7	1192.8	1212.2	1225.1
-15°	933.0	971.5	1007.8	1039.8	1073.4	1104.4	1131.7	1156.0	1177.7	1190.9	1203.9
-17.5°	917.2	954.8	991.6	1025.0	1055.2	1086.0	1111.3	1135.0	1155.4	1170.7	1181.8
-20°	899.4	935.9	971.9	1004.9	1034.9	1062.1	1090.0	1110.6	1129.2	1143.8	1158.2

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	880.2	915.3	948.7	982.7	1012.3	1039.5	1062.2	1084.7	1101.7	1115.9	1127.0
-25°	858.8	892.6	925.2	956.5	987.0	1013.3	1035.2	1054.7	1072.7	1086.4	1097.1
-27.5°	833.8	868.4	899.5	929.0	957.5	983.4	1004.4	1023.1	1041.6	1055.7	1066.0
-30°	809.3	840.0	872.3	900.5	926.0	949.0	971.5	989.7	1005.5	1018.6	1030.5
-32.5°	783.0	812.9	840.2	869.7	893.6	915.9	935.1	953.6	969.0	981.7	992.4
-35°	754.5	784.3	811.4	834.2	858.5	880.2	899.3	916.5	930.4	942.7	953.1
-37.5°	723.9	751.9	779.0	802.1	822.0	842.0	859.9	876.7	890.8	903.3	912.1
-40°	693.1	719.1	743.0	766.2	786.9	805.1	821.0	836.8	848.3	859.0	868.5
-42.5°	661.7	685.2	707.4	728.4	747.9	766.4	781.9	795.7	807.6	817.7	825.6
-45°	629.0	650.7	671.1	690.4	708.8	725.4	740.5	754.0	765.4	774.3	781.4
-47.5°	594.5	615.5	634.3	652.2	668.7	684.0	698.1	711.0	721.3	729.8	736.6
-50°	560.3	578.8	596.8	613.7	629.0	642.8	655.1	666.3	676.0	683.9	690.5
-52.5°	524.2	542.7	559.1	574.2	588.3	601.3	612.9	623.2	631.8	638.6	644.1
-55°	488.7	505.3	520.1	534.6	547.8	559.7	570.2	579.4	587.1	593.5	598.6
-57.5°	452.5	467.1	481.6	494.8	506.4	517.1	526.9	535.5	542.6	548.4	552.9
-60°	417.5	430.9	443.4	455.0	465.2	475.4	484.6	491.5	497.5	502.8	507.0
-62.5°	382.5	393.9	405.0	415.4	425.3	434.4	442.6	448.7	453.4	457.3	460.4
-65°	347.6	358.1	368.0	377.1	385.2	392.6	399.2	404.6	409.2	413.1	416.1
-67.5°	313.3	322.0	330.5	338.6	346.0	352.6	358.3	363.0	367.0	370.1	372.4
-70°	279.8	287.6	294.8	301.4	307.5	312.7	317.1	320.8	324.3	327.1	329.1
-72.5°	246.6	253.1	259.3	264.8	269.8	274.4	278.4	281.5	284.2	286.2	287.6
-75°	214.7	219.7	224.3	228.5	232.4	235.8	238.9	241.8	244.1	245.8	247.1
-77.5°	184.1	187.9	191.5	194.7	197.6	200.2	202.4	204.2	205.8	207.1	208.0
-80°	155.6	158.4	161.0	163.3	165.4	167.2	168.6	169.8	170.7	171.5	172.0
-82.5°	129.3	131.0	132.5	133.9	135.1	136.1	137.0	137.7	138.2	138.6	138.7
-85°	105.0	105.8	106.6	107.3	107.8	108.3	108.6	108.8	109.0	109.0	108.9
-87.5°	83.4	83.5	83.6	83.7	83.7	83.6	83.5	83.4	83.2	82.9	82.7
-90°	62.9	62.7	62.4	62.1	61.9	61.6	61.1	60.6	60.1	59.6	59.1

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	59.9	59.5	59.0	58.6	58.0	57.5	56.9	56.4	55.8	55.3	54.7
87.5°	81.0	80.5	80.0	79.5	79.0	78.5	77.9	77.3	76.7	76.0	75.3
85°	107.0	106.6	106.1	105.5	104.9	104.3	103.5	102.6	101.7	100.6	99.4
82.5°	136.9	136.7	136.3	135.7	135.0	134.1	133.1	131.9	130.4	128.9	127.1
80°	169.7	169.7	169.4	168.8	168.0	166.9	165.6	164.0	162.2	160.1	157.7
77.5°	205.9	206.0	205.8	205.3	204.3	203.0	201.4	199.5	197.2	194.5	191.6
75°	244.1	244.6	244.6	244.1	243.0	241.4	239.4	236.9	234.0	230.7	226.9
72.5°	284.2	285.1	285.5	285.2	283.9	281.9	279.4	276.4	272.7	268.7	264.3
70°	326.0	327.0	327.4	327.1	325.6	323.5	320.8	317.4	313.3	308.7	303.5
67.5°	368.4	369.7	370.2	370.0	368.5	366.2	363.2	359.5	355.0	349.6	343.4
65°	411.6	413.1	413.8	413.6	412.0	409.6	406.3	402.1	397.0	391.0	384.1
62.5°	456.2	458.2	459.1	459.0	457.2	454.4	450.6	445.7	440.0	433.2	425.4
60°	502.1	504.3	505.3	505.1	503.2	500.1	495.9	490.4	483.7	476.0	467.7
57.5°	547.4	549.7	550.8	550.6	548.8	545.9	541.7	536.2	529.4	521.3	511.9
55°	593.2	595.9	597.1	596.9	595.0	591.6	586.8	580.6	572.9	564.4	554.8
52.5°	639.2	642.0	643.4	643.2	641.2	637.7	632.6	625.8	617.5	607.8	597.3
50°	685.9	689.0	690.4	690.2	688.1	684.3	679.0	672.0	663.4	652.9	640.9
47.5°	731.2	734.7	736.3	736.1	734.1	730.4	724.9	717.1	707.2	695.7	683.2
45°	777.0	781.0	783.1	783.1	780.8	776.5	770.4	762.7	752.4	739.8	725.9
42.5°	821.2	825.7	828.3	828.5	825.7	820.7	813.6	805.3	795.3	782.5	768.0
40°	866.0	870.7	872.8	872.6	870.3	865.7	858.7	849.3	837.2	822.9	807.4
37.5°	908.3	913.2	915.6	915.5	912.6	906.9	899.0	890.1	879.2	865.4	847.8
35°	949.9	955.1	957.7	957.7	954.7	949.3	941.4	931.2	919.2	902.0	885.5
32.5°	991.2	996.4	998.8	998.3	995.4	989.6	981.2	970.2	956.4	940.4	922.7
30°	1029.7	1035.7	1039.2	1039.8	1035.9	1029.2	1019.8	1008.3	994.6	977.3	958.0
27.5°	1066.3	1072.6	1074.9	1074.6	1071.4	1065.2	1055.9	1044.3	1028.3	1011.0	992.2
25°	1101.1	1107.3	1110.5	1110.6	1107.1	1100.4	1090.6	1077.6	1062.0	1044.3	1022.9
22.5°	1133.6	1138.9	1141.9	1141.9	1138.4	1131.9	1122.1	1109.1	1093.3	1073.7	1052.6
20°	1161.6	1168.3	1172.6	1173.9	1169.9	1162.0	1151.2	1137.9	1121.2	1101.4	1078.9
17.5°	1189.2	1194.8	1198.7	1199.2	1195.3	1187.8	1177.2	1164.7	1146.8	1126.9	1102.3
15°	1210.7	1218.3	1220.4	1220.5	1216.8	1209.9	1199.0	1185.8	1168.5	1148.5	1124.6
12.5°	1230.9	1238.0	1241.9	1242.5	1238.1	1231.1	1220.2	1205.1	1187.5	1165.7	1142.6
10°	1248.1	1253.8	1258.5	1259.5	1253.9	1248.2	1236.0	1221.7	1203.5	1182.6	1155.7
7.5°	1261.6	1269.3	1272.4	1272.6	1266.9	1261.1	1250.0	1234.7	1216.5	1193.8	1166.8
5°	1271.8	1278.6	1282.9	1281.9	1275.5	1271.5	1259.5	1244.6	1225.1	1203.5	1178.2
2.5°	1277.3	1284.4	1287.5	1285.8	1283.2	1274.7	1263.9	1249.4	1231.8	1208.9	1183.5
0°	1279.7	1287.4	1291.0	1289.1	1286.4	1279.9	1268.0	1249.8	1233.8	1210.1	1185.2
-2.5°	1277.6	1285.8	1289.6	1286.1	1282.7	1274.8	1263.9	1247.9	1230.9	1207.7	1182.9
-5°	1272.5	1279.4	1282.1	1282.2	1275.8	1269.0	1257.4	1242.4	1223.6	1201.8	1177.1
-7.5°	1263.5	1269.1	1268.9	1272.4	1269.0	1258.6	1248.6	1233.6	1214.9	1193.0	1168.0
-10°	1250.6	1257.5	1260.0	1260.4	1255.5	1247.8	1236.1	1221.5	1203.2	1181.4	1156.9
-12.5°	1234.2	1240.7	1244.3	1243.5	1239.1	1231.4	1221.1	1205.7	1187.7	1166.4	1142.3
-15°	1215.3	1221.7	1225.2	1226.0	1221.2	1211.9	1200.3	1186.7	1169.2	1148.3	1124.6
-17.5°	1188.8	1196.9	1201.2	1201.6	1197.1	1189.6	1178.4	1166.8	1147.8	1127.2	1103.4
-20°	1165.3	1172.0	1175.2	1174.6	1172.2	1165.6	1154.1	1140.3	1122.3	1102.1	1079.8

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1135.9	1143.1	1147.8	1148.5	1143.8	1135.5	1124.2	1109.9	1093.7	1074.8	1054.1
-25°	1106.0	1112.6	1116.7	1117.7	1112.2	1103.5	1092.2	1078.2	1064.4	1046.9	1024.8
-27.5°	1073.8	1079.3	1082.7	1083.2	1078.2	1070.6	1061.0	1048.5	1031.7	1014.0	994.3
-30°	1038.9	1044.2	1046.7	1046.3	1041.7	1034.3	1024.2	1012.7	998.2	979.5	959.3
-32.5°	999.6	1004.7	1007.4	1007.4	1003.3	996.3	986.3	973.0	958.9	943.3	924.8
-35°	960.5	965.4	967.9	968.0	963.7	956.8	947.2	935.4	922.1	905.6	888.1
-37.5°	918.3	922.8	925.1	924.9	920.9	914.4	905.5	894.8	881.5	865.1	849.3
-40°	875.1	879.4	881.4	881.0	877.1	871.0	862.8	852.6	840.5	826.7	810.8
-42.5°	831.0	834.2	835.6	835.1	832.0	826.8	819.5	809.8	797.2	783.5	769.3
-45°	786.6	789.8	791.1	790.4	787.2	782.1	775.3	766.6	755.4	741.8	727.7
-47.5°	741.6	744.9	746.4	745.9	742.5	737.3	730.3	721.8	711.6	699.8	686.6
-50°	695.4	698.6	699.9	699.5	696.5	691.7	685.2	677.0	667.5	657.0	644.8
-52.5°	648.2	651.1	652.3	652.0	649.3	644.9	639.0	631.6	622.8	612.7	600.5
-55°	602.4	604.8	605.7	605.2	602.4	598.3	592.7	585.8	577.6	568.2	557.4
-57.5°	556.2	558.3	559.1	558.6	556.0	552.0	546.8	540.3	533.0	524.4	514.6
-60°	510.2	512.2	513.1	512.7	510.2	506.5	501.7	495.8	488.9	481.0	472.2
-62.5°	462.8	464.1	464.4	463.6	461.6	458.7	454.6	449.4	443.5	436.7	429.0
-65°	418.1	419.1	419.2	418.3	416.5	413.7	410.1	405.6	400.1	393.8	386.6
-67.5°	373.9	374.6	374.6	373.8	372.1	369.6	366.3	362.3	357.6	352.0	345.7
-70°	330.3	330.9	330.7	329.9	328.3	326.0	323.1	319.5	315.4	310.6	305.3
-72.5°	288.5	288.8	288.5	287.7	286.2	284.2	281.7	278.6	274.9	270.7	265.9
-75°	247.8	248.0	247.7	246.9	245.4	243.5	241.1	238.3	235.0	231.3	227.2
-77.5°	208.5	208.6	208.4	207.8	206.5	204.8	202.8	200.5	197.7	194.7	191.4
-80°	172.2	172.2	171.9	171.4	170.2	168.8	167.1	165.2	163.0	160.6	157.9
-82.5°	138.7	138.6	138.2	137.7	136.6	135.5	134.1	132.6	130.9	129.0	127.0
-85°	108.7	108.3	107.9	107.4	106.5	105.6	104.5	103.4	102.1	100.8	99.3
-87.5°	82.3	81.9	81.5	81.1	80.4	79.6	78.8	78.0	77.2	76.2	75.3
-90°	58.6	58.1	57.6	57.1	56.8	56.4	56.1	55.7	55.4	55.0	54.7

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	54.2	53.6	53.3	53.0	52.7	52.4	52.0	51.7	51.4	51.1	50.8
87.5°	74.5	73.7	72.9	72.0	71.1	70.1	69.1	68.1	67.1	66.1	65.1
85°	98.2	96.8	95.4	93.9	92.3	90.7	88.9	87.2	85.3	83.4	81.4
82.5°	125.2	123.2	121.0	118.7	116.3	113.7	111.0	108.2	105.5	102.6	99.7
80°	155.1	152.3	149.2	146.1	142.8	139.3	135.6	131.8	127.8	123.6	119.4
77.5°	188.3	184.7	180.6	176.3	171.8	167.1	162.2	157.1	151.9	146.4	141.0
75°	222.8	218.3	213.4	208.1	202.5	196.8	190.8	184.5	177.7	170.7	163.9
72.5°	259.4	254.1	248.4	242.0	235.2	228.1	220.7	212.8	204.6	196.3	188.4
70°	297.6	291.3	284.6	277.2	269.2	261.0	252.3	243.0	233.2	223.3	213.6
67.5°	336.5	329.0	321.2	312.9	304.1	294.6	284.8	274.4	263.3	251.8	240.1
65°	376.3	367.9	359.5	350.2	339.6	328.3	317.3	305.5	293.0	280.6	267.6
62.5°	416.9	408.1	398.3	387.3	375.6	363.3	350.9	337.1	322.9	309.2	294.3
60°	458.6	448.3	437.1	425.3	412.7	399.4	384.5	369.2	353.9	337.9	321.4
57.5°	501.1	489.2	476.6	463.6	449.4	434.5	419.1	402.8	384.9	367.0	349.3
55°	543.9	531.9	517.7	502.5	486.7	470.4	452.7	434.8	416.6	397.2	376.4
52.5°	585.1	571.3	556.8	541.2	524.7	505.6	486.8	467.8	446.6	426.1	404.7
50°	627.2	612.2	596.1	579.0	560.7	540.9	521.2	498.9	477.6	454.7	431.5
47.5°	669.1	653.4	635.9	616.5	596.7	576.1	554.0	531.4	507.4	482.9	458.3
45°	710.0	692.6	673.8	654.5	633.2	609.9	586.6	563.0	537.1	511.6	483.9
42.5°	751.9	732.3	712.1	690.9	667.4	644.4	618.6	593.1	566.9	538.6	510.8
40°	791.1	771.0	750.3	726.3	702.4	676.1	650.5	623.2	594.8	566.0	535.7
37.5°	828.6	807.7	786.8	761.8	735.6	708.3	680.9	652.1	622.4	591.6	560.3
35°	866.9	844.1	820.9	795.3	768.4	739.9	710.3	679.9	648.6	616.5	583.4
32.5°	900.8	879.4	854.4	827.3	799.0	769.8	738.7	706.8	673.8	639.9	605.8
30°	935.9	912.3	884.9	858.6	828.4	797.8	765.4	731.9	697.6	662.8	626.3
27.5°	969.2	943.5	916.5	886.4	857.3	823.9	790.9	755.6	719.8	682.8	646.0
25°	999.7	973.3	945.4	915.4	883.3	849.7	812.4	777.9	741.1	703.6	665.3
22.5°	1028.2	1000.8	971.9	940.7	907.8	874.3	837.0	798.5	759.3	720.6	680.5
20°	1054.7	1026.7	996.4	964.4	930.4	894.5	856.9	814.8	776.9	737.5	697.0
17.5°	1077.0	1050.3	1018.1	985.4	950.2	913.7	876.2	835.7	794.1	752.0	711.1
15°	1098.3	1067.6	1038.1	1002.5	967.1	930.2	891.6	849.7	805.9	765.2	722.5
12.5°	1114.7	1086.2	1055.4	1018.8	982.6	944.3	904.5	863.5	819.2	776.7	732.7
10°	1129.2	1100.3	1065.8	1032.9	995.0	956.8	916.2	874.1	831.5	786.5	741.2
7.5°	1140.9	1110.1	1078.3	1044.0	1004.9	965.7	924.6	882.3	838.9	794.1	748.2
5°	1149.5	1117.5	1087.2	1051.2	1012.4	972.1	930.3	887.9	844.2	798.9	753.4
2.5°	1154.6	1122.1	1092.1	1054.8	1016.7	976.0	933.6	891.2	847.3	801.9	756.6
0°	1156.8	1123.4	1093.4	1055.9	1018.1	977.0	934.5	892.1	848.3	802.9	757.7
-2.5°	1155.0	1122.1	1091.3	1054.1	1016.4	975.7	933.3	890.9	847.2	802.0	756.6
-5°	1149.8	1117.4	1086.1	1049.2	1011.7	971.6	929.5	887.1	843.7	798.9	753.3
-7.5°	1140.5	1109.7	1077.8	1041.4	1004.3	964.9	923.2	880.8	838.1	793.7	748.0
-10°	1128.8	1098.0	1065.9	1030.6	993.8	955.4	914.3	872.1	830.2	786.1	740.8
-12.5°	1114.8	1084.8	1052.1	1016.7	980.7	942.6	903.0	861.4	819.6	776.5	732.2
-15°	1097.5	1068.3	1036.1	1002.0	965.8	927.6	888.9	848.6	807.2	765.1	721.9
-17.5°	1077.7	1049.0	1017.5	984.2	948.7	911.5	872.9	833.3	793.0	751.7	709.7
-20°	1055.1	1026.7	996.2	963.9	929.2	893.3	855.4	816.6	776.6	736.6	695.4

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1029.2	1001.6	972.7	941.2	907.8	872.6	835.9	798.2	759.3	719.6	679.5
-25°	1001.0	975.0	946.6	915.9	883.9	849.9	814.7	777.9	740.5	701.6	662.8
-27.5°	970.4	945.8	918.0	889.1	857.9	825.3	791.1	756.1	719.6	682.3	644.7
-30°	938.1	914.4	888.1	860.0	830.2	798.8	766.3	732.3	697.2	661.8	625.3
-32.5°	904.2	881.2	855.9	829.3	800.7	771.0	739.6	707.0	673.8	639.6	604.5
-35°	867.8	846.1	823.0	796.9	770.1	741.4	711.5	680.7	648.9	616.1	582.8
-37.5°	831.3	810.6	787.1	763.6	737.6	710.5	682.5	653.1	622.9	591.8	559.8
-40°	791.2	772.6	751.8	728.5	704.4	679.0	652.2	624.5	595.8	566.2	535.8
-42.5°	753.1	734.0	714.4	693.2	670.4	646.3	621.1	594.9	567.7	539.6	511.3
-45°	712.4	695.5	677.0	656.7	635.6	612.8	589.0	564.4	538.7	512.8	485.1
-47.5°	671.8	656.0	638.9	619.6	599.6	578.2	556.1	533.1	509.7	483.9	458.0
-50°	630.5	615.5	599.0	581.3	562.9	543.3	523.0	501.5	477.7	454.4	431.1
-52.5°	587.4	574.1	559.2	543.1	526.1	508.4	488.2	467.0	446.5	425.5	404.1
-55°	545.5	532.7	519.6	504.9	488.5	471.1	453.4	434.6	415.8	396.5	376.5
-57.5°	503.7	492.2	479.5	465.9	451.1	435.2	419.3	402.3	384.7	367.1	349.2
-60°	462.7	451.4	439.3	427.1	414.0	399.9	385.0	369.8	354.1	338.1	321.6
-62.5°	420.2	410.6	400.1	388.8	376.9	364.3	351.5	337.7	323.4	308.9	294.2
-65°	378.5	369.9	361.1	351.6	340.9	329.6	317.8	305.7	293.1	280.1	266.9
-67.5°	338.5	330.9	322.6	314.0	305.0	295.3	284.9	274.2	263.1	251.7	240.1
-70°	299.1	292.4	285.3	277.9	270.0	261.5	252.5	243.2	233.7	223.9	213.8
-72.5°	260.5	254.7	248.6	242.1	235.3	228.2	220.8	213.1	205.1	196.8	188.4
-75°	222.6	217.9	213.1	208.0	202.4	196.7	190.6	184.3	177.7	170.8	164.0
-77.5°	187.7	183.8	179.9	175.8	171.4	166.9	162.0	157.0	151.9	146.5	141.0
-80°	155.0	151.9	149.0	145.8	142.5	138.9	135.2	131.4	127.5	123.5	119.3
-82.5°	124.8	122.6	120.5	118.2	115.8	113.3	110.7	108.0	105.2	102.4	99.4
-85°	97.8	96.2	94.9	93.4	91.9	90.2	88.5	86.8	85.0	83.1	81.3
-87.5°	74.3	73.3	72.5	71.7	70.8	69.9	68.9	68.0	67.0	66.0	65.0
-90°	54.3	54.0	53.6	53.3	52.9	52.5	52.2	51.8	51.4	51.1	50.7

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	50.5	50.3	50.0	49.8	49.5	49.3	49.0	48.8	48.5	48.6	48.6
87.5°	64.3	63.5	62.6	61.7	60.8	59.9	59.0	58.0	57.1	56.2	55.3
85°	79.6	77.8	75.9	74.2	72.4	70.6	68.8	66.9	65.1	63.2	61.4
82.5°	96.9	94.1	91.3	88.3	85.3	82.4	79.4	76.3	73.4	70.6	67.8
80°	115.5	111.4	107.3	103.2	99.1	94.9	90.8	86.6	82.4	78.4	74.3
77.5°	135.8	130.3	124.9	119.3	113.7	108.2	102.7	97.3	91.9	86.6	81.4
75°	157.2	150.4	143.5	136.6	129.4	122.4	115.3	108.4	101.7	95.1	88.7
72.5°	180.1	171.5	163.0	154.4	145.9	137.4	128.7	120.2	111.9	103.9	96.2
70°	203.6	193.6	183.6	173.2	162.9	152.6	142.6	132.5	122.6	113.0	103.7
67.5°	228.1	216.5	204.5	192.6	180.7	168.5	156.6	145.1	133.7	122.5	111.6
65°	254.1	240.2	226.3	212.5	198.7	185.1	171.3	157.8	144.9	132.1	119.7
62.5°	279.8	264.5	248.8	233.0	217.2	201.6	186.3	171.0	156.1	141.9	127.8
60°	305.2	288.2	271.2	253.7	236.1	218.6	201.3	184.3	167.6	151.5	136.1
57.5°	330.5	312.2	293.1	274.3	254.9	235.6	216.4	197.6	179.3	161.5	144.3
55°	356.5	336.0	315.3	294.4	273.7	252.6	231.7	210.9	191.0	171.4	152.5
52.5°	382.0	359.8	337.2	314.6	291.8	269.3	246.6	224.4	202.5	181.2	160.7
50°	408.0	383.3	359.1	334.5	310.1	285.6	261.5	237.5	213.9	191.0	168.8
47.5°	432.7	407.0	380.3	354.3	328.0	301.8	276.2	250.5	225.3	200.6	176.8
45°	457.3	429.6	401.6	373.2	345.4	317.8	290.3	263.3	236.2	209.9	184.7
42.5°	480.6	451.6	422.2	392.1	362.6	333.2	304.3	275.8	246.9	219.1	192.3
40°	504.9	473.0	441.8	410.5	378.7	348.3	318.0	287.6	257.4	228.0	199.6
37.5°	528.3	494.2	461.1	428.1	395.1	362.9	330.8	299.1	267.8	236.5	206.7
35°	549.6	516.0	478.7	444.7	410.9	376.6	343.1	310.2	277.6	244.7	213.5
32.5°	570.4	534.5	497.6	461.3	425.6	389.9	355.1	320.9	286.7	252.6	220.0
30°	590.1	552.8	516.0	476.1	439.5	402.9	366.2	330.5	295.3	260.2	226.1
27.5°	608.9	569.9	531.4	491.2	452.9	414.8	376.6	339.4	303.3	267.4	231.8
25°	625.2	586.0	545.9	505.7	465.3	425.5	386.4	348.1	310.9	274.2	237.0
22.5°	641.2	600.9	559.7	519.0	475.7	435.6	395.6	355.9	317.9	280.0	241.9
20°	656.0	614.4	572.0	529.6	486.0	444.8	404.1	363.1	324.2	285.4	246.4
17.5°	668.6	626.0	582.9	539.4	495.6	453.4	411.5	369.5	329.5	290.1	250.4
15°	678.8	636.6	592.3	548.3	504.0	461.0	417.6	375.2	334.2	294.3	253.9
12.5°	688.6	645.7	600.6	555.9	511.1	466.9	422.7	380.0	338.1	297.8	257.0
10°	697.6	652.8	607.4	562.2	516.9	471.5	427.0	384.0	341.5	300.7	259.6
7.5°	704.4	658.0	612.7	567.1	521.1	475.1	430.5	387.1	344.1	303.0	261.7
5°	708.4	661.5	616.5	570.6	524.1	477.6	433.1	389.3	345.9	304.6	263.1
2.5°	710.7	663.4	618.8	572.7	525.8	479.1	434.6	390.6	347.1	305.6	264.0
0°	711.4	663.7	619.6	573.3	526.3	479.6	435.2	391.1	347.4	305.9	264.3
-2.5°	710.6	663.1	618.7	572.5	525.7	479.2	434.6	390.7	347.0	305.5	263.9
-5°	708.0	661.0	616.1	570.3	523.7	477.7	433.1	389.3	345.9	304.5	263.0
-7.5°	703.6	657.3	612.0	566.6	520.6	475.2	430.5	387.1	344.1	302.9	261.5
-10°	696.8	652.0	606.4	561.6	516.1	471.6	426.9	384.0	341.4	300.6	259.4
-12.5°	688.1	644.9	599.5	555.1	510.4	467.0	422.7	380.0	338.1	297.6	256.7
-15°	678.1	635.8	591.1	547.5	503.4	461.0	417.5	375.2	334.1	294.0	253.6
-17.5°	666.9	625.0	581.7	538.5	495.4	453.4	411.4	369.5	329.4	289.8	250.0
-20°	654.3	612.4	570.7	528.4	486.2	444.9	404.1	362.9	324.0	285.0	245.8

REPORT NUMBER: P1209906 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	639.8	598.9	558.2	517.1	476.2	435.5	395.7	355.6	317.7	279.6	241.1
-25°	623.6	584.1	544.5	504.7	465.4	425.3	386.6	347.9	310.6	273.6	236.1
-27.5°	606.1	568.1	529.6	491.2	453.0	414.7	376.7	339.4	303.0	266.8	230.8
-30°	588.3	550.9	513.8	476.7	439.5	402.9	366.0	330.3	294.8	259.5	225.0
-32.5°	569.0	533.0	497.0	461.4	425.5	390.1	354.7	320.5	286.1	251.7	218.9
-35°	548.7	514.3	479.5	444.8	410.9	376.7	342.9	309.8	276.9	243.4	212.4
-37.5°	527.3	494.6	461.1	427.9	395.3	362.6	330.5	298.6	266.9	235.0	205.5
-40°	505.3	473.4	441.8	410.4	378.9	348.0	317.4	286.9	256.4	226.4	198.4
-42.5°	481.5	451.6	421.9	392.2	362.2	332.9	303.7	274.8	245.4	217.6	190.9
-45°	457.0	429.3	401.5	373.2	345.2	317.1	289.5	262.1	234.2	208.3	183.3
-47.5°	432.4	406.6	380.3	354.0	327.6	301.0	275.0	248.8	223.2	198.9	175.5
-50°	407.5	383.3	358.8	334.3	309.5	284.6	260.1	235.2	211.9	189.3	167.4
-52.5°	382.0	359.6	337.1	314.2	291.0	268.0	244.3	222.0	200.5	179.5	159.3
-55°	356.4	335.9	314.9	293.7	272.4	250.9	229.1	208.7	188.9	169.7	151.1
-57.5°	330.7	311.8	292.6	273.2	253.5	233.4	214.1	195.3	177.3	159.8	142.8
-60°	304.8	287.7	270.2	252.4	234.2	216.6	199.0	182.0	165.6	149.9	134.5
-62.5°	279.0	263.6	247.6	231.6	215.7	199.8	184.1	168.6	154.2	140.0	126.2
-65°	253.4	239.4	225.5	211.4	197.2	183.2	169.3	155.7	142.8	130.2	118.1
-67.5°	228.2	216.1	203.8	191.5	179.2	166.9	154.8	142.9	131.5	120.6	110.1
-70°	203.6	193.2	182.7	172.1	161.6	151.1	140.6	130.3	120.5	111.2	102.1
-72.5°	179.8	171.0	162.2	153.4	144.5	135.7	126.8	118.2	109.9	102.1	94.5
-75°	157.0	150.0	142.7	135.4	128.0	120.8	113.6	106.5	99.6	93.3	87.1
-77.5°	135.4	129.7	124.0	118.2	112.5	106.7	101.0	95.3	89.8	84.9	79.9
-80°	115.1	110.9	106.5	102.2	97.8	93.3	89.1	84.7	80.5	76.8	73.0
-82.5°	96.4	93.4	90.3	87.2	84.0	81.0	77.9	74.8	71.7	69.1	66.4
-85°	79.4	77.4	75.4	73.5	71.5	69.5	67.4	65.4	63.4	61.8	60.2
-87.5°	64.1	63.1	62.1	61.0	60.0	58.9	57.8	56.7	55.7	55.0	54.3
-90°	50.6	50.5	50.4	50.3	50.1	50.0	49.9	49.8	49.7	49.6	49.5

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CATALOG NUMBER: BKHDR150CLD2D-HI-5000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	48.7	48.7	48.8	48.8	48.9	48.9	49.0
87.5°	54.4	53.5	52.6	51.7	50.8	49.9	49.0
85°	59.6	57.7	55.9	54.2	52.5	50.7	49.0
82.5°	64.9	62.2	59.4	56.7	54.1	51.6	49.0
80°	70.5	66.7	63.0	59.3	55.8	52.4	49.0
77.5°	76.3	71.3	66.6	62.0	57.4	53.2	49.0
75°	82.3	76.1	70.3	64.6	59.2	54.0	49.0
72.5°	88.6	81.1	73.9	67.3	60.9	54.8	49.0
70°	94.8	86.2	77.8	70.0	62.6	55.6	49.0
67.5°	101.2	91.3	81.7	72.6	64.3	56.4	49.0
65°	107.7	96.5	85.7	75.4	66.0	57.1	49.0
62.5°	114.4	101.6	89.6	78.2	67.7	57.9	49.0
60°	121.1	106.8	93.5	80.9	69.3	58.7	49.0
57.5°	127.8	112.1	97.4	83.6	71.0	59.5	49.0
55°	134.5	117.3	101.2	86.4	72.5	60.2	49.0
52.5°	141.1	122.5	104.9	89.0	74.1	61.0	49.0
50°	147.7	127.6	108.8	91.6	75.7	61.7	49.0
47.5°	154.1	132.7	112.6	94.1	77.3	62.3	49.0
45°	160.5	137.6	116.2	96.6	78.8	63.0	49.0
42.5°	166.5	142.4	119.8	98.9	80.2	63.6	49.0
40°	172.6	147.1	123.2	101.2	81.5	64.2	49.0
37.5°	178.3	151.5	126.4	103.3	82.8	64.7	49.0
35°	183.8	155.8	129.6	105.5	84.1	65.3	49.0
32.5°	189.1	159.8	132.6	107.6	85.4	65.8	49.0
30°	194.0	163.6	135.4	109.5	86.5	66.3	49.0
27.5°	198.6	167.2	138.0	111.3	87.6	66.7	49.0
25°	202.9	170.5	140.4	113.0	88.5	67.2	49.0
22.5°	206.8	173.6	142.7	114.5	89.4	67.5	49.0
20°	210.3	176.4	144.8	115.9	90.2	67.9	49.0
17.5°	213.5	178.8	146.6	117.1	90.9	68.2	49.0
15°	216.2	180.9	148.2	118.2	91.5	68.4	49.0
12.5°	218.6	182.8	149.5	119.1	92.1	68.7	49.0
10°	220.5	184.3	150.6	119.8	92.5	68.8	49.0
7.5°	221.9	185.4	151.4	120.4	92.8	69.0	49.0
5°	223.0	186.2	152.0	120.8	93.0	69.1	49.0
2.5°	223.6	186.7	152.4	121.0	93.2	69.1	49.0
0°	223.7	186.9	152.5	121.1	93.2	69.2	49.0
-2.5°	223.5	186.7	152.4	121.0	93.1	69.1	49.0
-5°	222.8	186.1	152.0	120.7	93.0	69.1	49.0
-7.5°	221.7	185.3	151.3	120.3	92.7	69.0	49.0
-10°	220.2	184.0	150.4	119.7	92.4	68.8	49.0
-12.5°	218.2	182.5	149.3	118.9	91.9	68.6	49.0
-15°	215.8	180.6	147.9	118.0	91.4	68.4	49.0
-17.5°	213.0	178.4	146.3	116.9	90.8	68.1	49.0
-20°	209.7	175.9	144.4	115.6	90.1	67.8	49.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	206.1	173.1	142.3	114.2	89.2	67.5	49.0
-25°	202.2	170.0	140.0	112.7	88.3	67.1	49.0
-27.5°	197.8	166.6	137.5	111.0	87.3	66.7	49.0
-30°	193.1	163.0	134.9	109.2	86.3	66.2	49.0
-32.5°	188.2	159.2	132.0	107.2	85.1	65.7	49.0
-35°	182.9	155.1	129.0	105.1	83.9	65.2	49.0
-37.5°	177.3	150.8	125.8	102.9	82.6	64.6	49.0
-40°	171.6	146.3	122.6	100.7	81.3	64.1	49.0
-42.5°	165.5	141.5	119.1	98.5	79.9	63.5	49.0
-45°	159.4	136.7	115.5	96.1	78.5	62.8	49.0
-47.5°	153.0	131.7	111.9	93.6	77.0	62.2	49.0
-50°	146.6	126.6	108.1	91.1	75.4	61.5	49.0
-52.5°	139.9	121.6	104.2	88.5	73.8	60.8	49.0
-55°	133.3	116.3	100.4	85.8	72.2	60.1	49.0
-57.5°	126.5	111.1	96.6	83.0	70.6	59.4	49.0
-60°	119.8	105.7	92.7	80.4	69.0	58.6	49.0
-62.5°	113.1	100.5	88.8	77.6	67.3	57.8	49.0
-65°	106.4	95.4	84.8	74.9	65.6	57.0	49.0
-67.5°	99.9	90.2	80.9	72.1	63.9	56.2	49.0
-70°	93.5	85.1	77.1	69.5	62.3	55.4	49.0
-72.5°	87.2	80.1	73.2	66.8	60.6	54.7	49.0
-75°	81.0	75.2	69.5	64.1	58.9	53.9	49.0
-77.5°	75.1	70.4	65.8	61.5	57.1	53.1	49.0
-80°	69.4	65.8	62.3	58.8	55.5	52.2	49.0
-82.5°	63.8	61.3	58.8	56.2	53.8	51.4	49.0
-85°	58.6	56.9	55.3	53.8	52.2	50.6	49.0
-87.5°	53.5	52.8	52.1	51.3	50.5	49.8	49.0
-90°	49.5	49.4	49.3	49.2	49.2	49.1	49.0

(END OF REPORT)