

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: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-LO-5000K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209896 (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-5000K
Description: BULK HEAD 2100LM SEL 5CCT UNV D2D BRONZE at 5000K CCT

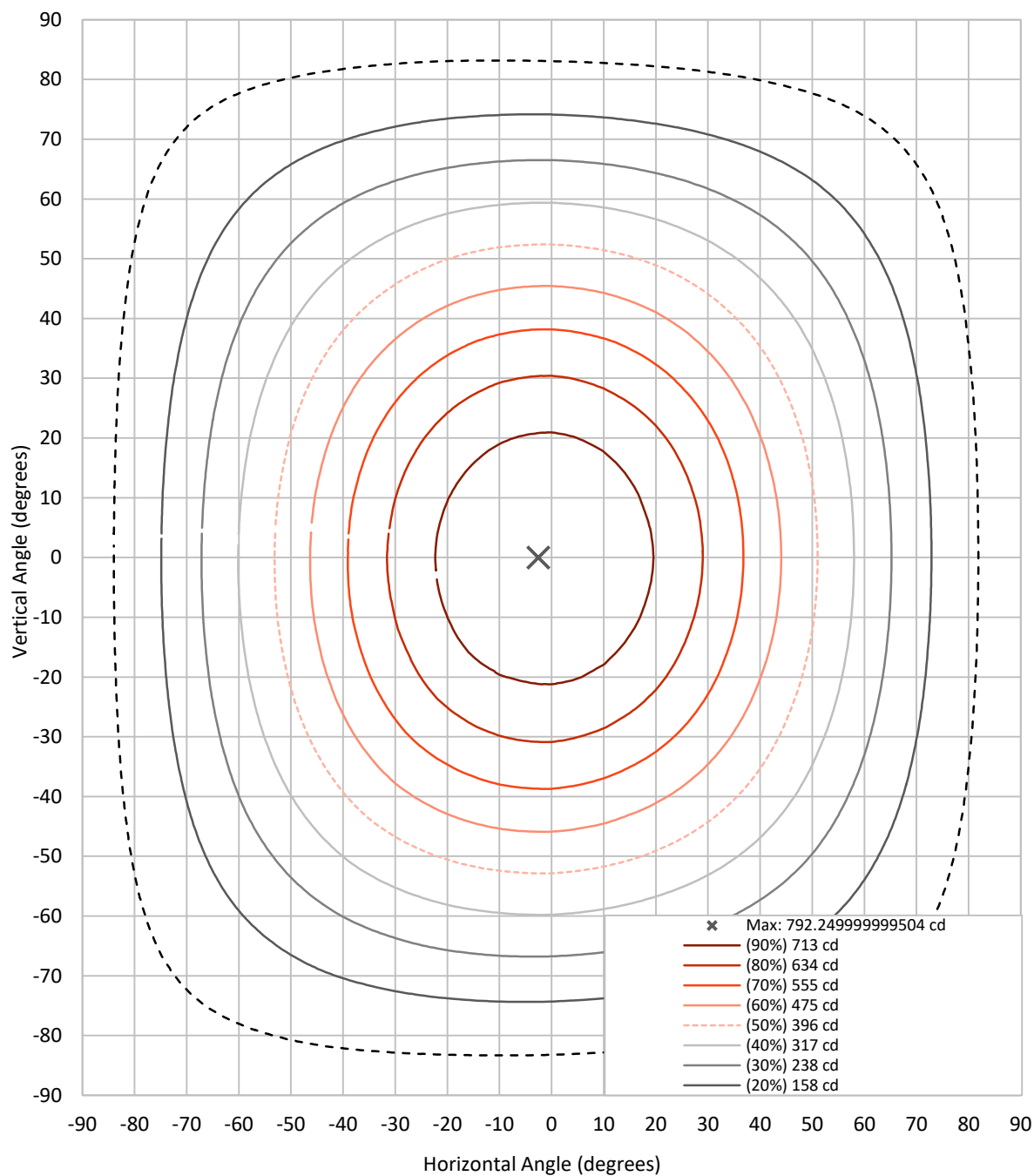
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	2146.2 lumens	Max Intensity:	792.2 candela
Efficiency:	102.8%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	126.2 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:	1418.9 lumens	Field Lumens:	2102.8 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		

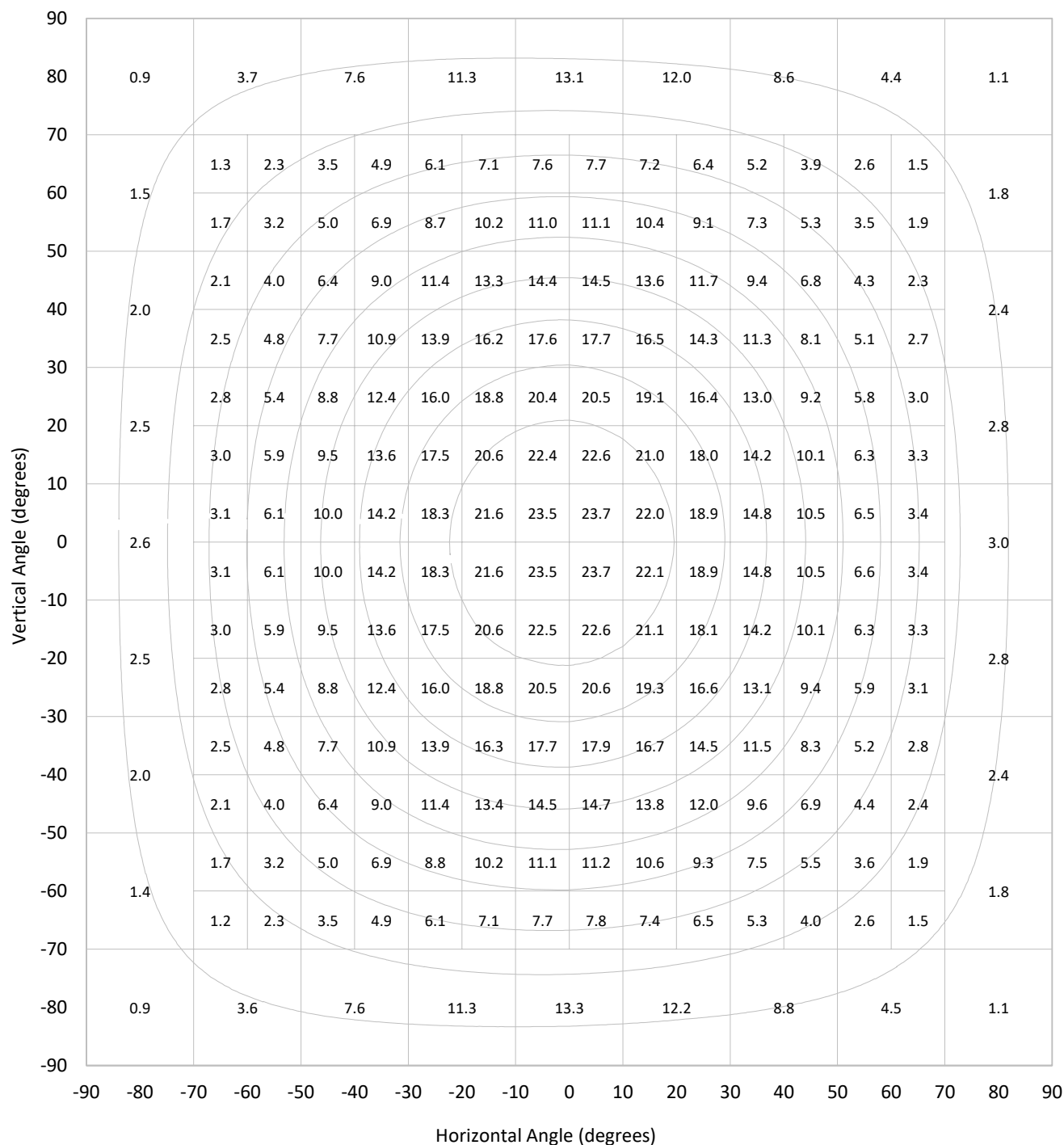
REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

Iso-Candela Plot



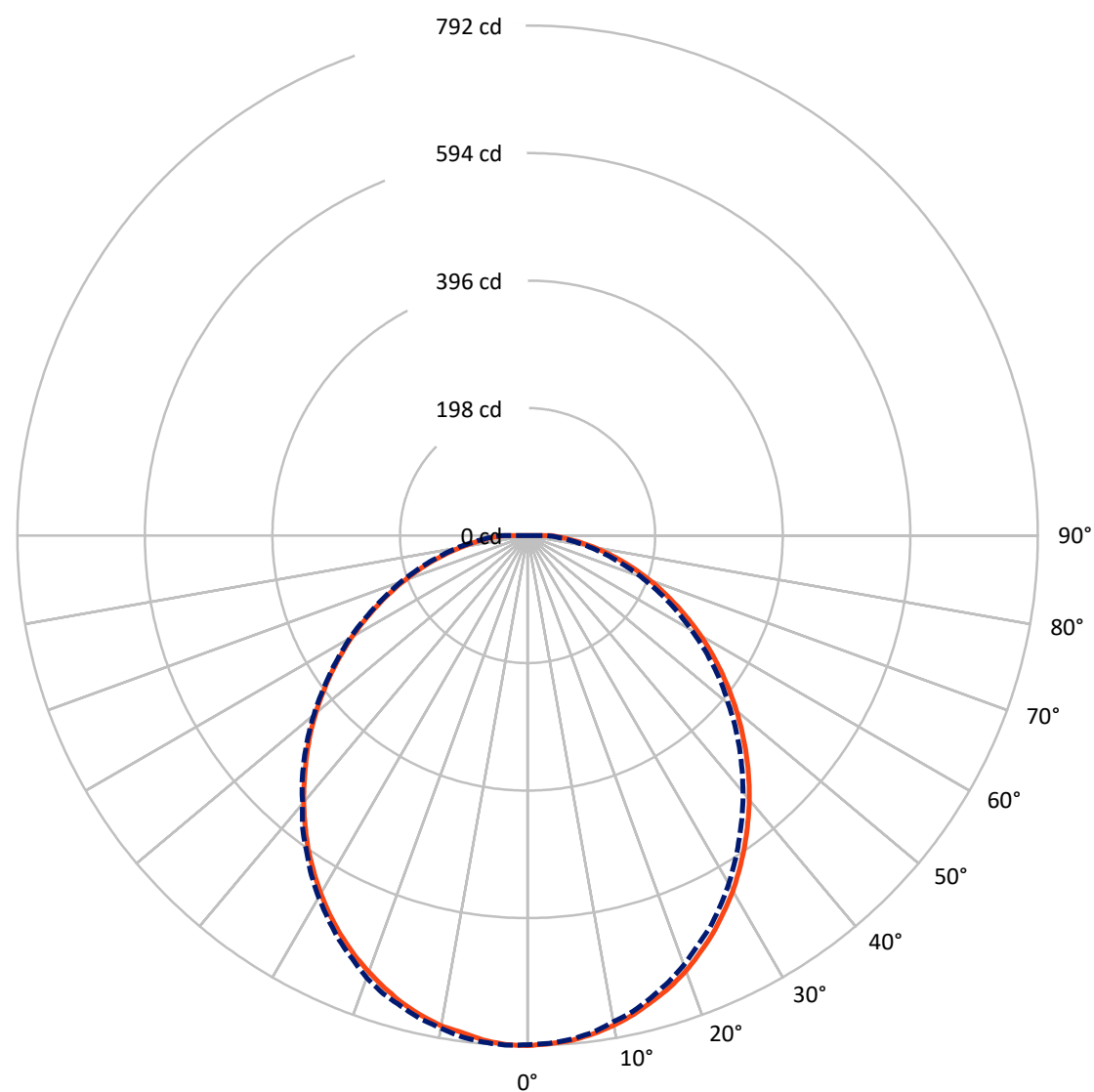
REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

Lumen Table



REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

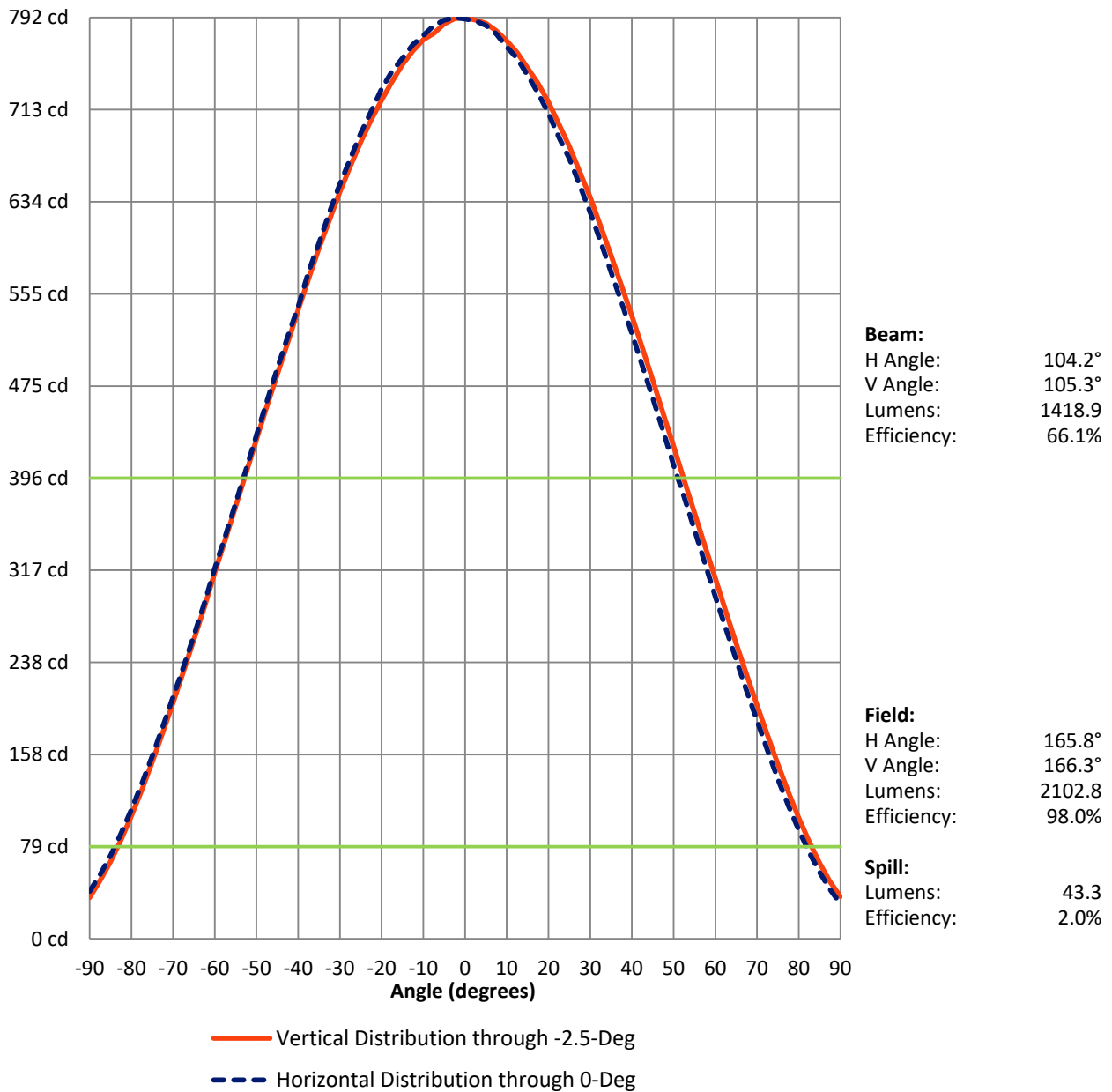
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

Luminous Intensity Plot



REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	40.8	40.8	40.8	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0
87.5°	40.8	41.4	42.0	42.6	43.2	43.7	44.3	44.9	45.4	46.0	46.4
85°	40.8	42.0	43.2	44.4	45.5	46.7	47.9	49.1	50.3	51.5	52.5
82.5°	40.8	42.6	44.4	46.1	48.0	49.8	51.7	53.5	55.4	57.3	59.0
80°	40.8	43.2	45.6	48.0	50.5	53.0	55.5	58.1	60.7	63.4	65.9
77.5°	40.8	43.8	46.7	49.9	53.0	56.2	59.5	62.9	66.3	69.8	73.1
75°	40.8	44.4	48.0	51.7	55.5	59.5	63.6	67.8	72.1	76.4	80.7
72.5°	40.8	44.9	49.2	53.6	58.1	62.9	67.8	72.9	78.0	83.3	88.4
70°	40.8	45.5	50.4	55.4	60.8	66.3	72.1	78.1	84.1	90.3	96.5
67.5°	40.8	46.1	51.6	57.3	63.4	69.8	76.5	83.3	90.3	97.5	104.8
65°	40.8	46.6	52.7	59.2	66.1	73.3	80.9	88.6	96.6	104.8	113.2
62.5°	40.8	47.2	53.9	61.1	68.8	76.9	85.3	93.9	103.0	112.3	121.7
60°	40.8	47.7	55.1	63.0	71.4	80.5	89.7	99.4	109.5	119.7	130.1
57.5°	40.8	48.3	56.2	64.8	74.1	83.9	94.1	104.8	115.9	127.2	138.7
55°	40.8	48.8	57.3	66.7	76.8	87.4	98.5	110.2	122.3	134.6	147.1
52.5°	40.8	49.3	58.4	68.5	79.4	90.8	102.9	115.6	128.6	142.0	155.6
50°	40.8	49.8	59.5	70.2	82.0	94.1	107.2	120.8	134.9	149.2	163.9
47.5°	40.8	50.3	60.6	71.9	84.4	97.5	111.5	126.0	141.0	156.4	172.1
45°	40.8	50.7	61.6	73.7	86.8	100.8	115.6	131.0	146.9	163.4	180.1
42.5°	40.8	51.2	62.6	75.4	89.2	103.9	119.6	136.0	152.8	170.2	187.8
40°	40.8	51.6	63.6	77.0	91.4	107.0	123.5	140.7	158.5	176.8	195.4
37.5°	40.8	52.0	64.5	78.5	93.6	109.9	127.2	145.2	163.9	183.1	202.7
35°	40.8	52.4	65.3	80.0	95.7	112.8	130.8	149.6	169.2	189.2	209.7
32.5°	40.8	52.7	66.2	81.3	97.7	115.5	134.2	153.8	174.2	194.9	216.2
30°	40.8	53.1	66.9	82.6	99.6	118.0	137.4	157.7	178.9	200.4	222.4
27.5°	40.8	53.4	67.6	83.8	101.3	120.3	140.4	161.4	183.2	205.6	228.1
25°	40.8	53.7	68.3	84.9	102.9	122.5	143.1	164.8	187.2	210.4	233.5
22.5°	40.8	54.0	68.9	85.9	104.4	124.5	145.6	167.9	191.0	214.7	238.5
20°	40.8	54.2	69.4	86.8	105.8	126.3	147.9	170.8	194.4	218.6	242.9
17.5°	40.8	54.4	69.9	87.6	107.0	127.9	150.0	173.4	197.4	222.0	246.9
15°	40.8	54.6	70.3	88.4	108.0	129.3	151.8	175.7	200.1	225.0	250.4
12.5°	40.8	54.7	70.7	89.0	108.9	130.5	153.4	177.6	202.4	227.6	253.5
10°	40.8	54.9	71.0	89.5	109.7	131.5	154.7	179.2	204.3	229.7	256.1
7.5°	40.8	55.0	71.2	89.9	110.2	132.3	155.7	180.4	205.9	231.5	258.1
5°	40.8	55.0	71.4	90.2	110.7	132.9	156.4	181.3	207.0	232.7	259.6
2.5°	40.8	55.1	71.5	90.3	110.9	133.2	156.8	181.8	207.6	233.5	260.5
0°	40.8	55.1	71.5	90.4	111.0	133.3	157.0	182.0	207.9	233.7	260.8
-2.5°	40.8	55.1	71.5	90.4	110.9	133.3	156.9	182.0	207.8	233.7	260.8
-5°	40.8	55.0	71.4	90.2	110.7	133.0	156.6	181.5	207.3	233.1	260.2
-7.5°	40.8	55.0	71.2	89.9	110.3	132.5	156.0	180.8	206.4	232.1	259.0
-10°	40.8	54.9	71.0	89.6	109.8	131.7	155.0	179.7	205.1	230.5	257.2
-12.5°	40.8	54.8	70.7	89.1	109.1	130.7	153.8	178.2	203.4	228.5	254.9
-15°	40.8	54.6	70.4	88.5	108.2	129.6	152.4	176.4	201.2	226.2	251.9
-17.5°	40.8	54.4	70.0	87.7	107.2	128.2	150.6	174.2	198.7	223.4	248.6
-20°	40.8	54.2	69.5	86.9	106.0	126.6	148.6	171.7	195.8	220.1	244.9

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	40.8	54.0	69.0	86.0	104.7	124.8	146.4	168.9	192.5	216.5	240.7
-25°	40.8	53.7	68.4	85.0	103.2	122.9	143.9	165.9	188.7	212.4	235.8
-27.5°	40.8	53.4	67.7	84.0	101.6	120.7	141.1	162.6	184.8	207.8	230.4
-30°	40.8	53.1	67.0	82.8	99.8	118.4	138.1	159.0	180.5	202.9	224.9
-32.5°	40.8	52.8	66.2	81.5	98.0	115.9	135.0	155.1	175.8	197.5	219.0
-35°	40.8	52.4	65.4	80.1	96.0	113.2	131.6	150.9	170.9	191.6	212.7
-37.5°	40.8	52.0	64.5	78.7	93.9	110.4	128.0	146.5	165.7	185.5	206.0
-40°	40.8	51.6	63.6	77.2	91.8	107.5	124.2	141.9	160.4	179.0	198.8
-42.5°	40.8	51.2	62.7	75.6	89.5	104.4	120.3	137.1	154.7	172.5	190.9
-45°	40.8	50.8	61.7	73.9	87.1	101.3	116.3	132.2	148.8	165.7	182.9
-47.5°	40.8	50.3	60.7	72.1	84.7	98.1	112.2	127.1	142.6	158.8	174.9
-50°	40.8	49.8	59.6	70.4	82.2	94.7	108.0	121.7	136.4	151.5	166.7
-52.5°	40.8	49.3	58.5	68.7	79.7	91.3	103.6	116.5	130.0	144.0	158.4
-55°	40.8	48.8	57.4	66.9	77.1	87.8	99.3	111.2	123.5	136.4	149.8
-57.5°	40.8	48.3	56.3	65.0	74.4	84.4	94.8	105.7	117.0	128.8	140.9
-60°	40.8	47.8	55.1	63.1	71.7	80.8	90.3	100.3	110.6	121.0	132.1
-62.5°	40.8	47.2	54.0	61.3	69.0	77.3	85.8	94.8	104.0	113.6	123.2
-65°	40.8	46.6	52.8	59.3	66.3	73.7	81.4	89.4	97.7	106.1	114.7
-67.5°	40.8	46.1	51.6	57.4	63.7	70.2	77.0	84.0	91.2	98.7	106.2
-70°	40.8	45.5	50.4	55.6	61.0	66.7	72.6	78.7	84.9	91.3	97.9
-72.5°	40.8	44.9	49.2	53.7	58.3	63.2	68.3	73.5	78.7	84.1	89.6
-75°	40.8	44.4	48.0	51.8	55.7	59.8	64.0	68.3	72.8	77.2	81.6
-77.5°	40.8	43.8	46.8	49.9	53.1	56.4	59.8	63.3	66.9	70.5	74.1
-80°	40.8	43.2	45.6	48.1	50.6	53.1	55.8	58.4	61.2	63.9	66.7
-82.5°	40.8	42.6	44.4	46.2	48.1	49.9	51.8	53.8	55.7	57.7	59.6
-85°	40.8	42.0	43.2	44.4	45.6	46.8	48.1	49.3	50.5	51.7	52.9
-87.5°	40.8	41.4	42.0	42.6	43.3	43.9	44.4	45.0	45.6	46.2	46.7
-90°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.6

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	40.9	40.9	40.9	40.8	40.8	40.8	40.7	40.7	40.4	40.2	39.9
87.5°	46.8	47.1	47.5	47.9	48.2	48.5	48.8	49.1	49.3	49.6	49.8
85°	53.5	54.5	55.5	56.4	57.4	58.3	59.2	60.1	60.9	61.6	62.3
82.5°	60.7	62.4	64.1	65.8	67.4	69.0	70.5	72.0	73.5	74.9	76.2
80°	68.4	70.9	73.4	75.8	78.2	80.6	82.8	85.0	87.3	89.4	91.4
77.5°	76.5	79.8	83.1	86.4	89.7	92.9	96.0	99.1	102.0	104.9	107.6
75°	84.9	89.1	93.3	97.6	101.8	105.9	109.9	113.8	117.5	121.3	124.9
72.5°	93.6	98.9	104.1	109.3	114.4	119.4	124.4	129.2	134.0	138.6	143.0
70°	102.7	108.9	115.2	121.3	127.5	133.5	139.5	145.2	151.1	156.8	162.2
67.5°	112.0	119.2	126.5	133.8	140.9	148.0	155.2	162.3	169.1	175.4	181.5
65°	121.4	129.7	138.1	146.3	154.8	163.1	171.3	179.2	186.9	194.1	201.1
62.5°	131.0	140.4	149.8	159.4	168.9	178.2	187.3	196.1	204.8	213.1	221.0
60°	140.6	151.1	161.8	172.4	182.8	193.2	203.4	213.3	222.9	232.2	241.1
57.5°	150.2	161.9	173.6	185.2	196.8	208.3	219.5	230.4	241.1	251.5	261.3
55°	159.8	172.6	185.3	198.1	210.8	223.3	235.5	247.6	259.3	270.7	281.7
52.5°	169.3	183.1	197.0	210.9	224.6	238.1	251.6	264.7	277.5	290.1	302.2
50°	178.7	193.6	208.6	223.5	238.2	253.0	267.4	281.6	295.7	309.3	322.1
47.5°	187.9	203.9	219.9	235.8	251.8	267.5	283.0	298.6	313.7	328.1	341.9
45°	196.9	213.9	230.9	248.0	264.9	281.7	298.7	315.4	331.3	346.6	361.5
42.5°	205.8	223.7	241.7	259.9	277.8	296.0	314.3	331.5	348.4	364.8	380.6
40°	214.3	233.1	252.2	271.2	290.4	310.2	328.9	347.2	365.2	382.5	399.4
37.5°	222.4	242.2	262.3	282.3	303.1	323.5	343.1	362.5	381.3	399.8	417.9
35°	230.1	251.0	271.9	293.0	315.4	336.2	356.8	377.1	397.1	416.7	435.6
32.5°	237.5	259.4	281.2	303.9	326.4	348.2	369.9	391.2	412.2	432.7	452.7
30°	244.6	267.2	289.9	314.2	337.1	359.9	382.2	404.7	426.6	448.2	468.9
27.5°	251.1	274.7	298.5	323.4	346.9	370.7	394.2	417.4	440.3	462.6	484.2
25°	257.4	281.6	306.8	331.9	356.2	380.6	405.1	429.2	453.0	476.2	498.7
22.5°	263.1	287.9	314.4	339.6	364.9	390.0	415.3	440.3	464.7	488.6	511.9
20°	268.2	293.5	321.1	346.5	372.6	398.8	424.6	450.3	475.6	500.2	524.3
17.5°	272.8	299.1	326.9	352.8	379.4	406.1	432.9	459.3	485.2	510.3	535.2
15°	277.0	304.1	331.9	358.6	385.5	412.8	440.3	467.4	493.6	519.5	544.6
12.5°	280.5	308.3	336.1	363.7	391.1	418.9	446.7	474.6	500.9	527.3	552.9
10°	283.5	311.8	339.5	367.5	395.8	423.8	452.0	480.5	506.8	534.0	560.0
7.5°	285.6	314.6	342.3	370.6	399.3	427.7	456.2	484.7	511.5	538.5	565.7
5°	287.2	316.7	344.3	372.7	401.6	430.5	459.4	487.8	515.0	541.5	570.0
2.5°	288.2	318.0	345.5	374.1	403.1	432.4	461.4	489.7	517.1	543.2	572.7
0°	288.5	318.5	345.9	374.6	403.6	433.1	462.2	490.5	517.9	543.6	573.8
-2.5°	288.5	318.3	345.8	374.5	403.5	432.9	462.0	490.2	517.7	543.6	573.2
-5°	287.9	317.3	345.0	373.5	402.5	431.6	460.6	488.8	516.2	542.5	570.9
-7.5°	286.6	315.5	343.3	371.7	400.5	429.2	458.2	486.2	513.3	540.0	567.2
-10°	284.7	313.0	340.9	369.0	397.4	425.8	454.5	482.3	509.1	536.2	561.9
-12.5°	282.1	309.8	337.7	365.4	393.3	421.4	449.5	477.0	503.3	530.2	555.3
-15°	278.9	305.9	333.7	360.8	388.3	415.8	443.4	470.5	496.6	523.1	547.4
-17.5°	275.2	301.6	329.0	355.4	382.6	409.5	436.7	463.8	488.7	514.8	539.1
-20°	270.9	296.7	323.5	349.5	375.8	402.3	428.8	455.5	479.5	504.3	529.2

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	266.0	291.2	317.2	342.8	368.2	394.3	419.9	445.1	469.8	493.6	517.6
-25°	260.5	284.9	309.9	335.1	360.0	385.4	410.1	434.8	459.9	481.6	504.1
-27.5°	254.1	278.5	302.6	326.9	351.3	375.3	399.3	423.3	446.3	469.3	490.9
-30°	247.7	271.5	294.8	318.1	341.6	364.4	388.3	410.9	433.3	455.5	476.4
-32.5°	241.0	263.9	285.7	308.2	330.7	353.6	375.8	397.7	419.3	440.2	461.1
-35°	233.4	255.1	277.2	299.3	320.1	341.7	362.7	384.1	404.4	424.5	443.8
-37.5°	225.8	246.5	267.9	287.7	308.3	328.9	349.5	369.2	389.2	408.1	426.5
-40°	217.9	237.3	257.3	277.2	296.9	315.8	335.2	354.3	372.9	391.2	408.6
-42.5°	209.7	227.8	246.7	265.9	283.6	302.6	320.5	338.7	356.2	373.5	390.1
-45°	201.1	218.3	235.6	253.2	271.2	287.8	305.5	322.3	339.3	355.2	370.9
-47.5°	191.6	208.6	224.5	241.0	257.5	273.8	289.5	305.8	321.2	336.9	351.3
-50°	182.0	198.1	213.4	228.3	243.8	259.0	273.9	288.2	303.3	317.4	331.4
-52.5°	172.6	187.0	201.9	215.8	229.7	243.9	257.8	271.3	284.3	297.7	310.6
-55°	163.1	176.1	189.5	203.1	215.9	228.7	241.4	253.9	266.2	277.5	288.9
-57.5°	153.3	165.4	177.4	189.6	201.9	213.5	225.1	236.5	247.6	258.4	268.3
-60°	143.2	154.5	165.5	176.4	187.3	198.3	208.7	219.0	229.1	238.7	247.6
-62.5°	133.3	143.3	153.5	163.3	173.1	182.7	192.3	201.6	210.5	219.1	227.1
-65°	123.3	132.4	141.2	150.2	159.0	167.5	176.0	184.2	192.2	199.5	206.5
-67.5°	113.8	121.3	129.3	137.0	144.8	152.4	159.8	167.0	174.1	180.5	186.6
-70°	104.3	111.0	117.5	124.2	131.0	137.4	143.8	150.1	156.1	161.5	166.7
-72.5°	95.2	100.7	106.3	111.9	117.4	122.8	128.4	133.7	138.4	142.9	147.2
-75°	86.1	90.7	95.3	99.9	104.4	108.9	113.3	117.6	121.5	125.1	128.6
-77.5°	77.6	81.2	84.7	88.2	91.8	95.4	98.9	102.3	105.3	108.0	110.6
-80°	69.4	72.1	74.8	77.5	80.1	82.7	85.2	87.6	89.8	91.8	93.6
-82.5°	61.6	63.4	65.3	67.2	69.0	70.8	72.6	74.3	75.8	77.0	78.2
-85°	54.1	55.3	56.5	57.6	58.7	59.8	60.8	61.9	62.6	63.2	63.8
-87.5°	47.2	47.8	48.3	48.8	49.3	49.8	50.3	50.7	50.9	51.0	51.1
-90°	40.5	40.3	40.1	40.0	39.8	39.6	39.5	39.3	39.1	39.0	38.8

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	39.7	39.4	39.2	38.9	38.7	38.4	38.1	37.9	37.6	37.3	37.1
87.5°	50.0	50.2	50.4	50.6	50.7	50.8	50.7	50.5	50.4	50.2	49.9
85°	63.0	63.7	64.3	64.8	65.3	65.7	65.9	65.9	66.0	65.9	65.8
82.5°	77.5	78.7	79.8	80.8	81.7	82.6	83.1	83.5	83.8	84.0	84.0
80°	93.3	95.1	96.7	98.3	99.7	101.0	101.9	102.7	103.3	103.8	104.1
77.5°	110.2	112.7	115.0	117.1	119.2	121.2	122.6	123.8	124.8	125.5	126.1
75°	128.4	131.6	134.6	137.5	140.1	142.5	144.4	146.0	147.3	148.4	149.3
72.5°	147.2	151.4	155.2	158.7	161.8	164.6	167.0	169.0	170.8	172.3	173.5
70°	167.1	171.8	176.1	180.3	184.1	187.6	190.7	193.4	195.7	197.6	199.0
67.5°	187.3	192.8	198.0	202.9	207.4	211.4	215.0	218.1	220.8	223.0	224.8
65°	207.9	214.1	220.1	225.7	230.9	235.6	239.7	243.3	246.4	249.0	251.0
62.5°	228.6	235.7	242.5	248.8	254.6	260.1	265.1	269.3	272.9	275.8	278.2
60°	249.6	257.6	265.3	272.5	279.1	285.1	290.5	295.5	299.7	303.2	306.0
57.5°	270.8	279.8	288.3	296.4	304.1	311.2	317.6	323.1	327.4	330.9	333.7
55°	292.2	302.3	311.8	320.9	329.2	336.5	343.1	348.9	353.9	358.1	361.5
52.5°	313.5	324.6	334.8	344.3	353.3	361.6	369.3	375.8	380.9	385.6	389.4
50°	334.5	346.3	357.5	368.1	377.8	387.0	395.4	402.3	408.5	413.9	417.9
47.5°	355.3	368.0	380.1	391.6	402.2	412.2	421.4	429.3	435.2	440.6	445.2
45°	375.6	389.4	402.6	415.1	426.7	436.7	446.0	454.7	462.2	468.2	473.2
42.5°	395.8	410.7	424.8	437.8	450.0	461.5	471.8	480.9	488.9	495.3	500.2
40°	415.8	431.4	446.4	460.5	473.6	485.6	496.6	506.1	514.4	521.4	527.0
37.5°	435.2	451.8	467.5	482.4	496.3	509.0	520.5	530.7	540.5	547.1	552.8
35°	454.0	471.4	487.8	503.7	518.4	531.8	544.1	554.7	564.7	572.9	578.3
32.5°	471.9	490.1	507.7	524.3	539.5	553.6	566.8	578.1	587.7	596.4	603.2
30°	488.9	508.2	526.7	543.6	559.8	575.1	588.2	600.4	611.4	620.9	627.2
27.5°	505.2	525.4	544.3	562.4	579.4	595.0	609.1	622.1	632.1	640.9	648.5
25°	520.6	541.3	561.2	580.1	597.7	613.7	628.2	640.9	652.3	662.2	669.2
22.5°	534.6	556.3	577.0	596.4	614.4	630.8	646.0	659.6	670.9	681.1	689.6
20°	547.6	570.0	591.1	611.2	629.7	646.9	662.6	676.1	688.4	698.8	706.6
17.5°	559.3	582.2	604.0	624.5	643.7	661.4	677.1	691.3	703.7	714.2	722.3
15°	569.6	593.0	615.4	636.4	656.0	674.2	690.4	704.8	717.6	728.2	736.6
12.5°	578.6	602.1	625.1	646.7	666.8	685.1	701.6	716.6	729.5	740.5	749.5
10°	586.1	609.8	633.3	655.0	675.8	694.3	711.3	726.5	739.6	750.9	759.4
7.5°	591.7	615.9	639.7	661.5	682.5	701.8	718.7	734.4	747.6	758.5	767.5
5°	595.4	620.6	644.5	666.3	687.7	707.8	724.6	739.9	753.2	764.5	773.6
2.5°	597.6	623.6	647.7	669.6	691.2	710.6	728.8	743.9	756.2	767.7	776.7
0°	598.4	624.8	649.0	670.9	692.8	711.6	730.9	746.0	757.3	768.9	776.8
-2.5°	598.1	624.0	648.1	670.1	691.7	710.8	729.1	744.3	756.6	767.7	776.6
-5°	596.4	621.4	645.2	667.6	688.7	708.1	725.5	741.0	754.9	764.5	773.9
-7.5°	593.2	617.3	640.0	662.9	684.1	703.2	720.3	735.8	748.8	759.8	768.5
-10°	588.1	612.1	634.5	655.9	677.4	696.6	712.9	728.1	741.6	753.3	762.3
-12.5°	580.7	604.8	627.8	649.3	670.0	688.0	704.5	720.2	731.9	743.9	751.8
-15°	572.5	596.1	618.4	638.0	658.7	677.7	694.5	709.4	722.7	730.8	738.8
-17.5°	562.9	585.9	608.5	629.0	647.5	666.4	681.9	696.5	709.0	718.4	725.2
-20°	551.9	574.3	596.4	616.6	635.1	651.8	668.9	681.5	692.9	701.9	710.7

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	540.1	561.7	582.2	603.0	621.2	637.9	651.8	665.6	676.0	684.8	691.6
-25°	527.0	547.8	567.7	586.9	605.7	621.8	635.2	647.2	658.2	666.6	673.2
-27.5°	511.7	532.9	552.0	570.0	587.6	603.5	616.4	627.8	639.1	647.8	654.1
-30°	496.6	515.5	535.2	552.7	568.2	582.3	596.2	607.4	617.0	625.0	632.3
-32.5°	480.5	498.8	515.6	533.6	548.4	562.0	573.8	585.1	594.7	602.4	609.0
-35°	462.9	481.3	497.9	511.9	526.8	540.1	551.9	562.4	570.9	578.5	584.8
-37.5°	444.2	461.3	478.0	492.2	504.4	516.7	527.7	538.0	546.6	554.3	559.7
-40°	425.3	441.3	455.9	470.1	482.9	494.0	503.8	513.5	520.6	527.1	532.9
-42.5°	406.1	420.5	434.1	447.0	458.9	470.2	479.8	488.3	495.6	501.8	506.6
-45°	386.0	399.3	411.8	423.7	434.9	445.2	454.4	462.7	469.6	475.1	479.5
-47.5°	364.8	377.7	389.3	400.2	410.4	419.7	428.4	436.3	442.6	447.9	452.0
-50°	343.8	355.1	366.2	376.6	386.0	394.4	402.0	408.9	414.9	419.7	423.7
-52.5°	321.7	333.0	343.1	352.3	361.0	369.0	376.1	382.4	387.7	391.9	395.2
-55°	299.9	310.0	319.2	328.1	336.2	343.4	349.9	355.5	360.3	364.2	367.3
-57.5°	277.6	286.6	295.5	303.6	310.7	317.3	323.3	328.6	333.0	336.5	339.3
-60°	256.2	264.4	272.1	279.2	285.4	291.7	297.4	301.6	305.3	308.5	311.1
-62.5°	234.7	241.8	248.5	254.9	260.9	266.5	271.6	275.4	278.2	280.6	282.5
-65°	213.3	219.8	225.8	231.4	236.4	240.9	244.9	248.2	251.1	253.5	255.3
-67.5°	192.3	197.6	202.8	207.8	212.3	216.4	219.9	222.8	225.2	227.1	228.5
-70°	171.7	176.5	180.9	185.0	188.7	191.9	194.6	196.9	199.0	200.7	201.9
-72.5°	151.3	155.3	159.1	162.5	165.6	168.4	170.8	172.8	174.4	175.6	176.5
-75°	131.8	134.8	137.6	140.2	142.6	144.7	146.6	148.4	149.8	150.9	151.6
-77.5°	113.0	115.3	117.5	119.5	121.3	122.9	124.2	125.3	126.3	127.1	127.6
-80°	95.4	97.2	98.8	100.2	101.5	102.5	103.4	104.2	104.8	105.2	105.5
-82.5°	79.4	80.4	81.3	82.2	82.9	83.6	84.1	84.5	84.8	85.1	85.2
-85°	64.4	65.0	65.4	65.8	66.2	66.5	66.7	66.8	66.9	66.9	66.8
-87.5°	51.2	51.3	51.3	51.3	51.3	51.3	51.2	51.2	51.0	50.9	50.7
-90°	38.6	38.5	38.3	38.1	38.0	37.8	37.5	37.2	36.9	36.6	36.3

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	36.8	36.5	36.3	36.0	35.7	35.3	35.0	34.6	34.3	33.9	33.6
87.5°	49.7	49.4	49.1	48.8	48.5	48.2	47.8	47.5	47.1	46.6	46.2
85°	65.6	65.4	65.1	64.7	64.4	63.9	63.5	62.9	62.4	61.7	61.0
82.5°	84.0	83.9	83.6	83.3	82.8	82.3	81.7	80.9	80.0	79.1	78.0
80°	104.2	104.2	104.0	103.6	103.1	102.5	101.7	100.7	99.5	98.3	96.8
77.5°	126.4	126.4	126.3	126.0	125.4	124.6	123.6	122.4	121.0	119.3	117.5
75°	149.8	150.1	150.1	149.8	149.1	148.2	146.9	145.4	143.6	141.6	139.3
72.5°	174.4	175.0	175.2	175.0	174.2	173.0	171.5	169.6	167.3	164.8	162.1
70°	200.1	200.7	200.9	200.7	199.8	198.5	196.8	194.7	192.3	189.5	186.3
67.5°	226.1	226.9	227.2	227.1	226.1	224.7	222.9	220.6	217.8	214.6	210.8
65°	252.5	253.5	253.9	253.8	252.8	251.3	249.3	246.7	243.6	240.0	235.7
62.5°	280.0	281.2	281.7	281.7	280.6	278.9	276.5	273.5	270.0	265.9	261.1
60°	308.1	309.4	310.0	309.9	308.8	306.9	304.2	300.9	296.7	292.0	287.0
57.5°	335.9	337.3	338.0	337.9	336.8	335.0	332.4	329.0	324.9	319.9	314.2
55°	364.0	365.7	366.4	366.3	365.1	363.1	360.1	356.3	351.6	346.3	340.4
52.5°	392.2	394.0	394.8	394.7	393.5	391.3	388.1	384.0	378.9	373.0	366.5
50°	420.9	422.8	423.7	423.5	422.2	419.9	416.6	412.4	407.1	400.7	393.3
47.5°	448.7	450.8	451.8	451.7	450.5	448.2	444.8	440.0	434.0	426.9	419.2
45°	476.8	479.3	480.5	480.5	479.1	476.5	472.8	468.0	461.7	454.0	445.5
42.5°	503.9	506.7	508.3	508.4	506.7	503.6	499.3	494.2	488.0	480.2	471.3
40°	531.4	534.3	535.6	535.5	534.1	531.2	526.9	521.2	513.7	505.0	495.4
37.5°	557.4	560.3	561.8	561.8	560.0	556.5	551.7	546.2	539.5	531.0	520.2
35°	582.9	586.1	587.7	587.7	585.9	582.5	577.7	571.4	564.1	555.5	543.4
32.5°	608.2	611.4	612.9	612.6	610.8	607.2	602.1	595.4	586.9	577.0	566.2
30°	631.9	635.6	637.7	638.1	635.7	631.6	625.8	618.7	610.3	599.7	587.9
27.5°	654.3	658.2	659.6	659.4	657.4	653.6	647.9	640.7	631.0	620.4	608.8
25°	675.7	679.5	681.5	681.5	679.4	675.3	669.2	661.2	651.6	640.8	627.7
22.5°	695.7	698.9	700.7	700.7	698.5	694.5	688.6	680.6	670.9	658.8	645.9
20°	712.8	716.9	719.5	720.3	717.9	713.1	706.5	698.3	688.0	675.8	662.0
17.5°	729.7	733.1	735.6	735.8	733.4	728.8	722.4	714.7	703.7	691.5	676.4
15°	742.9	747.6	748.9	749.0	746.7	742.4	735.8	727.6	717.0	704.8	690.1
12.5°	755.3	759.6	762.0	762.4	759.7	755.5	748.8	739.5	728.6	715.3	701.1
10°	765.9	769.3	772.2	772.9	769.4	765.9	758.5	749.7	738.5	725.7	709.2
7.5°	774.2	778.9	780.8	780.9	777.5	773.9	767.0	757.6	746.5	732.6	716.0
5°	780.4	784.6	787.2	786.6	782.7	780.2	772.9	763.7	751.7	738.5	722.9
2.5°	783.8	788.1	790.0	789.0	787.4	782.2	775.6	766.7	755.9	741.8	726.2
0°	785.2	790.0	792.2	791.0	789.4	785.4	778.1	766.9	757.0	742.5	727.3
-2.5°	783.9	789.0	791.3	789.2	787.1	782.2	775.5	765.7	755.3	741.1	725.9
-5°	780.9	785.0	786.8	786.8	782.8	778.8	771.6	762.4	750.9	737.5	722.3
-7.5°	775.3	778.7	778.6	780.8	778.7	772.3	766.2	757.0	745.5	732.1	716.7
-10°	767.4	771.6	773.2	773.4	770.4	765.7	758.5	749.6	738.3	725.0	709.9
-12.5°	757.3	761.3	763.5	763.1	760.3	755.6	749.3	739.8	728.8	715.8	700.9
-15°	745.7	749.7	751.8	752.3	749.4	743.6	736.5	728.2	717.5	704.7	690.1
-17.5°	729.5	734.5	737.1	737.3	734.6	730.0	723.1	716.0	704.3	691.7	677.1
-20°	715.0	719.2	721.2	720.8	719.3	715.3	708.2	699.7	688.7	676.3	662.6

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	697.0	701.5	704.3	704.7	701.8	696.8	689.9	681.0	671.1	659.5	646.8
-25°	678.6	682.7	685.2	685.8	682.5	677.1	670.2	661.6	653.1	642.4	628.8
-27.5°	658.9	662.2	664.3	664.7	661.6	656.9	651.1	643.4	633.1	622.2	610.1
-30°	637.5	640.7	642.3	642.1	639.3	634.7	628.5	621.4	612.5	601.1	588.7
-32.5°	613.4	616.5	618.2	618.2	615.7	611.4	605.2	597.1	588.4	578.8	567.5
-35°	589.4	592.4	594.0	594.0	591.4	587.1	581.2	574.0	565.8	555.7	545.0
-37.5°	563.5	566.3	567.7	567.6	565.1	561.1	555.6	549.1	540.9	530.9	521.1
-40°	537.0	539.6	540.8	540.6	538.2	534.5	529.4	523.1	515.8	507.3	497.5
-42.5°	509.9	511.9	512.8	512.4	510.5	507.3	502.9	496.9	489.2	480.8	472.1
-45°	482.7	484.7	485.4	485.0	483.0	479.9	475.7	470.4	463.5	455.2	446.5
-47.5°	455.1	457.1	458.0	457.7	455.6	452.4	448.2	442.9	436.7	429.4	421.3
-50°	426.7	428.6	429.5	429.2	427.3	424.4	420.4	415.4	409.5	403.2	395.7
-52.5°	397.8	399.5	400.3	400.1	398.4	395.7	392.1	387.6	382.2	376.0	368.5
-55°	369.7	371.1	371.7	371.4	369.7	367.1	363.7	359.5	354.5	348.7	342.0
-57.5°	341.3	342.6	343.1	342.8	341.2	338.7	335.5	331.6	327.0	321.8	315.7
-60°	313.1	314.3	314.8	314.6	313.1	310.8	307.8	304.2	299.9	295.1	289.7
-62.5°	284.0	284.8	285.0	284.5	283.3	281.4	278.9	275.8	272.1	268.0	263.3
-65°	256.5	257.2	257.2	256.7	255.6	253.9	251.7	248.9	245.5	241.7	237.3
-67.5°	229.4	229.9	229.9	229.4	228.3	226.8	224.8	222.3	219.4	216.0	212.1
-70°	202.7	203.0	202.9	202.4	201.4	200.0	198.2	196.1	193.5	190.6	187.3
-72.5°	177.0	177.2	177.0	176.5	175.6	174.4	172.8	170.9	168.7	166.1	163.2
-75°	152.0	152.2	152.0	151.5	150.6	149.4	148.0	146.2	144.2	141.9	139.4
-77.5°	127.9	128.0	127.9	127.5	126.7	125.7	124.5	123.0	121.3	119.5	117.4
-80°	105.7	105.7	105.5	105.2	104.5	103.6	102.6	101.4	100.0	98.6	96.9
-82.5°	85.2	85.1	84.8	84.5	83.9	83.2	82.3	81.4	80.3	79.2	78.0
-85°	66.7	66.5	66.2	65.9	65.4	64.8	64.1	63.4	62.7	61.8	61.0
-87.5°	50.5	50.3	50.0	49.8	49.3	48.9	48.4	47.9	47.3	46.8	46.2
-90°	36.0	35.7	35.4	35.1	34.9	34.7	34.4	34.2	34.0	33.8	33.5

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	33.2	32.9	32.7	32.5	32.3	32.1	32.0	31.8	31.6	31.4	31.2
87.5°	45.7	45.2	44.7	44.1	43.6	43.0	42.4	41.8	41.2	40.5	39.9
85°	60.2	59.4	58.5	57.6	56.6	55.6	54.6	53.5	52.4	51.2	50.0
82.5°	76.9	75.6	74.3	72.9	71.4	69.8	68.1	66.4	64.7	62.9	61.1
80°	95.2	93.5	91.6	89.7	87.6	85.5	83.2	80.9	78.4	75.9	73.3
77.5°	115.5	113.3	110.8	108.2	105.4	102.6	99.6	96.4	93.2	89.9	86.5
75°	136.7	134.0	131.0	127.7	124.2	120.8	117.1	113.2	109.0	104.7	100.6
72.5°	159.2	155.9	152.4	148.5	144.3	140.0	135.4	130.6	125.6	120.5	115.6
70°	182.7	178.7	174.6	170.0	165.2	160.1	154.8	149.1	143.1	137.0	131.0
67.5°	206.5	201.9	197.1	192.0	186.6	180.8	174.8	168.3	161.5	154.5	147.3
65°	230.9	225.8	220.6	215.0	208.4	201.5	194.7	187.5	179.8	172.2	164.2
62.5°	255.8	250.4	244.4	237.7	230.5	222.9	215.4	206.9	198.2	189.8	180.6
60°	281.4	275.1	268.2	261.0	253.3	245.0	235.9	226.6	217.2	207.4	197.2
57.5°	307.5	300.2	292.4	284.4	275.7	266.6	257.2	247.1	236.1	225.2	214.3
55°	333.7	326.4	317.7	308.3	298.6	288.6	277.7	266.8	255.7	243.7	231.0
52.5°	359.0	350.6	341.6	332.1	322.0	310.3	298.7	287.0	274.0	261.5	248.3
50°	384.8	375.6	365.8	355.3	344.0	331.9	319.9	306.1	293.1	279.0	264.8
47.5°	410.6	401.0	390.2	378.3	366.2	353.5	339.9	326.1	311.3	296.3	281.2
45°	435.7	425.0	413.4	401.6	388.6	374.2	360.0	345.4	329.6	313.9	297.0
42.5°	461.3	449.3	437.0	424.0	409.5	395.4	379.6	363.9	347.8	330.5	313.5
40°	485.4	473.1	460.4	445.7	431.0	414.9	399.2	382.4	365.0	347.3	328.7
37.5°	508.4	495.6	482.7	467.4	451.3	434.6	417.8	400.2	381.9	363.0	343.8
35°	532.0	517.9	503.7	488.0	471.5	454.0	435.8	417.2	398.0	378.3	358.0
32.5°	552.8	539.7	524.3	507.6	490.3	472.4	453.3	433.7	413.5	392.7	371.8
30°	574.3	559.8	543.0	526.9	508.3	489.5	469.7	449.1	428.1	406.7	384.3
27.5°	594.7	579.0	562.4	544.0	526.1	505.5	485.3	463.7	441.7	419.0	396.4
25°	613.4	597.3	580.1	561.7	542.0	521.4	498.5	477.4	454.8	431.8	408.3
22.5°	630.9	614.1	596.4	577.3	557.1	536.4	513.6	489.9	466.0	442.2	417.6
20°	647.2	630.0	611.4	591.8	570.9	548.9	525.8	500.0	476.8	452.6	427.7
17.5°	660.8	644.5	624.7	604.7	583.1	560.7	537.6	512.8	487.3	461.5	436.4
15°	674.0	655.1	636.9	615.1	593.4	570.8	547.1	521.4	494.5	469.6	443.4
12.5°	684.0	666.5	647.6	625.2	603.0	579.4	555.0	529.8	502.7	476.6	449.7
10°	692.9	675.2	654.0	633.8	610.5	587.1	562.2	536.4	510.2	482.6	454.9
7.5°	700.1	681.2	661.7	640.6	616.6	592.6	567.3	541.4	514.8	487.3	459.2
5°	705.4	685.7	667.1	645.0	621.2	596.5	570.8	544.9	518.0	490.2	462.3
2.5°	708.5	688.6	670.1	647.3	623.9	598.9	572.9	546.9	519.9	492.0	464.3
0°	709.9	689.3	670.9	648.0	624.7	599.6	573.4	547.5	520.5	492.7	465.0
-2.5°	708.8	688.5	669.6	646.9	623.6	598.7	572.7	546.7	519.8	492.1	464.3
-5°	705.5	685.7	666.4	643.9	620.8	596.2	570.4	544.4	517.7	490.2	462.3
-7.5°	699.8	680.9	661.4	639.0	616.3	592.1	566.5	540.5	514.3	487.0	459.0
-10°	692.7	673.8	654.0	632.4	609.9	586.3	561.1	535.2	509.4	482.4	454.6
-12.5°	684.1	665.7	645.6	623.9	601.8	578.4	554.1	528.6	502.9	476.5	449.3
-15°	673.5	655.6	635.8	614.8	592.7	569.2	545.5	520.7	495.3	469.5	443.0
-17.5°	661.3	643.7	624.3	603.9	582.2	559.4	535.7	511.4	486.7	461.3	435.5
-20°	647.4	630.0	611.3	591.5	570.2	548.2	524.9	501.0	476.6	452.0	426.7

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	631.5	614.6	596.9	577.6	557.0	535.5	513.0	489.8	466.0	441.6	417.0
-25°	614.2	598.3	580.9	562.0	542.4	521.5	499.9	477.4	454.4	430.5	406.7
-27.5°	595.4	580.4	563.3	545.6	526.4	506.4	485.5	463.9	441.6	418.7	395.6
-30°	575.6	561.1	545.0	527.7	509.4	490.2	470.2	449.4	427.8	406.1	383.7
-32.5°	554.8	540.7	525.2	508.9	491.3	473.1	453.9	433.8	413.5	392.5	371.0
-35°	532.5	519.1	505.0	489.0	472.5	455.0	436.6	417.7	398.2	378.1	357.6
-37.5°	510.1	497.4	483.0	468.5	452.6	436.0	418.8	400.8	382.2	363.1	343.6
-40°	485.6	474.1	461.3	447.0	432.2	416.6	400.2	383.2	365.6	347.4	328.7
-42.5°	462.1	450.4	438.4	425.3	411.4	396.6	381.1	365.1	348.4	331.1	313.8
-45°	437.2	426.8	415.4	403.0	390.0	376.0	361.4	346.3	330.5	314.7	297.7
-47.5°	412.2	402.5	392.0	380.2	367.9	354.8	341.3	327.1	312.8	296.9	281.0
-50°	386.9	377.7	367.6	356.7	345.5	333.4	320.9	307.8	293.1	278.8	264.5
-52.5°	360.4	352.3	343.2	333.3	322.8	312.0	299.6	286.6	274.0	261.1	248.0
-55°	334.7	326.9	318.8	309.8	299.8	289.1	278.2	266.7	255.1	243.3	231.0
-57.5°	309.1	302.0	294.2	285.8	276.8	267.0	257.2	246.9	236.1	225.3	214.3
-60°	283.9	276.9	269.5	262.1	254.0	245.4	236.3	226.9	217.3	207.5	197.4
-62.5°	257.9	252.0	245.6	238.6	231.3	223.6	215.7	207.3	198.5	189.6	180.5
-65°	232.3	227.0	221.6	215.7	209.2	202.3	195.0	187.6	179.9	171.8	163.8
-67.5°	207.7	203.0	198.0	192.7	187.2	181.2	174.8	168.3	161.5	154.5	147.3
-70°	183.6	179.5	175.0	170.5	165.7	160.5	155.0	149.3	143.4	137.4	131.2
-72.5°	159.8	156.3	152.5	148.6	144.3	140.0	135.5	130.7	125.8	120.8	115.6
-75°	136.6	133.7	130.8	127.6	124.3	120.7	117.0	113.1	109.1	104.8	100.7
-77.5°	115.2	112.8	110.4	107.8	105.2	102.4	99.5	96.4	93.2	89.9	86.6
-80°	95.1	93.3	91.4	89.5	87.4	85.3	83.0	80.6	78.3	75.8	73.2
-82.5°	76.6	75.2	73.9	72.6	71.1	69.5	67.9	66.3	64.6	62.8	61.0
-85°	60.0	59.1	58.2	57.3	56.4	55.4	54.4	53.3	52.2	51.1	49.9
-87.5°	45.6	45.0	44.5	44.0	43.4	42.9	42.3	41.7	41.1	40.5	39.9
-90°	33.3	33.1	32.9	32.7	32.4	32.2	32.0	31.8	31.5	31.3	31.1

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	31.0	30.9	30.7	30.5	30.4	30.2	30.0	29.9	29.7	29.7	29.8
87.5°	39.4	38.9	38.4	37.9	37.3	36.8	36.2	35.6	35.0	34.5	33.9
85°	48.9	47.7	46.6	45.5	44.4	43.3	42.2	41.1	39.9	38.8	37.7
82.5°	59.4	57.7	56.0	54.2	52.4	50.5	48.7	46.8	45.1	43.3	41.6
80°	70.9	68.4	65.8	63.3	60.8	58.3	55.7	53.1	50.6	48.1	45.6
77.5°	83.3	80.0	76.6	73.2	69.8	66.4	63.0	59.7	56.4	53.2	49.9
75°	96.5	92.3	88.1	83.8	79.4	75.1	70.8	66.6	62.4	58.4	54.4
72.5°	110.5	105.2	100.0	94.8	89.5	84.3	78.9	73.8	68.7	63.7	59.0
70°	124.9	118.8	112.7	106.3	99.9	93.7	87.5	81.3	75.3	69.4	63.6
67.5°	140.0	132.8	125.5	118.2	110.9	103.4	96.1	89.1	82.0	75.2	68.5
65°	155.9	147.4	138.9	130.3	121.9	113.6	105.1	96.8	88.9	81.0	73.5
62.5°	171.7	162.3	152.7	143.0	133.3	123.7	114.3	104.9	95.8	87.1	78.4
60°	187.3	176.9	166.4	155.7	144.9	134.1	123.5	113.1	102.8	93.0	83.5
57.5°	202.8	191.6	179.9	168.3	156.4	144.6	132.8	121.3	110.1	99.1	88.6
55°	218.8	206.2	193.5	180.7	168.0	155.0	142.2	129.4	117.2	105.1	93.6
52.5°	234.4	220.8	206.9	193.1	179.1	165.3	151.4	137.8	124.2	111.2	98.6
50°	250.3	235.2	220.4	205.3	190.3	175.3	160.5	145.8	131.2	117.2	103.6
47.5°	265.5	249.7	233.3	217.5	201.3	185.2	169.5	153.7	138.3	123.1	108.5
45°	280.6	263.6	246.4	229.0	212.0	195.0	178.2	161.6	145.0	128.8	113.3
42.5°	294.9	277.1	259.1	240.6	222.5	204.4	186.7	169.3	151.5	134.5	118.0
40°	309.8	290.3	271.1	251.8	232.4	213.7	195.1	176.5	158.0	140.0	122.5
37.5°	324.2	303.3	282.9	262.7	242.4	222.7	203.0	183.6	164.4	145.1	126.8
35°	337.3	316.6	293.7	272.9	252.1	231.0	210.5	190.4	170.4	150.1	131.0
32.5°	350.0	328.0	305.4	283.1	261.2	239.3	217.9	196.9	176.0	155.0	135.0
30°	362.1	339.2	316.6	292.1	269.7	247.2	224.7	202.8	181.2	159.6	138.8
27.5°	373.6	349.8	326.1	301.4	277.9	254.5	231.1	208.3	186.1	164.1	142.3
25°	383.6	359.6	335.0	310.3	285.5	261.1	237.1	213.6	190.8	168.3	145.5
22.5°	393.4	368.8	343.4	318.4	291.9	267.3	242.8	218.4	195.1	171.9	148.4
20°	402.6	377.0	351.0	325.0	298.2	272.9	248.0	222.8	198.9	175.1	151.2
17.5°	410.3	384.1	357.7	331.0	304.1	278.2	252.5	226.7	202.2	178.1	153.7
15°	416.6	390.6	363.4	336.5	309.3	282.8	256.2	230.2	205.1	180.6	155.8
12.5°	422.6	396.2	368.5	341.1	313.6	286.5	259.4	233.2	207.5	182.8	157.7
10°	428.1	400.6	372.7	345.0	317.2	289.3	262.0	235.6	209.5	184.5	159.3
7.5°	432.2	403.8	376.0	348.0	319.8	291.5	264.2	237.5	211.2	185.9	160.6
5°	434.7	405.9	378.3	350.1	321.6	293.1	265.7	238.9	212.3	186.9	161.5
2.5°	436.1	407.1	379.8	351.4	322.7	294.0	266.7	239.7	213.0	187.5	162.0
0°	436.6	407.3	380.2	351.8	323.0	294.3	267.0	240.0	213.2	187.7	162.2
-2.5°	436.0	406.9	379.6	351.3	322.6	294.0	266.7	239.7	213.0	187.5	162.0
-5°	434.4	405.6	378.1	349.9	321.4	293.1	265.7	238.9	212.3	186.9	161.4
-7.5°	431.8	403.4	375.6	347.7	319.4	291.6	264.1	237.5	211.1	185.9	160.5
-10°	427.6	400.1	372.1	344.6	316.7	289.4	261.9	235.6	209.5	184.5	159.2
-12.5°	422.2	395.8	367.9	340.7	313.2	286.5	259.3	233.2	207.5	182.7	157.5
-15°	416.1	390.2	362.7	336.0	308.9	282.9	256.2	230.2	205.0	180.5	155.6
-17.5°	409.2	383.5	357.0	330.4	304.0	278.2	252.5	226.7	202.1	177.9	153.4
-20°	401.5	375.8	350.3	324.2	298.3	273.0	248.0	222.7	198.8	174.9	150.8

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	392.6	367.5	342.6	317.3	292.2	267.2	242.8	218.3	194.9	171.6	148.0
-25°	382.7	358.5	334.1	309.7	285.6	261.0	237.2	213.5	190.6	167.9	144.9
-27.5°	372.0	348.6	324.9	301.4	278.0	254.5	231.1	208.3	185.9	163.7	141.6
-30°	361.0	338.1	315.3	292.5	269.7	247.3	224.6	202.7	180.9	159.2	138.1
-32.5°	349.2	327.0	305.0	283.2	261.1	239.4	217.7	196.6	175.6	154.4	134.4
-35°	336.7	315.6	294.3	273.0	252.2	231.1	210.4	190.1	169.9	149.4	130.4
-37.5°	323.5	303.5	283.0	262.5	242.6	222.5	202.8	183.2	163.8	144.2	126.1
-40°	310.1	290.5	271.1	251.9	232.5	213.6	194.8	176.1	157.4	139.0	121.7
-42.5°	295.5	277.1	258.9	240.7	222.3	204.3	186.4	168.6	150.6	133.5	117.1
-45°	280.4	263.4	246.4	229.0	211.8	194.6	177.7	160.9	143.7	127.9	112.5
-47.5°	265.3	249.5	233.4	217.2	201.1	184.7	168.7	152.7	137.0	122.0	107.6
-50°	250.1	235.2	220.2	205.2	190.0	174.7	159.6	144.3	130.1	116.1	102.7
-52.5°	234.4	220.7	206.9	192.8	178.6	164.5	149.9	136.3	123.0	110.1	97.8
-55°	218.7	206.1	193.3	180.3	167.2	153.9	140.6	128.1	115.9	104.1	92.7
-57.5°	203.0	191.4	179.6	167.6	155.6	143.2	131.4	119.8	108.8	98.0	87.6
-60°	187.1	176.5	165.8	154.9	143.7	132.9	122.1	111.6	101.6	92.0	82.5
-62.5°	171.2	161.8	151.9	142.1	132.4	122.6	113.0	103.5	94.6	85.9	77.4
-65°	155.5	146.9	138.4	129.7	121.0	112.4	103.9	95.5	87.6	79.9	72.5
-67.5°	140.0	132.6	125.0	117.5	110.0	102.4	95.0	87.7	80.7	74.0	67.5
-70°	124.9	118.5	112.1	105.6	99.1	92.7	86.3	79.9	73.9	68.2	62.7
-72.5°	110.4	104.9	99.6	94.1	88.7	83.2	77.8	72.5	67.4	62.6	58.0
-75°	96.4	92.0	87.6	83.1	78.5	74.1	69.7	65.3	61.2	57.3	53.5
-77.5°	83.1	79.5	76.1	72.5	69.0	65.5	62.0	58.5	55.2	52.1	49.1
-80°	70.7	68.1	65.4	62.7	60.0	57.3	54.7	52.0	49.4	47.1	44.8
-82.5°	59.1	57.3	55.4	53.5	51.6	49.7	47.8	45.8	44.0	42.4	40.8
-85°	48.7	47.5	46.3	45.1	43.8	42.6	41.4	40.1	38.9	37.9	36.9
-87.5°	39.3	38.7	38.1	37.4	36.8	36.1	35.4	34.8	34.1	33.7	33.2
-90°	31.0	31.0	30.9	30.8	30.8	30.7	30.6	30.6	30.5	30.5	30.4

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	29.8	29.9	29.9	30.0	30.0	30.1	30.1
87.5°	33.4	32.8	32.3	31.7	31.2	30.6	30.1
85°	36.5	35.4	34.3	33.3	32.2	31.1	30.1
82.5°	39.9	38.2	36.5	34.8	33.2	31.6	30.1
80°	43.3	41.0	38.7	36.4	34.2	32.1	30.1
77.5°	46.8	43.8	40.9	38.0	35.2	32.6	30.1
75°	50.5	46.7	43.1	39.7	36.3	33.1	30.1
72.5°	54.4	49.8	45.4	41.3	37.4	33.6	30.1
70°	58.2	52.9	47.8	43.0	38.4	34.1	30.1
67.5°	62.1	56.1	50.2	44.6	39.5	34.6	30.1
65°	66.1	59.2	52.6	46.3	40.5	35.0	30.1
62.5°	70.2	62.3	55.0	48.0	41.5	35.5	30.1
60°	74.3	65.5	57.4	49.7	42.6	36.0	30.1
57.5°	78.4	68.8	59.8	51.3	43.6	36.5	30.1
55°	82.5	72.0	62.1	53.0	44.5	37.0	30.1
52.5°	86.6	75.2	64.4	54.7	45.5	37.4	30.1
50°	90.6	78.3	66.8	56.2	46.5	37.8	30.1
47.5°	94.6	81.4	69.1	57.8	47.4	38.3	30.1
45°	98.5	84.4	71.3	59.3	48.4	38.7	30.1
42.5°	102.2	87.4	73.5	60.7	49.2	39.0	30.1
40°	105.9	90.2	75.6	62.1	50.1	39.4	30.1
37.5°	109.4	93.0	77.6	63.4	50.9	39.8	30.1
35°	112.8	95.6	79.5	64.7	51.7	40.1	30.1
32.5°	116.0	98.1	81.3	66.0	52.4	40.4	30.1
30°	119.0	100.4	83.1	67.2	53.1	40.7	30.1
27.5°	121.8	102.5	84.7	68.3	53.8	41.0	30.1
25°	124.5	104.6	86.1	69.4	54.4	41.2	30.1
22.5°	126.9	106.5	87.6	70.3	54.9	41.5	30.1
20°	129.1	108.2	88.8	71.1	55.4	41.7	30.1
17.5°	131.0	109.7	89.9	71.9	55.8	41.9	30.1
15°	132.7	111.0	90.9	72.5	56.2	42.0	30.1
12.5°	134.2	112.1	91.7	73.1	56.5	42.2	30.1
10°	135.3	113.0	92.4	73.5	56.8	42.3	30.1
7.5°	136.2	113.7	92.9	73.9	57.0	42.3	30.1
5°	136.9	114.2	93.3	74.1	57.1	42.4	30.1
2.5°	137.2	114.5	93.5	74.3	57.2	42.4	30.1
0°	137.3	114.6	93.6	74.3	57.2	42.5	30.1
-2.5°	137.2	114.5	93.5	74.2	57.2	42.4	30.1
-5°	136.8	114.2	93.3	74.1	57.1	42.4	30.1
-7.5°	136.1	113.6	92.9	73.8	56.9	42.3	30.1
-10°	135.1	112.9	92.3	73.4	56.7	42.2	30.1
-12.5°	133.9	111.9	91.6	73.0	56.4	42.1	30.1
-15°	132.4	110.7	90.8	72.4	56.1	42.0	30.1
-17.5°	130.7	109.4	89.8	71.7	55.7	41.8	30.1
-20°	128.7	107.9	88.6	71.0	55.3	41.6	30.1

REPORT NUMBER: P1209896 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-LO-5000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	126.5	106.2	87.3	70.1	54.8	41.4	30.1
-25°	124.1	104.3	85.9	69.2	54.2	41.2	30.1
-27.5°	121.4	102.2	84.4	68.1	53.6	40.9	30.1
-30°	118.4	100.0	82.7	67.0	53.0	40.6	30.1
-32.5°	115.4	97.7	81.0	65.8	52.3	40.3	30.1
-35°	112.2	95.2	79.1	64.5	51.5	40.0	30.1
-37.5°	108.8	92.5	77.2	63.2	50.7	39.7	30.1
-40°	105.2	89.7	75.2	61.8	49.9	39.3	30.1
-42.5°	101.5	86.8	73.1	60.4	49.1	39.0	30.1
-45°	97.8	83.8	70.9	59.0	48.2	38.6	30.1
-47.5°	93.9	80.8	68.7	57.5	47.2	38.2	30.1
-50°	89.9	77.7	66.3	55.9	46.3	37.8	30.1
-52.5°	85.8	74.6	63.9	54.3	45.3	37.3	30.1
-55°	81.7	71.4	61.6	52.7	44.3	36.9	30.1
-57.5°	77.6	68.2	59.3	51.0	43.3	36.4	30.1
-60°	73.5	64.9	56.9	49.3	42.4	35.9	30.1
-62.5°	69.4	61.7	54.5	47.7	41.3	35.4	30.1
-65°	65.3	58.5	52.1	45.9	40.3	34.9	30.1
-67.5°	61.3	55.4	49.7	44.2	39.2	34.5	30.1
-70°	57.4	52.3	47.3	42.6	38.2	34.0	30.1
-72.5°	53.6	49.2	44.9	41.0	37.2	33.5	30.1
-75°	49.7	46.1	42.7	39.3	36.1	33.0	30.1
-77.5°	46.1	43.2	40.4	37.7	35.0	32.5	30.1
-80°	42.6	40.4	38.2	36.1	34.0	32.1	30.1
-82.5°	39.1	37.6	36.0	34.5	33.0	31.6	30.1
-85°	35.9	34.9	33.9	33.0	32.0	31.1	30.1
-87.5°	32.8	32.4	31.9	31.5	31.0	30.6	30.1
-90°	30.4	30.3	30.3	30.2	30.2	30.1	30.1

(END OF REPORT)