

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: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: BKHDR150CLD2D-HI-3500K

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1209904 (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-3500K
Description: BULK HEAD 3500LM SEL 5CCT UNV D2D BRONZE at 3500K CCT

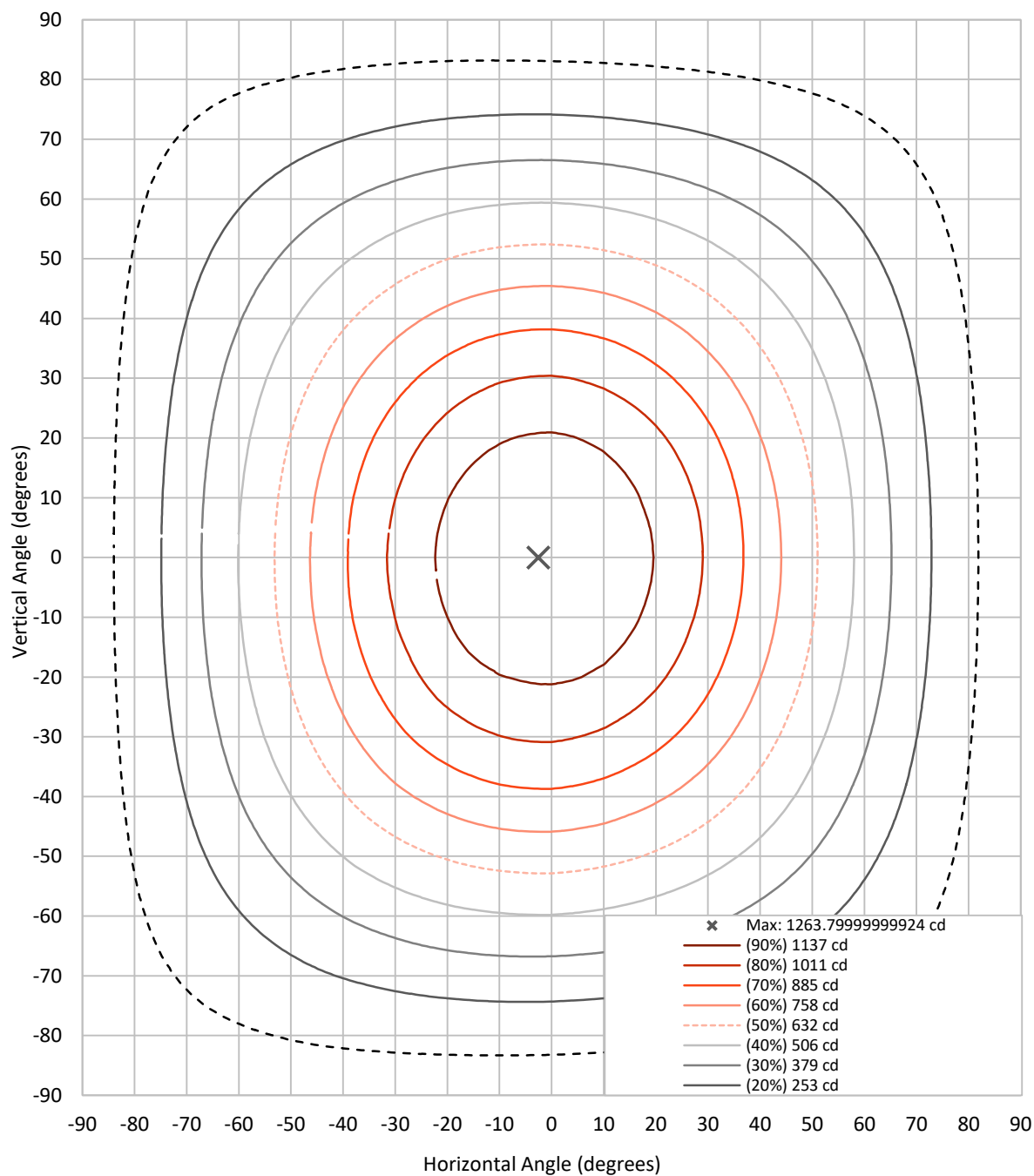
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	2087.9 (1 lamp)	NEMA Type:	7H x 7V
Luminaire Lumens:	3423.6 lumens	Max Intensity:	1263.8 candela
Efficiency:	164.0%	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	110.4 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:	2263.5 lumens	Field Lumens:	3354.5 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		

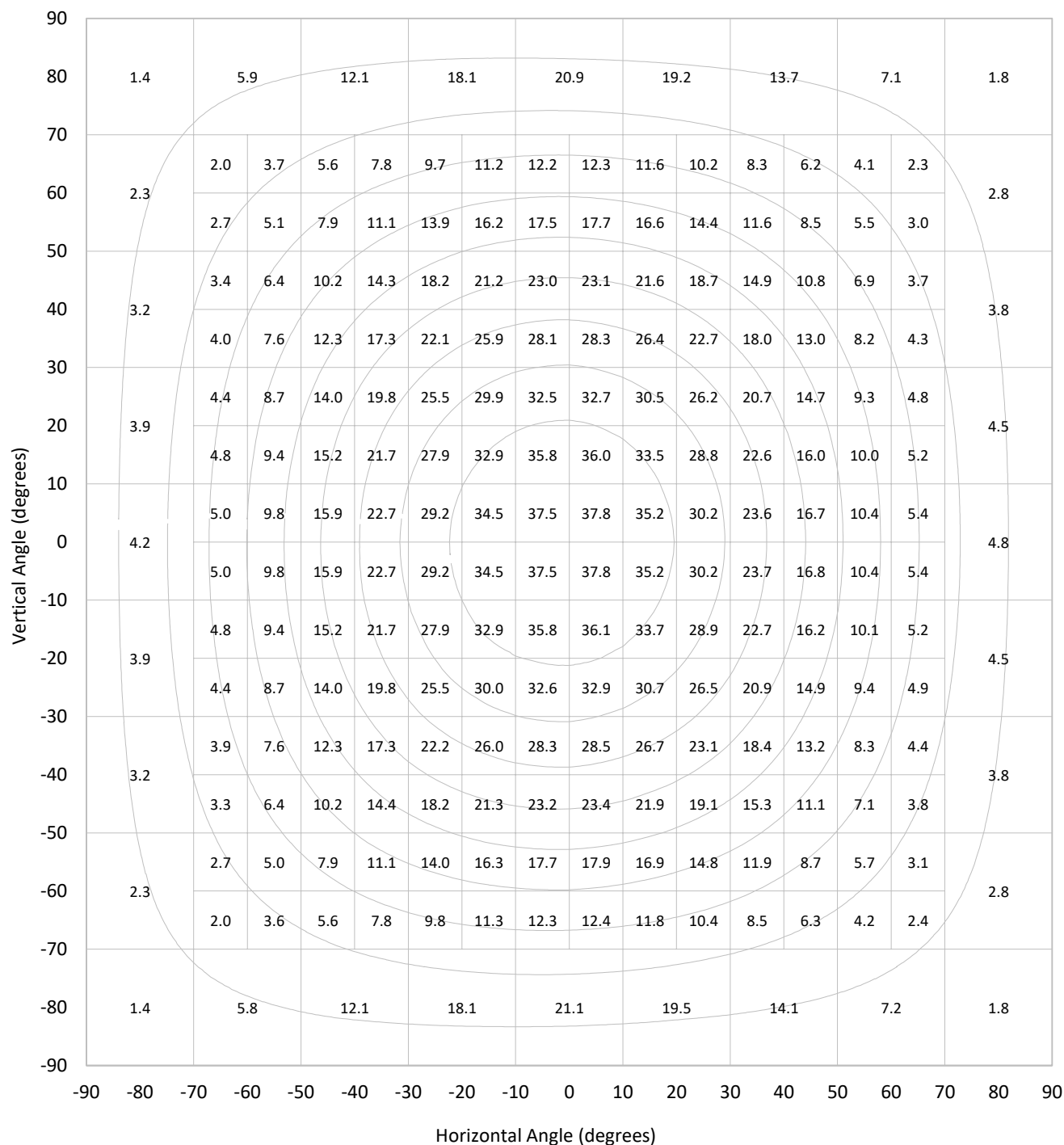
REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

Iso-Candela Plot



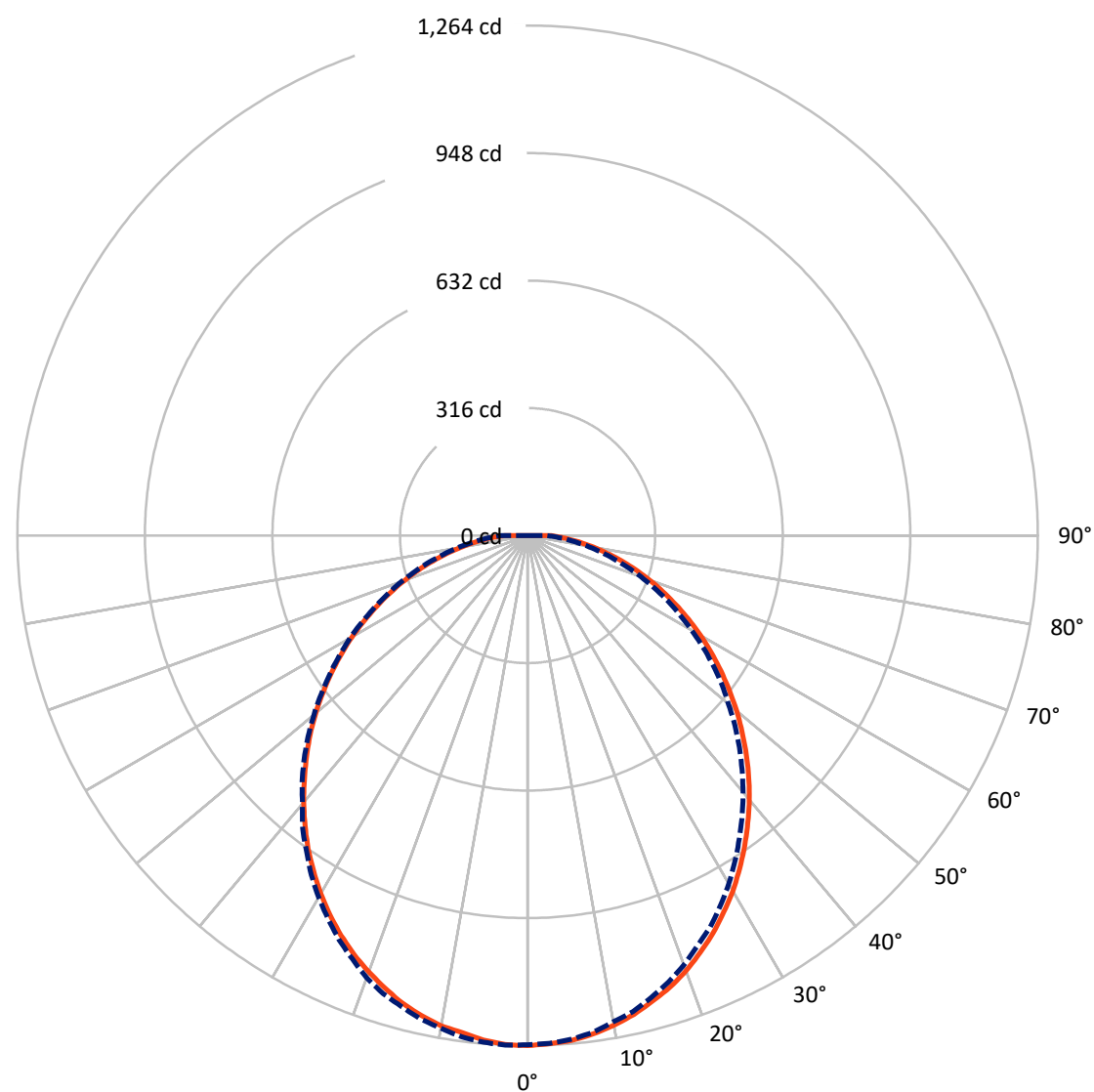
REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

Lumen Table



REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)
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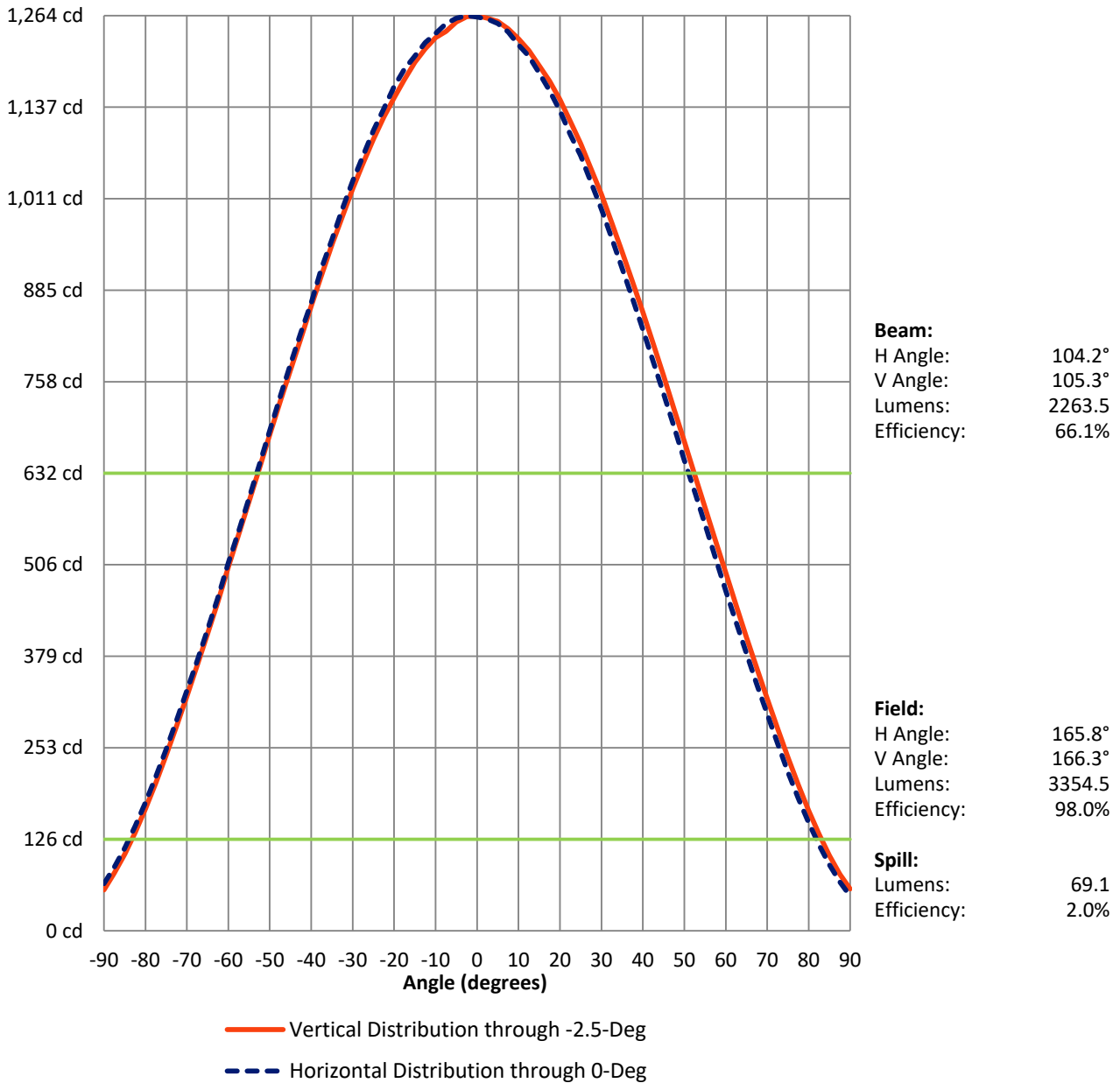
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

Luminous Intensity Plot



REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.3
87.5°	65.1	66.0	67.0	67.9	68.8	69.7	70.6	71.5	72.4	73.2	73.9
85°	65.1	67.0	68.9	70.7	72.6	74.4	76.4	78.3	80.2	82.1	83.7
82.5°	65.1	67.9	70.7	73.5	76.5	79.4	82.4	85.4	88.4	91.4	94.1
80°	65.1	68.9	72.6	76.5	80.5	84.5	88.6	92.6	96.9	101.0	105.1
77.5°	65.1	69.8	74.5	79.5	84.5	89.6	94.9	100.3	105.7	111.3	116.7
75°	65.1	70.7	76.5	82.4	88.6	94.9	101.4	108.2	115.0	122.0	128.8
72.5°	65.1	71.6	78.4	85.4	92.6	100.3	108.2	116.3	124.5	132.9	141.2
70°	65.1	72.5	80.3	88.4	96.9	105.8	115.0	124.6	134.3	144.1	153.9
67.5°	65.1	73.4	82.2	91.4	101.1	111.4	122.1	133.0	144.1	155.5	167.2
65°	65.1	74.3	84.1	94.4	105.4	117.0	129.1	141.5	154.2	167.3	180.5
62.5°	65.1	75.2	86.0	97.5	109.7	122.7	136.1	149.9	164.4	179.1	194.0
60°	65.1	76.1	87.9	100.4	113.9	128.4	143.2	158.6	174.6	190.9	207.6
57.5°	65.1	77.0	89.7	103.4	118.3	134.0	150.1	167.3	184.9	202.9	221.2
55°	65.1	77.8	91.4	106.4	122.5	139.4	157.2	175.8	195.1	214.7	234.8
52.5°	65.1	78.6	93.1	109.3	126.7	144.9	164.2	184.4	205.1	226.5	248.2
50°	65.1	79.4	94.9	112.1	130.8	150.2	171.1	192.8	215.1	238.1	261.4
47.5°	65.1	80.2	96.6	114.8	134.7	155.6	177.8	201.0	225.0	249.5	274.5
45°	65.1	80.9	98.3	117.6	138.5	160.8	184.4	209.0	234.5	260.6	287.3
42.5°	65.1	81.6	99.9	120.3	142.3	165.9	190.8	216.9	243.8	271.5	299.6
40°	65.1	82.3	101.4	122.8	145.9	170.7	197.0	224.4	252.8	282.1	311.6
37.5°	65.1	82.9	102.8	125.3	149.3	175.4	202.9	231.7	261.5	292.1	323.3
35°	65.1	83.5	104.2	127.6	152.6	179.9	208.6	238.7	269.8	301.7	334.4
32.5°	65.1	84.1	105.5	129.8	155.9	184.2	214.0	245.3	277.9	311.0	344.9
30°	65.1	84.7	106.8	131.8	158.9	188.2	219.1	251.6	285.3	319.7	354.7
27.5°	65.1	85.2	107.9	133.7	161.7	192.0	223.9	257.4	292.2	328.0	363.9
25°	65.1	85.6	109.0	135.5	164.2	195.4	228.3	262.8	298.6	335.5	372.5
22.5°	65.1	86.1	109.9	137.1	166.6	198.6	232.3	267.8	304.6	342.4	380.5
20°	65.1	86.4	110.8	138.5	168.8	201.4	236.0	272.5	310.0	348.6	387.6
17.5°	65.1	86.8	111.6	139.8	170.7	204.0	239.3	276.6	314.9	354.1	393.9
15°	65.1	87.1	112.2	141.0	172.3	206.2	242.3	280.3	319.2	358.9	399.4
12.5°	65.1	87.3	112.8	142.0	173.8	208.2	244.7	283.3	322.9	363.0	404.4
10°	65.1	87.5	113.3	142.8	174.9	209.8	246.8	285.8	325.9	366.5	408.5
7.5°	65.1	87.7	113.6	143.4	175.8	211.0	248.4	287.8	328.3	369.2	411.8
5°	65.1	87.8	113.9	143.8	176.5	212.0	249.5	289.2	330.1	371.2	414.1
2.5°	65.1	87.9	114.0	144.1	176.9	212.5	250.2	290.0	331.2	372.4	415.6
0°	65.1	87.9	114.1	144.2	177.0	212.7	250.5	290.3	331.6	372.9	416.1
-2.5°	65.1	87.9	114.1	144.1	176.9	212.6	250.4	290.2	331.5	372.8	416.0
-5°	65.1	87.8	113.9	143.9	176.6	212.1	249.8	289.6	330.7	371.9	415.1
-7.5°	65.1	87.7	113.7	143.5	176.0	211.3	248.8	288.3	329.2	370.2	413.2
-10°	65.1	87.5	113.3	142.9	175.1	210.1	247.4	286.6	327.1	367.7	410.3
-12.5°	65.1	87.3	112.9	142.1	174.0	208.6	245.5	284.3	324.4	364.6	406.5
-15°	65.1	87.1	112.3	141.1	172.6	206.7	243.1	281.4	321.0	360.8	401.8
-17.5°	65.1	86.8	111.6	140.0	171.0	204.5	240.3	277.9	316.9	356.3	396.6
-20°	65.1	86.5	110.9	138.7	169.1	202.0	237.1	273.9	312.3	351.1	390.7

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	65.1	86.1	110.0	137.2	167.0	199.2	233.5	269.4	307.0	345.3	384.0
-25°	65.1	85.7	109.1	135.7	164.6	196.1	229.5	264.5	301.0	338.7	376.2
-27.5°	65.1	85.2	108.0	133.9	162.1	192.6	225.1	259.3	294.7	331.5	367.6
-30°	65.1	84.7	106.9	132.0	159.3	188.9	220.3	253.6	287.9	323.6	358.8
-32.5°	65.1	84.2	105.7	130.0	156.3	184.9	215.3	247.5	280.5	315.0	349.3
-35°	65.1	83.6	104.3	127.8	153.2	180.6	209.9	240.8	272.6	305.6	339.3
-37.5°	65.1	83.0	102.9	125.5	149.8	176.1	204.2	233.8	264.4	295.8	328.5
-40°	65.1	82.3	101.5	123.1	146.4	171.5	198.2	226.4	255.9	285.7	317.1
-42.5°	65.1	81.7	100.0	120.5	142.8	166.6	191.9	218.8	246.9	275.2	304.5
-45°	65.1	81.0	98.4	117.9	139.0	161.6	185.6	210.9	237.4	264.4	291.9
-47.5°	65.1	80.2	96.8	115.1	135.2	156.4	178.9	202.7	227.6	253.4	279.0
-50°	65.1	79.5	95.0	112.3	131.2	151.0	172.2	194.3	217.6	241.8	266.0
-52.5°	65.1	78.7	93.3	109.5	127.1	145.7	165.3	185.9	207.4	229.8	252.8
-55°	65.1	77.9	91.5	106.7	123.0	140.1	158.3	177.3	197.0	217.6	239.0
-57.5°	65.1	77.0	89.8	103.7	118.7	134.6	151.2	168.7	186.7	205.5	224.8
-60°	65.1	76.1	88.0	100.7	114.4	129.0	144.1	160.0	176.4	193.1	210.8
-62.5°	65.1	75.3	86.1	97.7	110.1	123.3	136.9	151.3	166.0	181.2	196.6
-65°	65.1	74.3	84.2	94.6	105.8	117.6	129.9	142.6	155.8	169.2	182.9
-67.5°	65.1	73.4	82.3	91.6	101.5	112.0	122.8	134.0	145.5	157.4	169.4
-70°	65.1	72.6	80.4	88.6	97.3	106.3	115.8	125.5	135.4	145.7	156.1
-72.5°	65.1	71.7	78.5	85.6	92.9	100.8	108.9	117.2	125.6	134.2	142.9
-75°	65.1	70.8	76.6	82.6	88.8	95.3	102.0	109.0	116.0	123.1	130.2
-77.5°	65.1	69.8	74.6	79.6	84.7	90.0	95.4	101.0	106.7	112.5	118.2
-80°	65.1	68.9	72.7	76.6	80.7	84.7	88.9	93.2	97.6	102.0	106.3
-82.5°	65.1	68.0	70.8	73.7	76.7	79.7	82.6	85.7	88.9	92.0	95.1
-85°	65.1	67.0	68.9	70.8	72.7	74.7	76.7	78.6	80.6	82.5	84.4
-87.5°	65.1	66.1	67.1	68.0	69.0	69.9	70.9	71.8	72.7	73.6	74.5
-90°	65.1	65.1	65.1	65.1	65.1	65.0	65.0	65.0	65.0	65.0	64.7

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	65.3	65.2	65.2	65.1	65.1	65.0	65.0	64.9	64.5	64.1	63.7
87.5°	74.5	75.1	75.8	76.3	76.9	77.4	77.9	78.4	78.8	79.2	79.5
85°	85.4	87.0	88.5	90.0	91.5	93.0	94.4	95.8	97.1	98.3	99.4
82.5°	96.9	99.6	102.2	104.9	107.5	110.1	112.5	114.9	117.3	119.5	121.6
80°	109.1	113.1	117.1	120.9	124.7	128.5	132.2	135.7	139.3	142.6	145.8
77.5°	122.0	127.4	132.7	137.9	143.1	148.2	153.2	158.0	162.7	167.3	171.6
75°	135.5	142.3	148.9	155.7	162.4	168.9	175.3	181.5	187.5	193.5	199.2
72.5°	149.4	157.8	166.1	174.3	182.5	190.5	198.4	206.1	213.7	221.0	228.0
70°	163.9	173.8	183.7	193.6	203.3	213.0	222.5	231.6	241.1	250.2	258.7
67.5°	178.7	190.2	201.8	213.4	224.8	236.1	247.7	258.9	269.6	279.7	289.5
65°	193.7	207.0	220.3	233.5	247.0	260.3	273.2	285.8	298.1	309.6	320.9
62.5°	209.0	224.0	239.1	254.3	269.4	284.2	298.7	312.8	326.7	340.0	352.6
60°	224.3	241.1	258.1	275.0	291.7	308.1	324.4	340.2	355.6	370.3	384.5
57.5°	239.7	258.3	277.0	295.5	313.9	332.2	350.1	367.5	384.5	401.1	416.8
55°	255.0	275.3	295.6	316.0	336.2	356.2	375.6	394.9	413.6	431.9	449.4
52.5°	270.1	292.2	314.3	336.4	358.3	379.8	401.3	422.2	442.7	462.7	482.0
50°	285.1	308.8	332.7	356.5	380.0	403.5	426.5	449.2	471.7	493.3	513.9
47.5°	299.7	325.2	350.8	376.2	401.6	426.7	451.5	476.4	500.5	523.4	545.4
45°	314.1	341.2	368.5	395.6	422.7	449.5	476.6	503.2	528.4	552.9	576.7
42.5°	328.2	356.9	385.7	414.5	443.1	472.1	501.3	528.9	555.8	582.0	607.1
40°	341.7	371.9	402.4	432.7	463.2	494.8	524.7	553.9	582.5	610.2	637.2
37.5°	354.7	386.5	418.5	450.3	483.4	516.0	547.4	578.3	608.3	637.8	666.6
35°	367.2	400.4	433.8	467.4	503.1	536.3	569.3	601.6	633.5	664.7	694.9
32.5°	379.0	413.8	448.6	484.8	520.7	555.5	590.1	624.1	657.6	690.3	722.2
30°	390.2	426.3	462.5	501.2	537.7	574.1	609.8	645.6	680.6	714.9	748.1
27.5°	400.6	438.2	476.2	515.9	553.4	591.3	628.8	665.9	702.3	737.9	772.4
25°	410.6	449.3	489.4	529.4	568.3	607.2	646.2	684.7	722.7	759.6	795.5
22.5°	419.7	459.3	501.5	541.7	582.2	622.2	662.4	702.3	741.4	779.4	816.7
20°	427.9	468.2	512.2	552.7	594.3	636.1	677.3	718.4	758.7	797.9	836.4
17.5°	435.3	477.2	521.4	562.7	605.2	647.8	690.6	732.8	773.9	814.1	853.7
15°	441.9	485.0	529.4	572.2	614.9	658.6	702.4	745.6	787.3	828.7	868.8
12.5°	447.6	491.8	536.1	580.2	623.8	668.2	712.6	757.0	799.0	841.2	882.0
10°	452.2	497.4	541.6	586.3	631.3	676.1	721.1	766.5	808.5	851.8	893.3
7.5°	455.7	501.9	546.0	591.1	636.9	682.2	727.9	773.3	815.9	859.1	902.4
5°	458.2	505.1	549.2	594.6	640.6	686.8	732.9	778.2	821.4	863.9	909.2
2.5°	459.7	507.2	551.1	596.7	642.9	689.6	736.0	781.2	824.8	866.5	913.6
0°	460.3	508.0	551.8	597.5	643.8	690.8	737.3	782.5	826.1	867.2	915.4
-2.5°	460.3	507.6	551.7	597.3	643.6	690.4	737.0	782.0	825.8	867.2	914.3
-5°	459.3	506.1	550.3	595.8	642.0	688.4	734.9	779.7	823.3	865.4	910.7
-7.5°	457.2	503.3	547.7	592.9	638.9	684.6	731.1	775.6	818.8	861.5	904.8
-10°	454.2	499.3	543.8	588.6	634.0	679.3	725.1	769.4	812.0	855.3	896.4
-12.5°	450.0	494.1	538.8	582.9	627.4	672.2	717.0	760.9	803.0	845.7	885.8
-15°	445.0	487.9	532.4	575.5	619.5	663.3	707.3	750.5	792.3	834.4	873.3
-17.5°	439.0	481.1	524.7	567.0	610.2	653.2	696.5	739.8	779.6	821.2	859.9
-20°	432.1	473.4	516.0	557.5	599.5	641.7	684.0	726.6	764.9	804.5	844.1

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	424.4	464.5	505.9	546.9	587.4	629.0	669.9	710.0	749.4	787.5	825.7
-25°	415.5	454.5	494.3	534.6	574.3	614.8	654.2	693.5	733.7	768.2	804.2
-27.5°	405.4	444.3	482.8	521.5	560.4	598.7	637.0	675.3	712.0	748.7	783.1
-30°	395.1	433.1	470.3	507.4	544.9	581.3	619.5	655.5	691.2	726.7	759.9
-32.5°	384.4	421.0	455.8	491.7	527.5	564.2	599.4	634.5	668.9	702.1	735.6
-35°	372.3	406.9	442.2	477.5	510.6	545.1	578.6	612.7	645.1	677.2	708.0
-37.5°	360.1	393.1	427.4	459.0	491.8	524.6	557.6	588.9	620.9	651.0	680.4
-40°	347.6	378.6	410.5	442.2	473.6	503.7	534.7	565.2	594.8	624.0	651.9
-42.5°	334.6	363.4	393.5	424.3	452.5	482.7	511.3	540.3	568.2	595.8	622.2
-45°	320.8	348.3	375.8	403.8	432.6	459.1	487.4	514.1	541.2	566.6	591.7
-47.5°	305.7	332.7	358.1	384.4	410.7	436.8	461.8	487.9	512.5	537.4	560.4
-50°	290.4	316.1	340.3	364.2	388.8	413.2	436.9	459.8	483.9	506.4	528.6
-52.5°	275.4	298.3	322.0	344.3	366.5	389.0	411.2	432.8	453.5	475.0	495.5
-55°	260.3	281.0	302.3	324.0	344.4	364.8	385.1	405.1	424.7	442.8	460.8
-57.5°	244.6	263.9	283.0	302.5	322.1	340.7	359.1	377.2	394.9	412.2	428.0
-60°	228.5	246.5	264.0	281.4	298.8	316.3	333.0	349.4	365.5	380.7	394.8
-62.5°	212.7	228.6	244.8	260.6	276.1	291.5	306.7	321.5	335.8	349.5	362.3
-65°	196.8	211.2	225.2	239.6	253.6	267.2	280.7	293.9	306.6	318.2	329.5
-67.5°	181.5	193.6	206.4	218.6	230.9	243.1	255.0	266.4	277.7	288.0	297.6
-70°	166.4	177.0	187.5	198.2	209.0	219.2	229.4	239.5	249.0	257.7	265.9
-72.5°	151.8	160.7	169.6	178.4	187.2	196.0	204.9	213.3	220.9	228.0	234.8
-75°	137.4	144.7	152.0	159.3	166.6	173.7	180.6	187.6	193.8	199.6	205.1
-77.5°	123.8	129.5	135.2	140.8	146.6	152.1	157.8	163.3	168.0	172.3	176.3
-80°	110.7	115.0	119.4	123.7	127.9	132.0	136.0	139.9	143.3	146.5	149.4
-82.5°	98.1	101.1	104.1	107.1	110.1	113.0	115.8	118.7	120.9	123.0	124.8
-85°	86.3	88.2	90.1	91.8	93.6	95.3	97.0	98.7	99.8	100.8	101.8
-87.5°	75.4	76.2	77.0	77.9	78.7	79.4	80.2	80.9	81.1	81.3	81.5
-90°	64.5	64.2	64.0	63.7	63.5	63.2	63.0	62.7	62.4	62.2	61.9

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	63.3	62.8	62.4	62.0	61.6	61.2	60.8	60.4	59.9	59.5	59.1
87.5°	79.9	80.2	80.4	80.7	80.9	81.0	80.8	80.6	80.3	80.0	79.7
85°	100.5	101.6	102.5	103.4	104.2	104.9	105.1	105.2	105.3	105.2	105.0
82.5°	123.6	125.5	127.3	128.9	130.4	131.7	132.5	133.2	133.7	134.0	134.1
80°	148.9	151.7	154.4	156.8	159.0	161.1	162.6	163.8	164.8	165.5	166.0
77.5°	175.8	179.7	183.4	186.8	190.2	193.3	195.6	197.6	199.1	200.3	201.1
75°	204.7	209.9	214.7	219.3	223.5	227.3	230.3	232.9	235.0	236.8	238.1
72.5°	234.9	241.5	247.6	253.1	258.1	262.6	266.4	269.7	272.5	274.8	276.8
70°	266.6	274.0	280.9	287.6	293.7	299.2	304.2	308.5	312.1	315.1	317.5
67.5°	298.7	307.5	315.8	323.7	330.8	337.2	343.0	348.0	352.3	355.8	358.6
65°	331.6	341.6	351.1	360.0	368.2	375.7	382.4	388.1	393.0	397.2	400.5
62.5°	364.6	376.0	386.9	396.9	406.2	414.9	422.9	429.7	435.3	440.0	443.7
60°	398.1	410.9	423.3	434.8	445.2	454.8	463.4	471.4	478.2	483.8	488.2
57.5°	432.1	446.4	459.9	472.9	485.1	496.4	506.7	515.4	522.2	527.8	532.3
55°	466.1	482.2	497.4	511.9	525.1	536.7	547.4	556.6	564.5	571.2	576.7
52.5°	500.1	517.8	534.0	549.3	563.5	576.8	589.1	599.5	607.6	615.2	621.3
50°	533.5	552.4	570.3	587.1	602.7	617.3	630.7	641.8	651.6	660.2	666.7
47.5°	566.8	587.0	606.4	624.8	641.6	657.6	672.3	684.9	694.2	702.9	710.3
45°	599.2	621.2	642.2	662.2	680.7	696.6	711.6	725.4	737.2	746.8	754.8
42.5°	631.4	655.2	677.8	698.4	717.8	736.1	752.5	767.2	779.9	790.0	797.9
40°	663.3	688.3	712.0	734.5	755.5	774.6	792.1	807.3	820.6	831.7	840.6
37.5°	694.3	720.7	745.8	769.5	791.8	811.9	830.3	846.7	862.3	872.7	881.9
35°	724.1	752.0	778.2	803.5	826.9	848.3	868.0	885.0	900.9	913.9	922.5
32.5°	752.8	781.9	809.9	836.4	860.7	883.2	904.3	922.2	937.5	951.4	962.3
30°	779.9	810.8	840.2	867.2	893.1	917.4	938.3	957.9	975.3	990.5	1000.6
27.5°	805.9	838.2	868.4	897.1	924.3	949.1	971.7	992.4	1008.4	1022.3	1034.6
25°	830.4	863.5	895.2	925.4	953.5	978.9	1002.2	1022.4	1040.6	1056.4	1067.5
22.5°	852.7	887.3	920.5	951.4	980.1	1006.3	1030.6	1052.3	1070.2	1086.6	1100.1
20°	873.5	909.2	943.0	975.1	1004.5	1032.0	1057.0	1078.5	1098.2	1114.7	1127.2
17.5°	892.1	928.8	963.6	996.3	1026.9	1055.0	1080.2	1102.9	1122.5	1139.3	1152.2
15°	908.7	946.0	981.8	1015.2	1046.5	1075.4	1101.4	1124.2	1144.7	1161.7	1175.0
12.5°	923.1	960.6	997.3	1031.7	1063.8	1093.0	1119.2	1143.1	1163.7	1181.4	1195.7
10°	935.0	972.8	1010.3	1044.9	1078.1	1107.7	1134.7	1158.9	1179.9	1197.8	1211.5
7.5°	943.9	982.6	1020.5	1055.3	1088.8	1119.6	1146.6	1171.7	1192.5	1210.0	1224.3
5°	949.9	989.9	1028.2	1062.9	1097.1	1129.1	1155.8	1180.4	1201.6	1219.5	1234.1
2.5°	953.4	994.7	1033.2	1068.1	1102.6	1133.5	1162.5	1186.7	1206.3	1224.6	1238.9
0°	954.6	996.7	1035.3	1070.2	1105.1	1135.1	1165.9	1190.0	1208.0	1226.5	1239.2
-2.5°	954.1	995.4	1033.9	1068.9	1103.4	1133.9	1163.1	1187.3	1206.9	1224.6	1238.8
-5°	951.4	991.2	1029.2	1064.9	1098.6	1129.6	1157.3	1182.0	1204.4	1219.5	1234.6
-7.5°	946.3	984.7	1021.0	1057.4	1091.2	1121.8	1149.0	1173.9	1194.5	1212.0	1225.9
-10°	938.1	976.5	1012.2	1046.2	1080.5	1111.2	1137.4	1161.5	1183.0	1201.7	1216.0
-12.5°	926.3	964.9	1001.5	1035.8	1068.8	1097.5	1123.9	1148.9	1167.6	1186.6	1199.2
-15°	913.3	951.0	986.5	1017.8	1050.7	1081.1	1107.8	1131.6	1152.9	1165.7	1178.5
-17.5°	897.9	934.6	970.7	1003.4	1032.9	1063.0	1087.8	1111.0	1131.0	1146.0	1156.8
-20°	880.5	916.2	951.4	983.7	1013.1	1039.7	1067.0	1087.1	1105.3	1119.6	1133.7

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	861.6	896.0	928.7	961.9	991.0	1017.5	1039.7	1061.8	1078.4	1092.4	1103.2
-25°	840.7	873.8	905.7	936.3	966.2	991.9	1013.3	1032.4	1050.0	1063.4	1074.0
-27.5°	816.2	850.1	880.5	909.4	937.2	962.7	983.2	1001.5	1019.6	1033.4	1043.5
-30°	792.2	822.2	853.9	881.6	906.4	928.9	951.0	968.8	984.2	997.0	1008.7
-32.5°	766.5	795.7	822.5	851.4	874.8	896.5	915.4	933.4	948.6	960.9	971.3
-35°	738.5	767.7	794.3	816.6	840.4	861.6	880.3	897.2	910.8	922.8	933.0
-37.5°	708.6	736.0	762.5	785.1	804.6	824.2	841.8	858.2	872.0	884.3	892.8
-40°	678.5	703.9	727.3	750.0	770.3	788.1	803.7	819.1	830.4	840.8	850.1
-42.5°	647.8	670.7	692.5	713.0	732.1	750.1	765.4	779.0	790.6	800.4	808.2
-45°	615.7	636.9	657.0	675.8	693.8	710.1	724.9	738.1	749.2	757.9	764.9
-47.5°	582.0	602.5	620.9	638.5	654.6	669.5	683.4	696.0	706.1	714.4	721.1
-50°	548.5	566.5	584.2	600.7	615.7	629.2	641.3	652.3	661.7	669.5	675.9
-52.5°	513.2	531.2	547.3	562.1	575.9	588.6	600.0	610.0	618.5	625.1	630.5
-55°	478.4	494.6	509.1	523.3	536.3	547.8	558.1	567.1	574.7	580.9	586.0
-57.5°	442.9	457.2	471.5	484.3	495.7	506.2	515.8	524.2	531.2	536.8	541.2
-60°	408.6	421.8	434.1	445.4	455.3	465.3	474.4	481.1	487.0	492.1	496.3
-62.5°	374.4	385.6	396.4	406.6	416.3	425.2	433.3	439.3	443.8	447.6	450.6
-65°	340.3	350.6	360.2	369.2	377.1	384.3	390.7	396.0	400.5	404.4	407.3
-67.5°	306.7	315.2	323.5	331.4	338.7	345.2	350.8	355.4	359.2	362.3	364.5
-70°	273.9	281.5	288.6	295.1	300.9	306.1	310.4	314.1	317.5	320.1	322.1
-72.5°	241.4	247.8	253.8	259.2	264.1	268.6	272.5	275.6	278.2	280.1	281.5
-75°	210.2	215.0	219.5	223.7	227.5	230.9	233.9	236.7	238.9	240.6	241.8
-77.5°	180.2	184.0	187.4	190.6	193.5	196.0	198.1	200.0	201.5	202.7	203.6
-80°	152.3	155.0	157.6	159.9	161.9	163.6	165.0	166.2	167.2	167.9	168.4
-82.5°	126.6	128.2	129.7	131.0	132.2	133.2	134.1	134.8	135.3	135.6	135.8
-85°	102.7	103.6	104.4	105.0	105.6	106.0	106.3	106.5	106.6	106.6	106.5
-87.5°	81.7	81.8	81.9	81.9	81.9	81.8	81.7	81.6	81.4	81.2	80.9
-90°	61.6	61.4	61.1	60.8	60.6	60.3	59.8	59.3	58.8	58.3	57.9

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	58.7	58.2	57.8	57.4	56.9	56.3	55.8	55.2	54.7	54.1	53.6
87.5°	79.2	78.8	78.3	77.8	77.3	76.8	76.3	75.7	75.1	74.4	73.7
85°	104.7	104.4	103.9	103.3	102.7	102.1	101.3	100.5	99.5	98.5	97.3
82.5°	134.1	133.8	133.4	132.9	132.2	131.3	130.3	129.1	127.7	126.2	124.5
80°	166.2	166.2	165.9	165.3	164.5	163.4	162.1	160.6	158.7	156.7	154.4
77.5°	201.6	201.7	201.5	201.0	200.0	198.8	197.2	195.3	193.0	190.4	187.5
75°	239.0	239.4	239.4	238.9	237.8	236.3	234.3	231.9	229.0	225.8	222.1
72.5°	278.3	279.1	279.5	279.2	277.9	276.0	273.6	270.6	267.0	263.1	258.7
70°	319.1	320.1	320.5	320.2	318.8	316.7	314.0	310.7	306.8	302.2	297.1
67.5°	360.7	361.9	362.5	362.3	360.8	358.5	355.6	351.9	347.5	342.2	336.2
65°	402.9	404.4	405.1	404.9	403.4	401.0	397.7	393.6	388.6	382.8	376.0
62.5°	446.6	448.5	449.4	449.3	447.6	444.8	441.1	436.3	430.7	424.1	416.5
60°	491.5	493.7	494.6	494.4	492.6	489.5	485.3	480.0	473.4	465.9	457.8
57.5°	535.8	538.1	539.1	538.9	537.2	534.3	530.2	524.8	518.2	510.3	501.1
55°	580.7	583.3	584.5	584.3	582.4	579.1	574.4	568.3	560.8	552.5	543.0
52.5°	625.7	628.5	629.8	629.7	627.7	624.3	619.2	612.6	604.4	595.0	584.7
50°	671.4	674.5	675.9	675.6	673.5	669.9	664.6	657.8	649.4	639.1	627.3
47.5°	715.8	719.2	720.8	720.6	718.6	715.0	709.6	702.0	692.2	681.0	668.7
45°	760.6	764.5	766.5	766.5	764.2	760.1	754.2	746.6	736.5	724.2	710.6
42.5°	803.8	808.3	810.8	811.0	808.3	803.3	796.4	788.3	778.5	766.0	751.8
40°	847.8	852.3	854.4	854.2	851.9	847.4	840.6	831.4	819.5	805.5	790.3
37.5°	889.2	893.9	896.3	896.2	893.3	887.8	880.1	871.3	860.6	847.1	829.9
35°	929.8	935.0	937.5	937.5	934.6	929.2	921.5	911.6	899.8	883.0	866.8
32.5°	970.2	975.4	977.7	977.2	974.3	968.7	960.5	949.8	936.2	920.5	903.2
30°	1008.0	1013.8	1017.2	1017.8	1014.0	1007.4	998.2	987.0	973.6	956.6	937.8
27.5°	1043.8	1049.9	1052.1	1051.9	1048.7	1042.7	1033.6	1022.2	1006.6	989.6	971.2
25°	1077.8	1083.9	1087.1	1087.1	1083.7	1077.2	1067.5	1054.8	1039.6	1022.2	1001.3
22.5°	1109.7	1114.9	1117.7	1117.8	1114.4	1107.9	1098.4	1085.7	1070.2	1051.0	1030.4
20°	1137.1	1143.6	1147.8	1149.1	1145.2	1137.5	1126.9	1113.9	1097.5	1078.2	1056.1
17.5°	1164.1	1169.5	1173.4	1173.8	1170.0	1162.6	1152.3	1140.1	1122.6	1103.2	1079.0
15°	1185.1	1192.6	1194.6	1194.8	1191.1	1184.3	1173.6	1160.7	1143.8	1124.3	1100.9
12.5°	1204.9	1211.8	1215.7	1216.2	1211.9	1205.1	1194.4	1179.6	1162.4	1141.1	1118.4
10°	1221.8	1227.3	1231.9	1232.9	1227.4	1221.8	1209.9	1195.9	1178.1	1157.6	1131.3
7.5°	1234.9	1242.4	1245.6	1245.7	1240.2	1234.4	1223.5	1208.6	1190.9	1168.6	1142.2
5°	1244.9	1251.6	1255.8	1254.9	1248.6	1244.7	1232.9	1218.3	1199.2	1178.1	1153.3
2.5°	1250.4	1257.2	1260.3	1258.7	1256.0	1247.8	1237.1	1223.0	1205.8	1183.3	1158.5
0°	1252.6	1260.2	1263.8	1261.9	1259.2	1252.9	1241.2	1223.4	1207.7	1184.5	1160.2
-2.5°	1250.6	1258.6	1262.3	1259.0	1255.6	1247.8	1237.2	1221.5	1205.0	1182.2	1157.9
-5°	1245.6	1252.3	1255.0	1255.1	1248.8	1242.2	1230.8	1216.2	1197.8	1176.5	1152.2
-7.5°	1236.8	1242.2	1242.1	1245.5	1242.2	1232.0	1222.2	1207.6	1189.3	1167.8	1143.3
-10°	1224.1	1230.9	1233.4	1233.8	1229.0	1221.4	1210.0	1195.7	1177.8	1156.5	1132.4
-12.5°	1208.1	1214.5	1218.0	1217.3	1212.9	1205.4	1195.4	1180.2	1162.6	1141.8	1118.2
-15°	1189.6	1195.9	1199.3	1200.1	1195.4	1186.4	1174.9	1161.6	1144.5	1124.1	1100.9
-17.5°	1163.7	1171.6	1175.8	1176.2	1171.8	1164.4	1153.5	1142.1	1123.6	1103.4	1080.1
-20°	1140.6	1147.3	1150.4	1149.8	1147.4	1141.0	1129.8	1116.2	1098.7	1078.8	1057.0

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1111.9	1118.9	1123.5	1124.2	1119.6	1111.5	1100.5	1086.4	1070.6	1052.1	1031.8
-25°	1082.6	1089.1	1093.1	1094.1	1088.7	1080.2	1069.1	1055.4	1041.9	1024.8	1003.1
-27.5°	1051.2	1056.5	1059.8	1060.3	1055.5	1048.0	1038.6	1026.4	1009.9	992.6	973.3
-30°	1016.9	1022.1	1024.6	1024.2	1019.7	1012.4	1002.6	991.3	977.2	958.9	939.0
-32.5°	978.4	983.4	986.2	986.2	982.2	975.3	965.5	952.5	938.6	923.3	905.3
-35°	940.2	945.0	947.4	947.5	943.3	936.5	927.2	915.6	902.6	886.4	869.4
-37.5°	898.9	903.3	905.5	905.4	901.5	895.0	886.3	875.9	863.0	846.8	831.3
-40°	856.6	860.8	862.8	862.4	858.6	852.6	844.5	834.6	822.7	809.2	793.7
-42.5°	813.5	816.6	818.0	817.4	814.4	809.3	802.2	792.7	780.3	767.0	753.1
-45°	770.0	773.2	774.4	773.7	770.6	765.6	758.9	750.4	739.4	726.1	712.3
-47.5°	725.9	729.2	730.6	730.2	726.9	721.8	714.9	706.6	696.6	685.0	672.0
-50°	680.7	683.8	685.2	684.8	681.8	677.1	670.7	662.7	653.3	643.1	631.2
-52.5°	634.6	637.3	638.5	638.2	635.5	631.3	625.4	618.2	609.7	599.7	587.8
-55°	589.6	592.0	592.9	592.4	589.7	585.6	580.2	573.4	565.4	556.2	545.6
-57.5°	544.4	546.5	547.3	546.8	544.2	540.4	535.2	528.9	521.7	513.4	503.7
-60°	499.4	501.4	502.3	501.9	499.4	495.8	491.1	485.3	478.5	470.8	462.2
-62.5°	453.0	454.3	454.6	453.8	451.9	449.0	445.0	439.9	434.1	427.5	419.9
-65°	409.2	410.2	410.3	409.4	407.6	405.0	401.4	397.0	391.6	385.5	378.4
-67.5°	366.0	366.7	366.7	365.9	364.2	361.8	358.6	354.7	350.1	344.6	338.4
-70°	323.3	323.9	323.7	322.9	321.3	319.1	316.2	312.8	308.7	304.0	298.8
-72.5°	282.4	282.7	282.4	281.6	280.1	278.2	275.7	272.7	269.1	265.0	260.3
-75°	242.5	242.7	242.5	241.7	240.3	238.4	236.0	233.3	230.1	226.4	222.4
-77.5°	204.1	204.2	204.0	203.4	202.1	200.5	198.5	196.2	193.6	190.6	187.3
-80°	168.6	168.6	168.3	167.8	166.7	165.3	163.6	161.7	159.5	157.1	154.5
-82.5°	135.8	135.6	135.3	134.8	133.8	132.6	131.3	129.8	128.1	126.3	124.3
-85°	106.3	106.0	105.6	105.1	104.3	103.3	102.3	101.2	99.9	98.6	97.2
-87.5°	80.6	80.2	79.8	79.4	78.7	77.9	77.2	76.4	75.5	74.6	73.7
-90°	57.4	56.9	56.4	55.9	55.6	55.2	54.9	54.5	54.2	53.8	53.5

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	53.0	52.5	52.2	51.9	51.6	51.3	51.0	50.7	50.4	50.1	49.8
87.5°	73.0	72.2	71.3	70.5	69.6	68.6	67.7	66.7	65.7	64.7	63.7
85°	96.1	94.8	93.4	91.9	90.4	88.8	87.1	85.3	83.5	81.7	79.7
82.5°	122.6	120.6	118.4	116.2	113.8	111.3	108.6	105.9	103.2	100.4	97.5
80°	151.8	149.0	146.0	143.0	139.8	136.3	132.7	128.9	125.0	121.0	116.8
77.5°	184.3	180.7	176.8	172.6	168.2	163.6	158.8	153.8	148.6	143.3	138.0
75°	218.1	213.7	208.9	203.7	198.2	192.7	186.8	180.6	174.0	167.1	160.5
72.5°	253.9	248.8	243.1	236.9	230.2	223.2	216.0	208.4	200.3	192.2	184.4
70°	291.4	285.2	278.6	271.4	263.6	255.4	247.0	237.9	228.2	218.5	209.1
67.5°	329.4	322.1	314.4	306.3	297.7	288.4	278.9	268.6	257.7	246.5	235.0
65°	368.4	360.2	351.9	342.9	332.4	321.4	310.6	299.1	286.9	274.7	261.9
62.5°	408.1	399.5	389.9	379.2	367.7	355.6	343.5	330.0	316.1	302.8	288.1
60°	448.9	438.8	427.8	416.3	404.0	390.9	376.4	361.4	346.4	330.8	314.6
57.5°	490.5	478.9	466.5	453.8	439.9	425.2	410.3	394.3	376.8	359.2	341.9
55°	532.4	520.6	506.8	491.9	476.4	460.5	443.1	425.5	407.9	388.8	368.5
52.5°	572.7	559.3	545.0	529.7	513.6	495.0	476.5	458.0	437.2	417.1	396.2
50°	613.9	599.2	583.6	566.8	548.8	529.4	510.2	488.4	467.5	445.1	422.3
47.5°	655.0	639.6	622.4	603.5	584.2	563.9	542.2	520.1	496.7	472.7	448.7
45°	695.0	678.0	659.5	640.7	619.9	597.0	574.3	551.1	525.7	500.8	473.7
42.5°	736.0	716.8	697.1	676.3	653.3	630.8	605.5	580.6	554.9	527.2	500.1
40°	774.4	754.8	734.5	711.0	687.5	661.8	636.8	610.0	582.3	554.1	524.3
37.5°	811.1	790.6	770.1	745.6	720.0	693.3	666.5	638.4	609.2	579.1	548.5
35°	848.6	826.2	803.5	778.5	752.1	724.2	695.2	665.6	634.9	603.5	571.1
32.5°	881.8	860.9	836.3	809.7	782.0	753.6	723.1	691.9	659.6	626.4	593.1
30°	916.2	893.0	866.2	840.5	810.9	780.9	749.2	716.4	682.9	648.8	613.1
27.5°	948.7	923.6	897.1	867.7	839.2	806.5	774.2	739.6	704.6	668.4	632.3
25°	978.6	952.8	925.4	896.1	864.7	831.8	795.3	761.5	725.5	688.8	651.3
22.5°	1006.4	979.7	951.4	920.8	888.7	855.8	819.3	781.6	743.2	705.4	666.2
20°	1032.5	1004.9	975.4	944.0	910.7	875.6	838.8	797.6	760.6	722.0	682.3
17.5°	1054.2	1028.2	996.6	964.6	930.1	894.4	857.7	818.0	777.3	736.1	696.1
15°	1075.2	1045.0	1016.1	981.3	946.7	910.5	872.8	831.8	788.9	749.1	707.2
12.5°	1091.2	1063.2	1033.1	997.3	961.9	924.3	885.4	845.3	801.9	760.3	717.3
10°	1105.4	1077.1	1043.2	1011.0	974.0	936.6	896.8	855.7	814.0	769.9	725.5
7.5°	1116.8	1086.7	1055.5	1021.9	983.7	945.3	905.0	863.7	821.2	777.3	732.4
5°	1125.2	1093.9	1064.2	1029.0	991.0	951.6	910.7	869.2	826.4	782.0	737.5
2.5°	1130.2	1098.4	1069.0	1032.5	995.3	955.4	914.0	872.4	829.5	785.0	740.6
0°	1132.4	1099.6	1070.3	1033.6	996.6	956.4	914.8	873.3	830.4	786.0	741.7
-2.5°	1130.6	1098.3	1068.2	1031.9	994.9	955.1	913.6	872.0	829.3	785.0	740.6
-5°	1125.5	1093.8	1063.1	1027.1	990.4	951.1	909.9	868.3	826.0	782.0	737.4
-7.5°	1116.4	1086.2	1055.1	1019.4	983.1	944.5	903.7	862.2	820.4	776.9	732.2
-10°	1105.0	1074.8	1043.4	1008.8	972.8	935.3	895.0	853.7	812.7	769.5	725.1
-12.5°	1091.3	1061.9	1029.9	995.2	960.0	922.6	883.9	843.2	802.3	760.1	716.7
-15°	1074.3	1045.8	1014.3	980.8	945.4	908.0	870.1	830.7	790.2	749.0	706.7
-17.5°	1054.9	1026.9	995.9	963.4	928.7	892.3	854.5	815.8	776.3	735.8	694.7
-20°	1032.8	1005.0	975.1	943.5	909.6	874.4	837.4	799.3	760.2	721.0	680.7

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1007.4	980.4	952.2	921.4	888.6	854.2	818.3	781.3	743.3	704.4	665.2
-25°	979.8	954.4	926.7	896.5	865.2	831.9	797.4	761.5	724.9	686.8	648.7
-27.5°	949.8	925.9	898.6	870.2	839.8	807.9	774.5	740.1	704.4	667.9	631.0
-30°	918.3	895.1	869.3	841.8	812.6	781.9	750.1	716.9	682.5	647.7	612.2
-32.5°	885.0	862.6	837.8	811.8	783.8	754.7	724.0	692.1	659.6	626.1	591.8
-35°	849.5	828.1	805.6	780.1	753.8	725.7	696.5	666.3	635.1	603.1	570.4
-37.5°	813.7	793.5	770.4	747.4	722.1	695.6	668.0	639.2	609.7	579.2	548.0
-40°	774.5	756.3	735.9	713.1	689.5	664.6	638.3	611.3	583.2	554.2	524.4
-42.5°	737.2	718.5	699.3	678.5	656.2	632.6	607.9	582.3	555.7	528.2	500.5
-45°	697.4	680.8	662.6	642.8	622.1	599.8	576.6	552.5	527.3	502.0	474.8
-47.5°	657.6	642.1	625.4	606.5	586.9	566.0	544.4	521.9	498.9	473.6	448.3
-50°	617.2	602.5	586.4	569.0	551.1	531.8	511.9	490.9	467.6	444.8	422.0
-52.5°	575.0	561.9	547.4	531.6	515.0	497.7	477.9	457.1	437.1	416.6	395.6
-55°	533.9	521.5	508.6	494.2	478.2	461.1	443.8	425.5	406.9	388.1	368.6
-57.5°	493.0	481.7	469.3	456.0	441.6	426.0	410.4	393.8	376.6	359.4	341.8
-60°	452.9	441.8	430.0	418.1	405.2	391.4	376.9	362.0	346.6	330.9	314.8
-62.5°	411.4	401.9	391.7	380.6	368.9	356.6	344.1	330.6	316.6	302.4	288.0
-65°	370.6	362.1	353.5	344.2	333.7	322.6	311.1	299.3	286.9	274.1	261.3
-67.5°	331.4	323.9	315.8	307.3	298.5	289.1	278.9	268.4	257.5	246.3	235.0
-70°	292.8	286.2	279.2	272.0	264.3	256.0	247.2	238.1	228.7	219.1	209.3
-72.5°	255.0	249.3	243.4	237.0	230.3	223.4	216.1	208.6	200.8	192.7	184.4
-75°	218.0	213.3	208.6	203.6	198.2	192.6	186.6	180.4	173.9	167.2	160.6
-77.5°	183.8	180.0	176.2	172.1	167.8	163.3	158.6	153.7	148.7	143.4	138.0
-80°	151.7	148.7	145.8	142.7	139.4	136.0	132.4	128.6	124.8	120.9	116.7
-82.5°	122.2	120.0	117.9	115.7	113.4	110.9	108.3	105.6	103.0	100.2	97.3
-85°	95.8	94.2	92.9	91.4	89.9	88.3	86.7	84.9	83.2	81.4	79.5
-87.5°	72.7	71.7	70.9	70.1	69.3	68.4	67.5	66.6	65.6	64.7	63.7
-90°	53.1	52.8	52.4	52.1	51.7	51.4	51.0	50.7	50.3	50.0	49.6

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	49.5	49.3	49.0	48.7	48.5	48.2	47.9	47.7	47.4	47.5	47.5
87.5°	62.9	62.1	61.3	60.5	59.6	58.7	57.7	56.8	55.9	55.0	54.1
85°	78.0	76.2	74.3	72.6	70.9	69.1	67.3	65.5	63.7	61.9	60.1
82.5°	94.8	92.1	89.3	86.5	83.5	80.6	77.7	74.7	71.8	69.1	66.3
80°	113.0	109.1	105.0	101.0	97.0	92.9	88.9	84.8	80.7	76.7	72.7
77.5°	132.9	127.6	122.2	116.7	111.3	105.9	100.6	95.3	90.0	84.8	79.7
75°	153.9	147.2	140.4	133.6	126.7	119.8	112.9	106.2	99.6	93.1	86.8
72.5°	176.3	167.9	159.5	151.1	142.8	134.4	126.0	117.7	109.6	101.7	94.1
70°	199.3	189.5	179.8	169.6	159.4	149.3	139.6	129.7	120.1	110.7	101.5
67.5°	223.3	211.9	200.2	188.5	176.9	164.9	153.3	142.0	130.9	119.9	109.3
65°	248.7	235.2	221.5	208.0	194.4	181.2	167.7	154.4	141.8	129.3	117.2
62.5°	273.9	258.9	243.5	228.1	212.7	197.3	182.4	167.3	152.7	138.9	125.1
60°	298.8	282.1	265.5	248.3	231.1	214.0	197.0	180.4	164.0	148.3	133.3
57.5°	323.5	305.6	286.9	268.5	249.6	230.7	211.9	193.4	175.6	158.0	141.3
55°	348.9	328.8	308.6	288.2	267.9	247.2	226.9	206.5	186.9	167.7	149.2
52.5°	374.0	352.2	330.1	308.0	285.7	263.7	241.4	219.8	198.2	177.4	157.3
50°	399.4	375.2	351.5	327.4	303.5	279.6	256.0	232.5	209.4	186.9	165.2
47.5°	423.5	398.4	372.2	346.9	321.0	295.4	270.4	245.2	220.6	196.3	173.1
45°	447.6	420.5	393.2	365.3	338.1	311.0	284.2	257.8	231.2	205.5	180.8
42.5°	470.5	442.1	413.3	383.8	354.9	326.1	297.8	270.0	241.7	214.6	188.2
40°	494.3	463.0	432.5	401.9	370.7	341.0	311.2	281.6	252.0	223.2	195.4
37.5°	517.1	483.8	451.4	419.0	386.7	355.2	323.8	292.8	262.2	231.5	202.4
35°	538.0	505.1	468.6	435.3	402.2	368.6	335.8	303.6	271.8	239.5	209.0
32.5°	558.3	523.2	487.2	451.6	416.6	381.7	347.6	314.0	280.6	247.2	215.4
30°	577.7	541.1	505.1	466.0	430.2	394.4	358.4	323.5	289.0	254.7	221.4
27.5°	596.1	557.9	520.1	480.9	443.3	406.0	368.6	332.2	296.9	261.8	226.9
25°	612.0	573.7	534.4	495.1	455.4	416.5	378.3	340.7	304.3	268.4	232.0
22.5°	627.6	588.3	547.9	508.0	465.7	426.4	387.2	348.4	311.2	274.2	236.8
20°	642.1	601.4	560.0	518.4	475.8	435.4	395.6	355.4	317.3	279.3	241.2
17.5°	654.5	612.8	570.6	528.0	485.2	443.8	402.8	361.7	322.5	284.0	245.1
15°	664.5	623.1	579.8	536.7	493.4	451.2	408.8	367.2	327.1	288.0	248.6
12.5°	674.1	632.1	587.9	544.2	500.3	457.0	413.8	372.0	331.0	291.5	251.6
10°	682.9	639.1	594.6	550.3	506.0	461.6	417.9	375.9	334.2	294.3	254.1
7.5°	689.5	644.1	599.8	555.1	510.1	465.1	421.4	378.9	336.8	296.5	256.1
5°	693.5	647.6	603.5	558.5	513.0	467.5	423.9	381.1	338.6	298.1	257.6
2.5°	695.8	649.4	605.8	560.6	514.7	469.0	425.5	382.4	339.7	299.1	258.4
0°	696.4	649.7	606.5	561.2	515.2	469.5	426.0	382.9	340.1	299.4	258.7
-2.5°	695.6	649.1	605.6	560.4	514.5	469.1	425.5	382.5	339.7	299.1	258.4
-5°	693.0	647.1	603.1	558.2	512.7	467.6	423.9	381.2	338.6	298.1	257.5
-7.5°	688.8	643.5	599.1	554.6	509.6	465.2	421.4	379.0	336.8	296.5	256.0
-10°	682.1	638.3	593.6	549.7	505.2	461.7	417.9	375.9	334.2	294.2	253.9
-12.5°	673.6	631.3	586.8	543.4	499.6	457.1	413.7	372.0	330.9	291.3	251.3
-15°	663.8	622.4	578.7	535.9	492.8	451.3	408.7	367.3	327.0	287.8	248.2
-17.5°	652.8	611.8	569.4	527.1	484.9	443.9	402.8	361.7	322.4	283.7	244.7
-20°	640.4	599.5	558.7	517.2	475.9	435.4	395.6	355.3	317.1	279.0	240.6

REPORT NUMBER: P1209904 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	626.3	586.2	546.4	506.2	466.1	426.3	387.4	348.1	310.9	273.8	236.0
-25°	610.5	571.8	533.0	494.0	455.6	416.4	378.4	340.5	304.0	267.9	231.1
-27.5°	593.3	556.0	518.4	480.7	443.4	406.0	368.7	332.2	296.5	261.2	225.9
-30°	575.9	539.2	502.9	466.6	430.3	394.4	358.3	323.3	288.6	254.0	220.3
-32.5°	557.0	521.7	486.5	451.7	416.5	381.9	347.2	313.7	280.1	246.4	214.3
-35°	537.1	503.4	469.4	435.4	402.2	368.7	335.6	303.2	271.1	238.3	207.9
-37.5°	516.1	484.1	451.4	418.8	386.9	354.9	323.5	292.3	261.3	230.0	201.2
-40°	494.6	463.4	432.5	401.8	370.9	340.6	310.7	280.9	251.0	221.7	194.2
-42.5°	471.3	442.1	413.0	383.9	354.6	325.8	297.2	269.0	240.2	213.0	186.9
-45°	447.4	420.2	393.0	365.3	337.9	310.4	283.4	256.6	229.3	203.9	179.4
-47.5°	423.3	398.0	372.3	346.5	320.7	294.6	269.2	243.5	218.5	194.7	171.7
-50°	398.9	375.2	351.3	327.2	302.9	278.7	254.6	230.2	207.5	185.3	163.9
-52.5°	373.9	352.1	330.0	307.5	285.0	262.4	239.1	217.4	196.2	175.7	156.0
-55°	348.9	328.8	308.3	287.6	266.7	245.5	224.2	204.3	184.9	166.1	147.9
-57.5°	323.7	305.2	286.4	267.4	248.2	228.4	209.6	191.1	173.5	156.4	139.8
-60°	298.4	281.6	264.5	247.1	229.3	212.0	194.8	178.1	162.1	146.7	131.7
-62.5°	273.1	258.0	242.3	226.7	211.1	195.6	180.2	165.1	150.9	137.0	123.5
-65°	248.0	234.4	220.7	206.9	193.1	179.4	165.7	152.4	139.8	127.5	115.6
-67.5°	223.3	211.5	199.5	187.5	175.4	163.3	151.6	139.9	128.7	118.0	107.7
-70°	199.3	189.1	178.8	168.4	158.1	147.9	137.7	127.6	117.9	108.8	100.0
-72.5°	176.0	167.4	158.8	150.2	141.5	132.8	124.1	115.6	107.5	99.9	92.6
-75°	153.7	146.8	139.6	132.5	125.3	118.2	111.1	104.2	97.5	91.3	85.3
-77.5°	132.5	126.9	121.4	115.7	110.1	104.4	98.8	93.3	88.0	83.0	78.2
-80°	112.7	108.5	104.2	100.0	95.7	91.4	87.2	82.9	78.8	75.1	71.4
-82.5°	94.4	91.4	88.4	85.4	82.2	79.2	76.2	73.1	70.1	67.6	65.0
-85°	77.7	75.8	73.8	71.9	69.9	68.0	66.0	64.0	62.0	60.5	58.9
-87.5°	62.7	61.8	60.8	59.7	58.7	57.7	56.6	55.5	54.5	53.8	53.1
-90°	49.5	49.4	49.3	49.2	49.0	48.9	48.8	48.7	48.6	48.5	48.5

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CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	47.6	47.7	47.7	47.8	47.9	47.9	48.0
87.5°	53.3	52.4	51.5	50.6	49.8	48.9	48.0
85°	58.3	56.5	54.8	53.1	51.4	49.7	48.0
82.5°	63.5	60.9	58.2	55.5	53.0	50.5	48.0
80°	69.0	65.3	61.6	58.1	54.6	51.3	48.0
77.5°	74.6	69.8	65.1	60.7	56.2	52.1	48.0
75°	80.6	74.5	68.7	63.2	57.9	52.9	48.0
72.5°	86.7	79.4	72.3	65.8	59.6	53.6	48.0
70°	92.8	84.4	76.2	68.5	61.3	54.4	48.0
67.5°	99.1	89.4	80.0	71.1	62.9	55.2	48.0
65°	105.4	94.4	83.9	73.8	64.5	55.9	48.0
62.5°	112.0	99.4	87.7	76.5	66.2	56.7	48.0
60°	118.6	104.5	91.5	79.2	67.8	57.5	48.0
57.5°	125.1	109.7	95.3	81.9	69.4	58.2	48.0
55°	131.7	114.9	99.0	84.5	71.0	58.9	48.0
52.5°	138.2	120.0	102.7	87.2	72.5	59.7	48.0
50°	144.6	124.9	106.5	89.7	74.1	60.3	48.0
47.5°	150.8	129.9	110.2	92.1	75.6	61.0	48.0
45°	157.0	134.7	113.8	94.5	77.1	61.6	48.0
42.5°	163.0	139.4	117.3	96.8	78.5	62.2	48.0
40°	168.9	144.0	120.6	99.0	79.9	62.8	48.0
37.5°	174.6	148.3	123.8	101.1	81.1	63.3	48.0
35°	180.0	152.5	126.9	103.3	82.4	63.9	48.0
32.5°	185.1	156.4	129.8	105.3	83.6	64.4	48.0
30°	189.8	160.2	132.6	107.2	84.7	64.9	48.0
27.5°	194.4	163.6	135.1	109.0	85.7	65.3	48.0
25°	198.6	166.9	137.5	110.6	86.7	65.7	48.0
22.5°	202.4	169.9	139.7	112.1	87.5	66.1	48.0
20°	205.9	172.6	141.7	113.5	88.3	66.4	48.0
17.5°	209.0	175.0	143.5	114.7	89.0	66.7	48.0
15°	211.7	177.1	145.1	115.7	89.6	67.0	48.0
12.5°	214.0	178.9	146.4	116.6	90.1	67.2	48.0
10°	215.8	180.4	147.4	117.3	90.5	67.3	48.0
7.5°	217.3	181.5	148.3	117.9	90.8	67.5	48.0
5°	218.3	182.3	148.9	118.3	91.0	67.6	48.0
2.5°	218.9	182.8	149.2	118.5	91.2	67.6	48.0
0°	219.0	182.9	149.3	118.6	91.2	67.7	48.0
-2.5°	218.8	182.7	149.2	118.5	91.1	67.6	48.0
-5°	218.1	182.2	148.8	118.2	91.0	67.6	48.0
-7.5°	217.0	181.3	148.1	117.8	90.8	67.5	48.0
-10°	215.5	180.1	147.3	117.2	90.4	67.3	48.0
-12.5°	213.6	178.6	146.2	116.4	90.0	67.1	48.0
-15°	211.2	176.8	144.8	115.5	89.5	66.9	48.0
-17.5°	208.5	174.6	143.2	114.4	88.8	66.6	48.0
-20°	205.3	172.2	141.4	113.2	88.1	66.3	48.0

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CATALOG NUMBER: BKHDR150CLD2D-HI-3500K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	201.8	169.4	139.3	111.8	87.4	66.0	48.0
-25°	197.9	166.4	137.1	110.3	86.5	65.6	48.0
-27.5°	193.6	163.1	134.6	108.7	85.5	65.2	48.0
-30°	189.0	159.5	132.1	106.9	84.5	64.8	48.0
-32.5°	184.2	155.8	129.3	104.9	83.3	64.3	48.0
-35°	179.0	151.8	126.3	102.8	82.1	63.8	48.0
-37.5°	173.6	147.6	123.1	100.7	80.9	63.2	48.0
-40°	167.9	143.2	120.0	98.6	79.6	62.7	48.0
-42.5°	162.0	138.6	116.6	96.4	78.2	62.1	48.0
-45°	156.0	133.8	113.1	94.0	76.8	61.5	48.0
-47.5°	149.8	129.0	109.5	91.6	75.3	60.9	48.0
-50°	143.5	123.9	105.8	89.1	73.8	60.2	48.0
-52.5°	137.0	119.0	102.0	86.6	72.2	59.5	48.0
-55°	130.4	113.9	98.3	84.0	70.6	58.8	48.0
-57.5°	123.8	108.7	94.5	81.3	69.1	58.1	48.0
-60°	117.3	103.5	90.7	78.7	67.5	57.3	48.0
-62.5°	110.7	98.4	86.9	76.0	65.9	56.6	48.0
-65°	104.2	93.4	83.0	73.2	64.2	55.8	48.0
-67.5°	97.8	88.3	79.2	70.5	62.5	55.0	48.0
-70°	91.5	83.3	75.4	67.9	60.9	54.3	48.0
-72.5°	85.4	78.4	71.6	65.3	59.3	53.5	48.0
-75°	79.3	73.5	68.0	62.7	57.6	52.7	48.0
-77.5°	73.5	68.9	64.4	60.1	55.9	51.9	48.0
-80°	67.9	64.3	60.9	57.6	54.3	51.1	48.0
-82.5°	62.4	60.0	57.5	55.0	52.7	50.3	48.0
-85°	57.3	55.7	54.2	52.6	51.1	49.5	48.0
-87.5°	52.4	51.7	50.9	50.2	49.5	48.7	48.0
-90°	48.4	48.3	48.3	48.2	48.1	48.1	48.0

(END OF REPORT)