

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P200908

Luminaire Tested: **WKP4BLEDEDFC-7040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P184290)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP4BLEDEDFC-7040
Description: STREETWORKS WALPAK CUTOFF 4LED 4000K

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2239 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 0.75' x H: 0.1')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



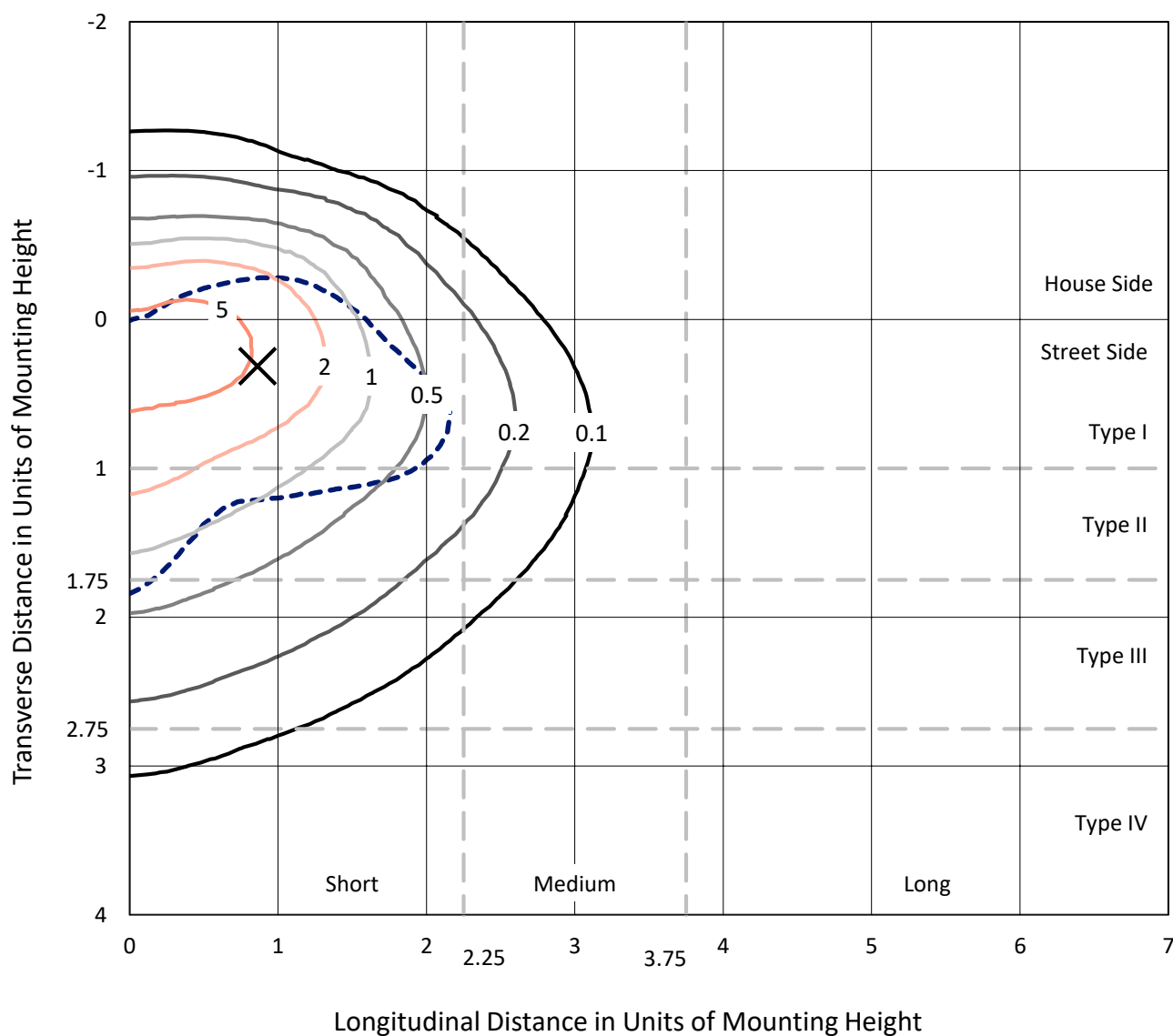
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

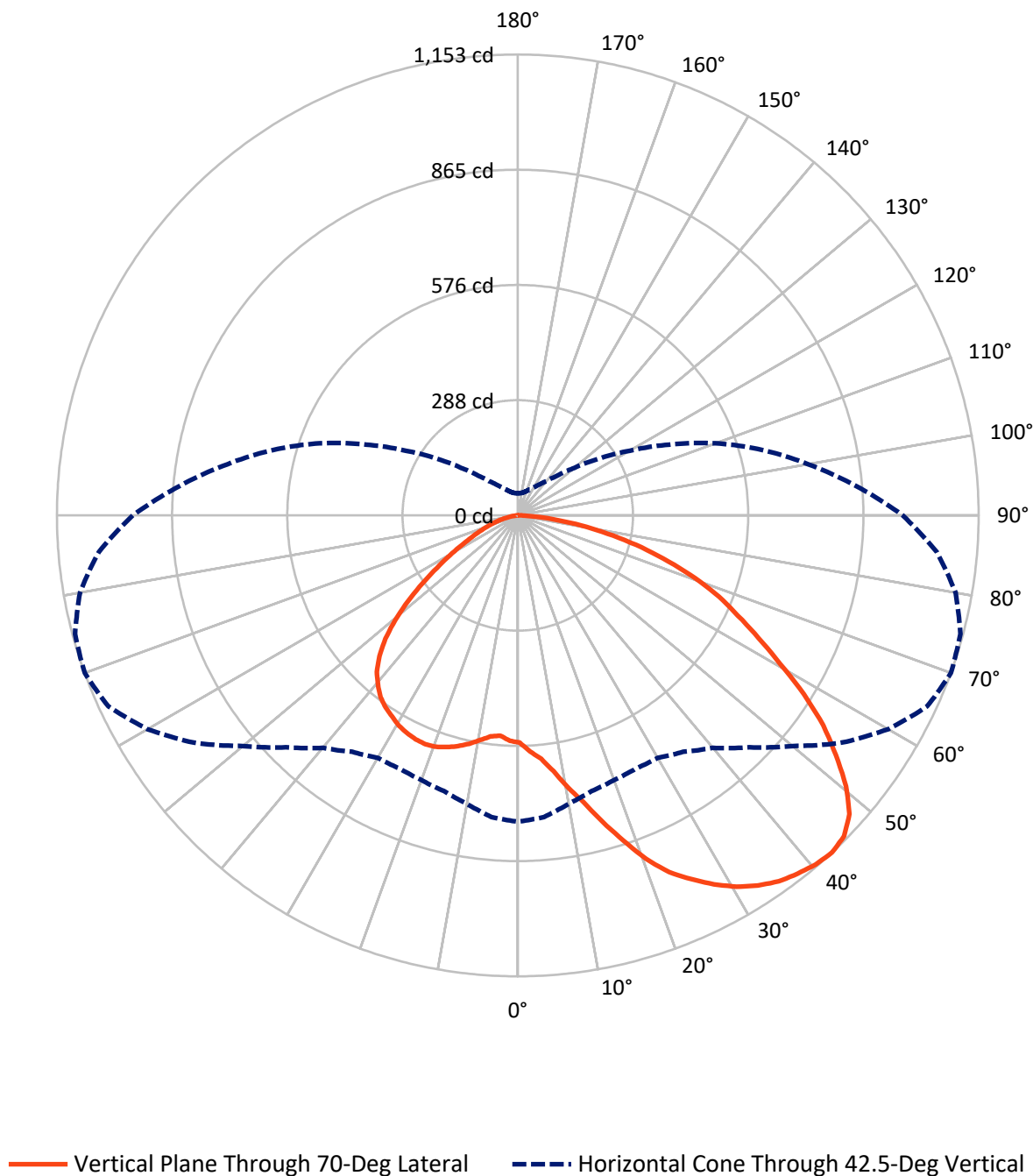


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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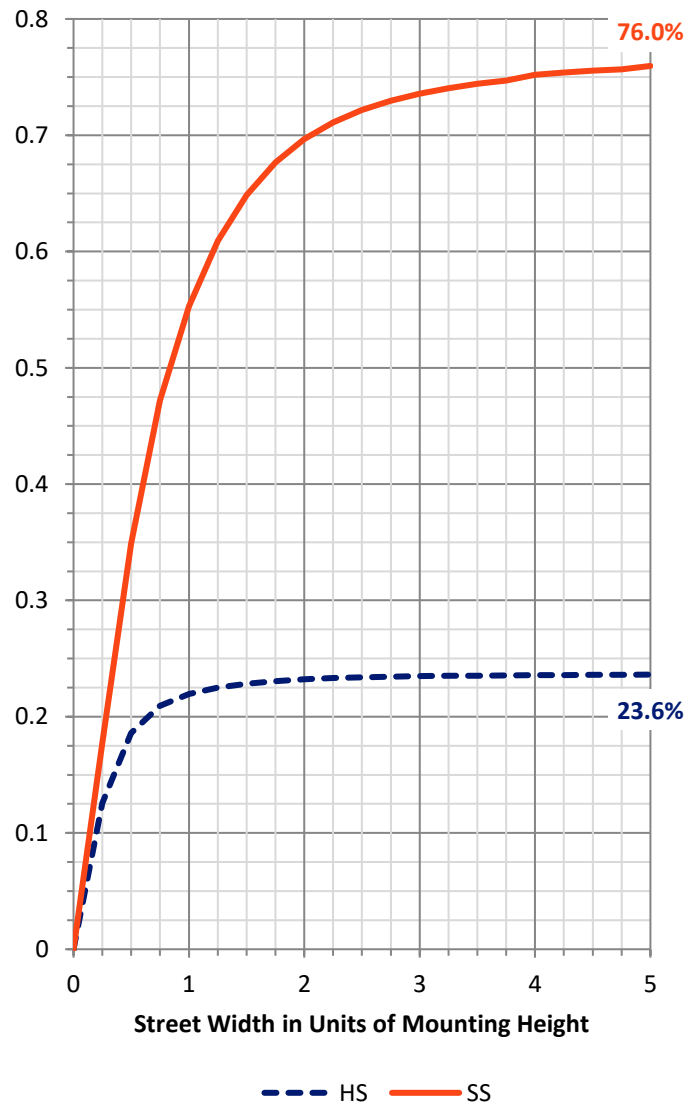
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	533.7	0.0	533.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	1705.3	0.0	1705.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	2239.0	0.0	2239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	2.4
10°-20°	173.8	7.8
20°-30°	306.0	13.7
30°-40°	400.8	17.9
40°-50°	435.7	19.5
50°-60°	390.7	17.4
60°-70°	287.2	12.8
70°-80°	157.5	7.0
80°-90°	32.7	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2239.0	100.0
0°-180°	2239.0	100.0

Coefficient of Utilization



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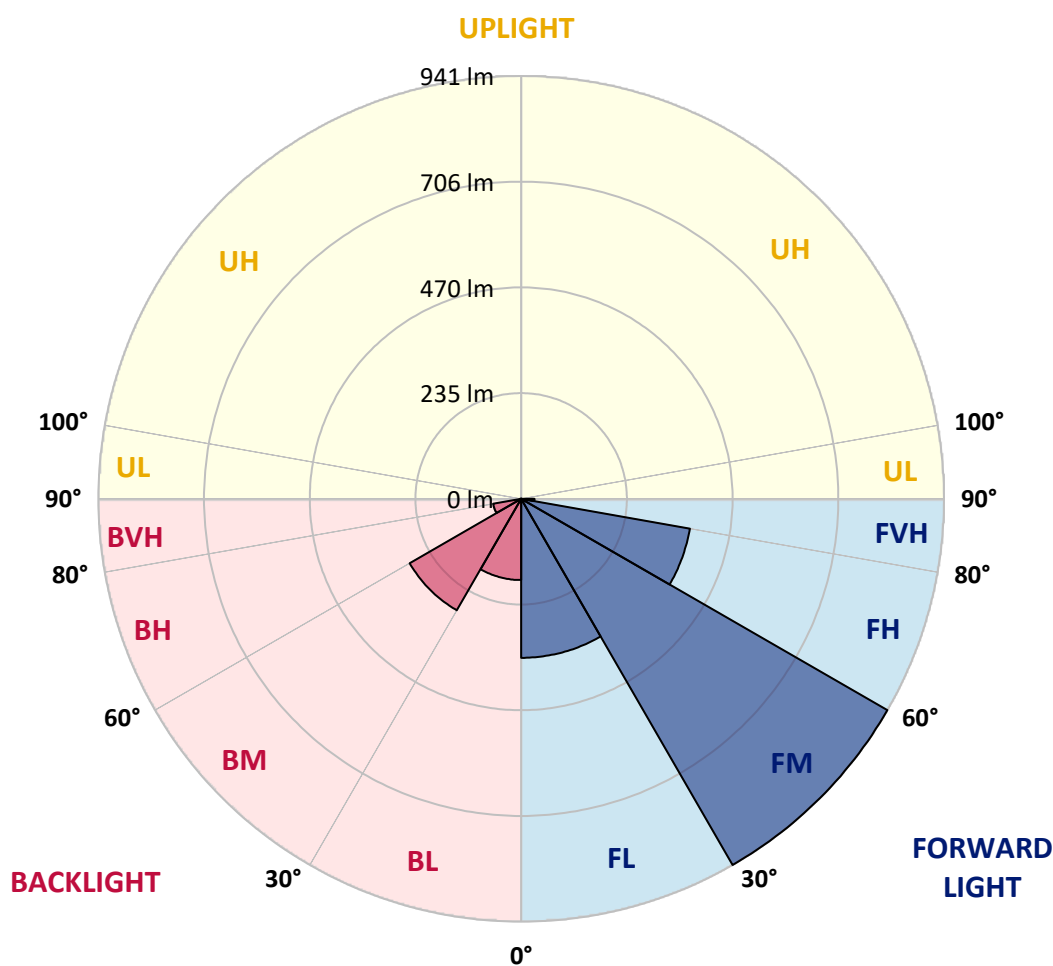
CATALOG NUMBER: WKP4BLEDEDFC-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	353.8	15.8			
FM	(30°-60°)	940.8	42.0			
FH	(60°-80°)	381.3	17.0			G0/660
FVH	(80°-90°)	29.4	1.3			G1/100
BL	(0°-30°)	180.7	8.1	B1/500		
BM	(30°-60°)	286.4	12.8	B1/1000		
BH	(60°-80°)	63.3	2.8	B0/110		G0/110
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CATALOG NUMBER: WKP4BLEDEDFC-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1
2.5°	608.8	605.9	609.5	607.3	608.1	603.8	605.9	604.5	602.3	598.8	596.6
5°	641.6	641.6	641.6	640.2	640.2	635.2	636.6	635.2	631.6	628.0	622.3
7.5°	666.6	665.9	665.9	665.9	663.7	660.9	661.6	663.0	660.2	660.2	655.2
10°	686.6	684.4	683.7	685.1	686.6	687.3	690.9	692.3	693.0	693.7	692.3
12.5°	702.3	704.4	703.7	711.6	716.6	718.0	723.0	725.1	727.3	729.4	731.5
15°	724.4	727.3	730.1	743.7	753.0	755.8	761.5	763.7	767.2	770.1	773.7
17.5°	750.1	754.4	762.2	780.8	792.9	801.5	814.3	817.2	820.8	821.5	825.0
20°	773.7	776.5	787.9	805.1	822.9	837.9	857.2	864.3	871.4	875.0	884.3
22.5°	788.6	792.2	804.3	820.1	838.6	862.2	885.0	902.1	916.4	925.7	937.8
25°	807.2	807.2	813.6	824.3	845.7	870.0	900.7	926.4	945.7	960.7	977.1
27.5°	819.3	817.2	816.5	820.1	836.5	863.6	898.6	937.8	966.4	989.2	1006.4
30°	820.1	817.2	813.6	811.5	815.8	840.8	877.9	929.3	969.2	1001.4	1029.9
32.5°	810.8	808.6	800.1	796.5	797.9	812.2	845.0	890.0	945.0	996.4	1043.5
35°	796.5	793.6	784.4	777.2	776.5	785.1	808.6	840.0	894.3	961.4	1032.0
37.5°	785.1	780.8	766.5	755.8	753.0	758.0	771.5	797.9	840.0	912.8	994.9
40°	772.9	769.4	750.1	734.4	727.3	729.4	735.8	758.7	799.4	864.3	950.7
42.5°	765.8	757.2	732.3	713.7	704.4	698.7	700.1	721.5	758.7	820.1	897.1
45°	759.4	744.4	718.0	698.0	683.7	668.0	668.0	688.7	723.0	778.7	845.7
47.5°	745.8	729.4	699.4	678.7	662.3	641.6	637.3	656.6	691.6	738.7	801.5
50°	731.5	709.4	679.4	656.6	637.3	619.5	614.5	629.5	658.0	700.8	758.7
52.5°	709.4	685.1	654.5	629.5	609.5	598.1	593.8	605.9	625.2	663.0	713.7
55°	679.4	654.5	625.2	600.9	580.9	571.6	570.9	583.1	598.1	627.3	669.4
57.5°	644.5	622.3	592.3	567.4	551.7	544.5	546.7	558.1	571.6	592.3	628.8
60°	602.3	580.2	554.5	532.4	518.1	514.5	518.1	528.1	541.7	555.9	584.5
62.5°	553.8	536.0	511.7	493.1	481.0	481.0	483.1	491.7	503.8	518.8	539.5
65°	501.7	486.7	466.1	446.8	437.6	439.0	441.1	450.4	464.0	476.7	492.4
67.5°	445.4	431.8	414.0	395.4	390.4	389.7	391.2	400.4	414.0	425.4	440.4
70°	384.0	374.0	357.6	341.2	335.5	338.3	339.8	349.8	361.2	369.0	384.7
72.5°	320.5	311.9	296.2	284.1	283.4	286.2	289.8	297.7	306.9	315.5	327.6
75°	255.5	249.1	236.3	227.7	228.4	232.0	236.3	242.7	251.3	258.4	269.1
77.5°	193.4	188.4	179.2	173.5	174.9	179.2	182.7	188.4	194.9	202.0	209.9
80°	134.2	131.3	122.8	122.1	123.5	127.1	129.9	134.2	139.9	144.9	151.3
82.5°	82.1	79.9	75.7	74.9	76.4	78.5	82.1	86.4	89.2	92.8	97.1
85°	39.3	37.8	35.7	36.4	37.8	40.0	41.4	44.3	46.4	47.8	50.0
87.5°	9.3	8.6	7.9	9.3	10.0	11.4	11.4	12.8	14.3	15.0	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1
2.5°	593.8	590.9	592.3	590.9	588.8	585.9	582.4	578.8	576.6	572.4	569.5
5°	618.0	614.5	615.9	611.6	605.9	600.2	593.1	585.9	578.8	570.2	562.4
7.5°	651.6	648.7	650.9	645.9	637.3	633.7	621.6	610.2	598.1	584.5	570.9
10°	690.1	690.9	693.7	692.3	683.7	675.9	660.9	645.9	629.5	611.6	590.2
12.5°	733.0	735.1	742.2	736.5	730.8	722.3	703.0	684.4	663.7	638.7	611.6
15°	780.1	785.8	797.2	795.1	786.5	773.7	748.0	724.4	695.9	664.4	630.9
17.5°	833.6	842.2	858.6	855.0	851.5	830.0	805.8	772.2	735.1	694.4	650.9
20°	897.1	906.4	920.7	917.1	910.7	887.1	855.7	817.2	772.2	723.0	670.9
22.5°	946.4	955.7	968.5	969.2	961.4	934.3	898.6	852.2	799.4	742.2	680.1
25°	989.2	994.9	1008.5	1007.8	1001.4	976.4	940.0	885.7	822.9	758.0	687.3
27.5°	1024.9	1036.3	1046.3	1044.9	1038.5	1011.3	969.2	909.3	844.3	768.7	688.0
30°	1054.9	1067.7	1077.7	1077.7	1067.7	1037.0	995.6	929.3	857.2	773.7	687.3
32.5°	1075.6	1094.9	1105.6	1103.4	1089.2	1061.3	1016.3	945.0	867.2	772.9	680.1
35°	1082.7	1106.3	1125.6	1124.1	1112.0	1082.0	1032.8	959.2	872.2	769.4	673.0
37.5°	1067.7	1114.8	1134.8	1137.0	1127.7	1098.4	1042.0	964.2	870.7	762.2	664.4
40°	1031.3	1102.7	1137.7	1147.7	1141.3	1110.6	1051.3	967.8	865.7	753.7	653.0
42.5°	990.6	1069.2	1129.8	1152.7	1146.3	1112.0	1052.0	962.8	848.6	737.3	633.0
45°	934.3	1028.5	1101.3	1144.1	1142.0	1104.9	1041.3	946.4	828.6	713.7	605.2
47.5°	876.4	975.7	1056.3	1116.3	1124.8	1080.6	1007.8	915.0	791.5	675.9	568.1
50°	826.5	913.6	1004.9	1064.2	1077.0	1024.2	948.5	860.0	735.1	624.5	520.3
52.5°	775.8	847.9	940.7	996.4	1008.5	956.4	880.0	785.8	661.6	556.7	459.0
55°	725.1	791.5	870.0	927.1	925.0	869.3	779.4	695.9	575.9	482.4	392.6
57.5°	675.9	733.0	794.4	844.3	827.9	758.0	674.4	586.6	479.6	400.4	325.5
60°	625.9	678.0	724.4	754.4	735.8	663.0	575.2	489.6	393.3	323.3	260.5
62.5°	577.4	620.2	655.9	675.9	661.6	590.2	506.0	421.9	330.5	263.4	207.0
65°	527.4	564.5	595.2	605.2	597.3	530.2	447.5	363.3	279.8	217.7	167.7
67.5°	471.7	504.6	528.8	543.1	533.1	473.1	394.0	312.6	234.8	179.9	136.3
70°	409.7	439.0	462.5	471.0	466.1	414.0	339.8	263.4	194.2	146.3	110.6
72.5°	347.6	369.0	389.7	394.7	396.2	351.2	288.4	217.0	155.6	116.3	87.1
75°	283.4	299.1	313.4	319.8	319.8	283.4	229.8	172.0	121.3	89.2	66.4
77.5°	219.8	230.6	241.3	243.4	242.0	214.1	175.6	129.2	89.9	64.2	48.5
80°	157.7	164.9	170.6	174.2	166.3	149.2	122.8	89.9	62.1	43.5	32.8
82.5°	100.6	105.6	107.1	106.4	103.5	93.5	76.4	55.0	37.1	25.7	18.6
85°	52.1	52.8	54.2	53.5	51.4	46.4	38.5	26.4	17.1	10.7	7.1
87.5°	16.4	17.1	17.1	16.4	15.0	13.6	10.7	7.1	3.6	2.1	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1	568.1
2.5°	563.8	560.2	555.2	550.2	544.5	540.2	535.2	529.5	527.4	523.8	523.1
5°	552.4	541.7	533.8	522.4	513.8	503.1	495.3	488.1	483.1	477.4	476.0
7.5°	556.7	540.2	523.8	506.7	490.3	474.6	462.5	449.7	441.8	432.6	429.7
10°	569.5	546.7	521.7	497.4	475.3	451.8	433.3	416.1	399.7	389.0	383.3
12.5°	583.8	550.9	521.0	488.8	460.4	431.8	407.6	385.4	366.9	352.6	344.0
15°	595.9	555.2	518.8	480.3	444.7	411.9	385.4	360.5	339.1	321.2	310.5
17.5°	605.9	557.4	514.5	471.0	432.6	396.9	365.5	337.6	314.1	294.1	279.1
20°	613.8	558.1	508.1	459.7	417.6	379.0	345.5	315.5	288.4	267.0	249.1
22.5°	617.3	554.5	497.4	446.8	400.4	359.0	322.6	289.1	261.2	236.3	217.0
25°	615.2	547.4	487.4	433.3	382.6	336.9	296.2	260.5	232.0	206.3	188.4
27.5°	610.9	538.8	476.0	416.1	359.8	310.5	269.1	234.1	204.9	179.9	162.7
30°	603.8	527.4	461.1	394.7	334.1	282.7	240.5	207.0	177.0	152.8	137.0
32.5°	593.1	513.1	440.4	369.0	305.5	253.4	212.0	177.7	149.9	128.5	115.6
35°	583.1	496.7	415.4	339.1	276.2	223.4	182.7	149.9	126.3	108.5	97.8
37.5°	569.5	476.0	386.2	311.2	246.3	192.7	154.2	127.1	107.1	92.8	84.2
40°	549.5	449.0	355.5	279.8	214.9	164.2	130.6	108.5	93.5	80.7	73.5
42.5°	526.7	418.3	322.6	247.0	184.9	140.6	112.1	94.2	81.4	71.4	65.0
45°	493.1	380.5	289.1	216.3	158.5	120.6	97.1	82.1	71.4	64.2	59.2
47.5°	452.5	339.8	253.4	185.6	135.6	103.5	84.2	72.8	65.0	59.2	55.0
50°	403.3	297.7	218.4	158.5	115.6	89.9	74.2	65.7	60.0	55.0	51.4
52.5°	348.3	257.0	185.6	133.5	98.5	78.5	67.1	60.7	55.7	51.4	47.8
55°	291.9	215.6	156.3	112.1	84.9	68.5	60.7	55.7	51.4	47.8	45.0
57.5°	241.3	177.0	129.2	93.5	72.8	60.7	55.0	50.7	47.1	43.5	41.4
60°	197.0	146.3	106.4	79.2	62.8	54.2	49.3	45.7	42.8	40.0	37.8
62.5°	158.5	120.6	87.1	66.4	54.2	47.8	44.3	41.4	38.5	36.4	34.3
65°	128.5	98.5	72.1	55.7	46.4	42.1	39.3	36.4	34.3	31.4	30.0
67.5°	104.2	79.9	59.2	47.1	40.0	36.4	33.5	31.4	29.3	27.1	25.7
70°	84.2	64.2	48.5	39.3	33.5	30.0	27.8	25.7	24.3	22.8	21.4
72.5°	67.1	50.7	39.3	32.1	26.4	23.6	22.1	20.7	19.3	18.6	17.1
75°	51.4	39.3	29.3	24.3	20.0	17.8	17.1	15.7	15.0	14.3	12.8
77.5°	37.1	27.1	20.7	16.4	14.3	12.8	12.1	11.4	10.0	10.0	9.3
80°	24.3	17.1	12.8	10.7	9.3	7.9	7.9	7.1	6.4	6.4	6.4
82.5°	12.8	9.3	7.1	5.7	5.0	4.3	4.3	3.6	3.6	3.6	3.6
85°	5.0	3.6	2.9	2.1	2.1	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: WKP4BLEDEDFC-7040

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	568.1	568.1	568.1	568.1
2.5°	522.4	520.3	523.1	521.0
5°	473.9	471.0	471.7	471.0
7.5°	426.1	421.1	421.9	419.7
10°	376.2	374.0	372.6	371.2
12.5°	338.3	332.6	331.9	329.8
15°	302.6	295.5	294.1	291.9
17.5°	268.4	260.5	259.1	257.0
20°	235.6	225.6	223.4	221.3
22.5°	203.4	192.7	189.9	187.7
25°	174.2	164.2	159.9	159.2
27.5°	148.5	138.5	136.3	133.5
30°	124.9	115.6	114.2	112.1
32.5°	104.9	97.8	95.6	94.9
35°	89.2	83.5	81.4	80.7
37.5°	77.1	72.1	70.7	69.2
40°	67.8	63.5	62.1	60.7
42.5°	60.0	57.1	55.7	55.0
45°	55.7	52.8	51.4	50.0
47.5°	51.4	49.3	47.1	46.4
50°	48.5	45.7	44.3	43.5
52.5°	45.0	42.8	41.4	40.7
55°	42.1	40.0	38.5	37.8
57.5°	39.3	37.1	35.7	35.7
60°	35.7	34.3	32.8	32.8
62.5°	32.1	30.7	30.0	29.3
65°	28.6	27.1	26.4	25.7
67.5°	24.3	22.8	22.1	22.1
70°	20.0	19.3	18.6	18.6
72.5°	16.4	15.7	15.0	15.0
75°	12.8	12.1	12.1	11.4
77.5°	9.3	8.6	8.6	8.6
80°	5.7	5.7	5.7	5.7
82.5°	3.6	2.9	3.6	2.9
85°	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)