

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: P200907

Luminaire Tested: **WKP3BLEDEDFC-7040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26563)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP3BLEDEDFC-7040
Description: STREETWORKS WALPAK CUTOFF 2LED 4000K

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1884 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 27.2
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

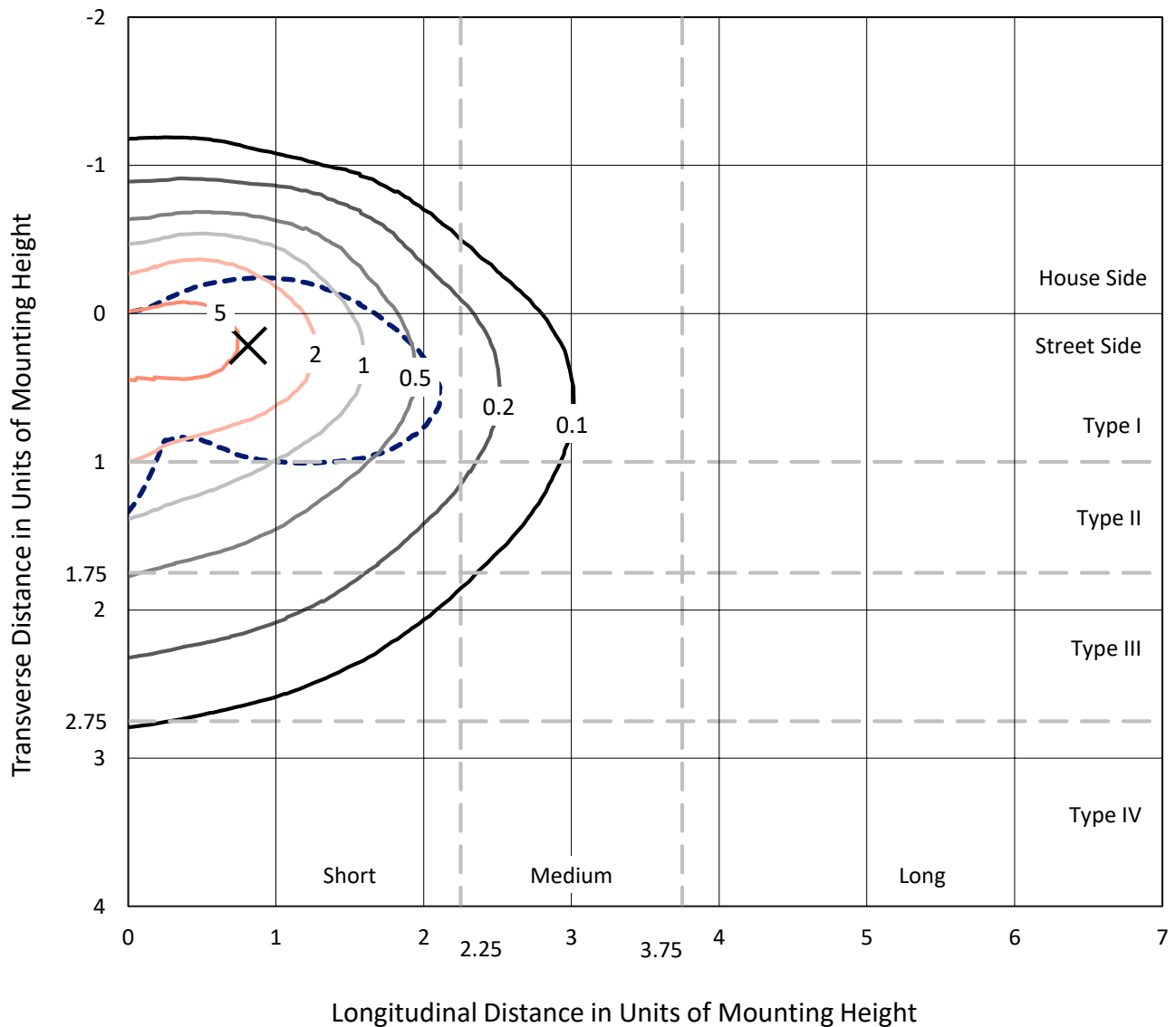


REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

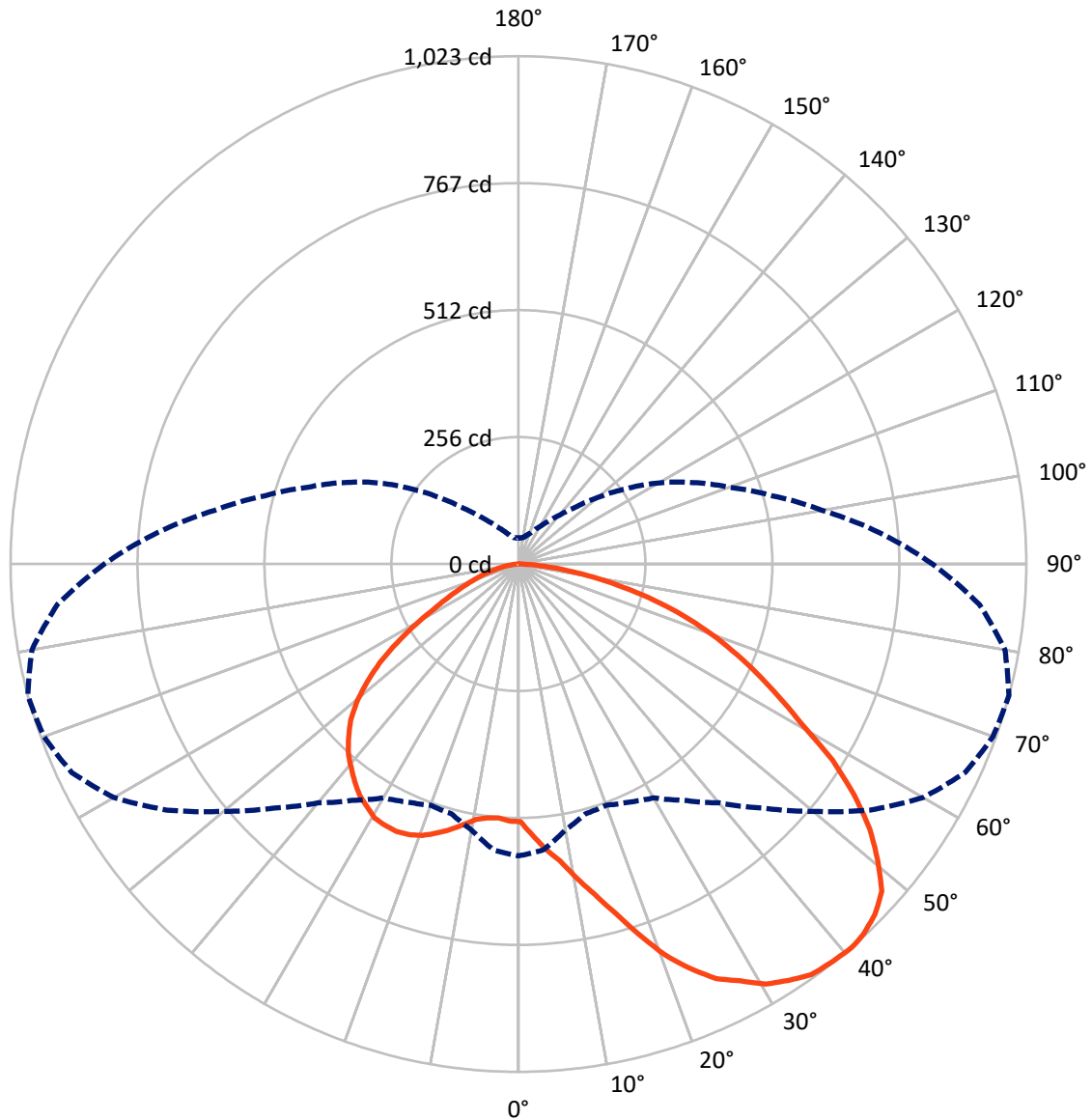


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 40-Deg Vertical



REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

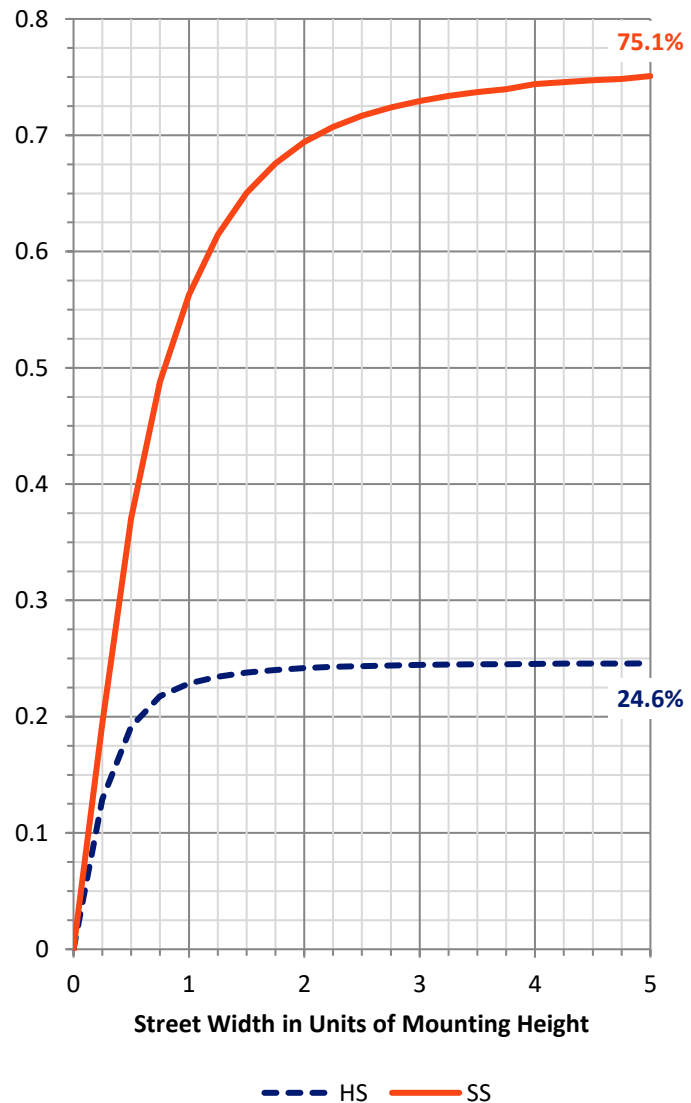
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	467.0	0.0	467.0
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	1416.9	0.0	1416.9
	% Fixture	75.2	0.0	75.2
Total	Lumens	1884.0	0.0	1884.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	2.7
10°-20°	155.1	8.2
20°-30°	263.6	14.0
30°-40°	336.7	17.9
40°-50°	358.8	19.0
50°-60°	324.8	17.2
60°-70°	238.6	12.7
70°-80°	129.5	6.9
80°-90°	26.6	1.4
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°	1884.0	100.0
0°-180°	1884.0	100.0



REPORT NUMBER: P200907

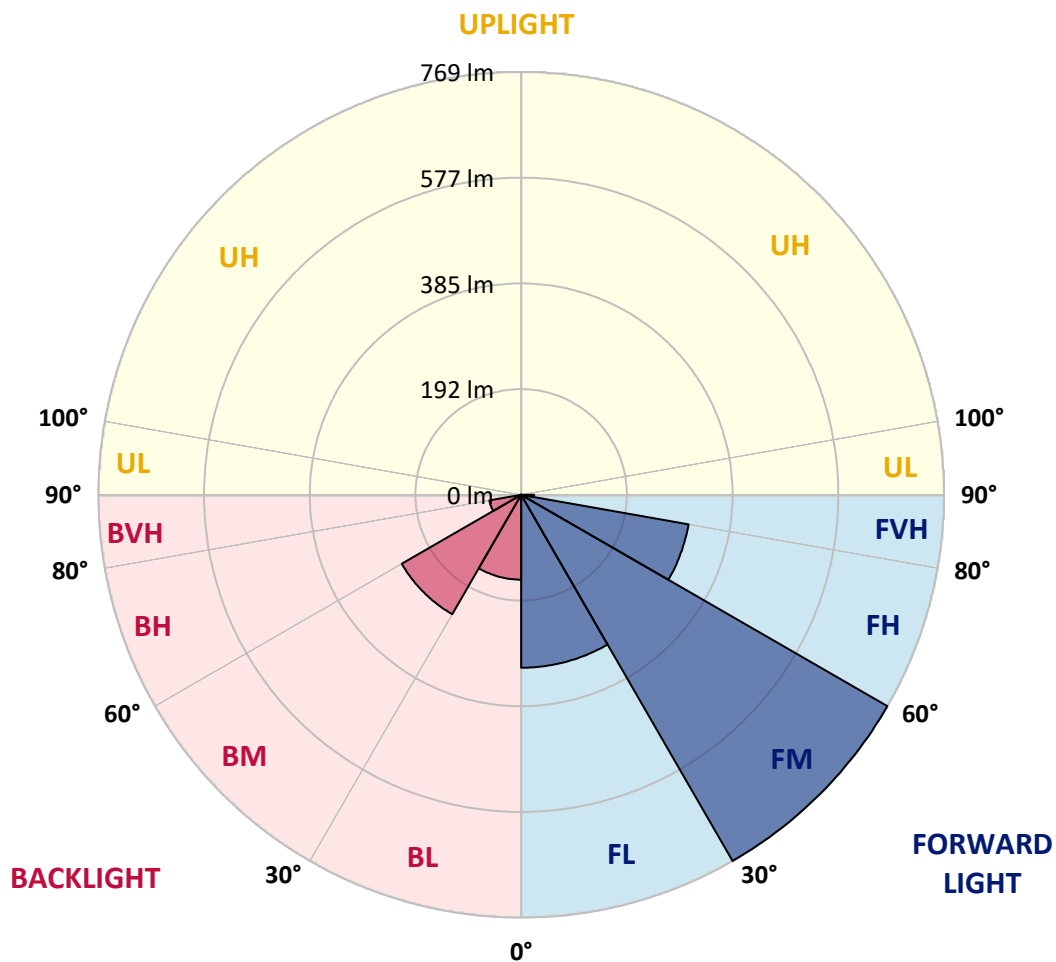
CATALOG NUMBER: WKP3BLEDEDFC-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.7	16.7			
FM	(30°-60°)	769.4	40.8			
FH	(60°-80°)	309.3	16.4			G0/660
FVH	(80°-90°)	23.5	1.2			G1/100
BL	(0°-30°)	154.4	8.2	B1/500		
BM	(30°-60°)	250.8	13.3	B1/1000		
BH	(60°-80°)	58.7	3.1	B0/110		G0/110
BVH	(80°-90°)	3.1	0.2			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 II Short





REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	574.1	572.1	574.1	570.1	573.1	570.1	572.1	568.1	568.1	564.1	559.1
5°	615.1	613.1	616.1	615.1	619.1	618.1	622.1	619.1	617.1	612.1	605.1
7.5°	642.1	643.1	648.1	650.1	653.1	652.1	657.1	655.1	653.1	649.1	641.1
10°	655.1	659.1	664.1	670.1	678.1	680.1	684.1	683.1	682.1	678.1	673.1
12.5°	661.1	665.1	672.1	683.1	693.1	698.1	704.1	707.1	708.1	706.1	704.1
15°	663.1	667.1	675.1	688.1	699.1	709.1	717.1	722.1	725.1	724.1	727.1
17.5°	664.1	668.1	676.1	692.1	704.1	718.1	731.1	739.1	746.1	749.1	761.1
20°	663.1	665.1	676.1	684.1	700.1	717.1	732.1	748.1	767.1	782.1	807.1
22.5°	661.1	661.1	668.1	672.1	686.1	705.1	727.1	754.1	789.1	814.1	843.1
25°	655.1	655.1	657.1	658.1	666.1	685.1	714.1	756.1	796.1	829.1	864.2
27.5°	649.1	648.1	645.1	639.1	639.1	659.1	692.1	744.1	795.1	835.1	869.2
30°	637.1	636.1	627.1	617.1	610.1	626.1	662.1	721.1	779.1	831.1	880.2
32.5°	627.1	620.1	607.1	594.1	586.1	597.1	631.1	685.1	747.1	816.1	879.2
35°	613.1	603.1	587.1	569.1	560.1	569.1	602.1	645.1	702.1	782.1	854.2
37.5°	599.1	589.1	564.1	543.1	538.1	547.1	572.1	610.1	659.1	738.1	820.1
40°	588.1	578.1	544.1	521.1	517.1	529.1	544.1	581.1	628.1	695.1	775.1
41°	584.1	572.1	536.1	514.1	510.1	520.1	536.1	569.1	617.1	677.1	760.1
42.5°	579.1	564.1	525.1	505.1	500.1	509.1	523.1	556.1	601.1	655.1	735.1
45°	570.1	547.1	509.1	491.1	486.1	491.1	504.1	531.1	572.1	625.1	692.1
47.5°	557.1	531.1	492.1	477.1	475.1	477.1	486.1	511.1	547.1	593.1	652.1
50°	541.1	511.1	475.1	462.1	464.1	466.1	473.1	494.1	524.1	562.1	616.1
52.5°	517.1	487.1	454.1	446.1	449.1	453.1	462.1	477.1	500.1	534.1	579.1
55°	492.1	461.1	433.1	429.1	433.1	438.1	447.1	463.1	480.1	506.1	541.1
57.5°	463.1	433.1	411.1	407.1	414.1	419.1	430.1	444.1	458.1	479.1	508.1
60°	428.1	403.1	386.1	385.1	392.1	398.1	408.1	422.1	434.1	450.1	474.1
62.5°	391.1	371.1	359.1	360.1	365.1	374.1	382.1	394.1	405.1	418.1	441.1
65°	349.1	335.1	327.1	328.1	333.1	343.1	349.1	361.1	370.1	384.1	401.1
67.5°	308.1	296.1	291.1	291.1	297.1	303.1	311.1	324.1	330.1	343.1	357.1
70°	265.0	257.0	251.0	251.0	257.0	263.0	269.0	280.0	287.1	299.1	311.1
72.5°	219.0	213.0	210.0	209.0	215.0	223.0	228.0	237.0	243.0	253.0	264.0
75°	174.0	170.0	168.0	168.0	174.0	181.0	185.0	196.0	199.0	207.0	216.0
77.5°	131.0	128.0	127.0	130.0	133.0	139.0	145.0	151.0	154.0	160.0	168.0
80°	90.0	89.0	89.0	92.0	94.0	99.0	102.0	108.0	110.0	115.0	120.0
82.5°	54.0	53.0	54.0	57.0	58.0	61.0	64.0	68.0	69.0	73.0	76.0
85°	25.0	26.0	26.0	28.0	28.0	30.0	32.0	35.0	35.0	37.0	39.0
87.5°	5.0	6.0	6.0	7.0	7.0	8.0	9.0	10.0	10.0	11.0	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	553.1	552.1	552.1	547.1	547.1	543.1	536.1	532.1	528.1	522.1	518.1
5°	595.1	593.1	591.1	584.1	577.1	567.1	555.1	545.1	535.1	523.1	513.1
7.5°	632.1	629.1	625.1	614.1	604.1	593.1	577.1	561.1	544.1	529.1	515.1
10°	666.1	663.1	661.1	652.1	643.1	627.1	607.1	588.1	566.1	544.1	522.1
12.5°	697.1	697.1	701.1	691.1	683.1	667.1	644.1	620.1	595.1	566.1	537.1
15°	727.1	734.1	744.1	740.1	729.1	712.1	683.1	654.1	622.1	589.1	553.1
17.5°	768.1	785.1	798.1	793.1	784.1	763.1	728.1	692.1	654.1	608.1	567.1
20°	822.1	839.1	855.2	853.2	840.1	816.1	775.1	730.1	685.1	631.1	580.1
22.5°	862.2	879.2	899.2	901.2	885.2	861.2	819.1	764.1	709.1	648.1	588.1
25°	890.2	912.2	931.2	938.2	925.2	899.2	856.2	794.1	728.1	660.1	592.1
27.5°	908.2	939.2	956.2	964.2	951.2	928.2	883.2	815.1	743.1	668.1	591.1
30°	923.2	956.2	981.2	993.2	982.2	953.2	902.2	830.1	751.1	669.1	588.1
32.5°	936.2	972.2	1001.2	1014.2	1000.2	969.2	919.2	839.1	755.1	665.1	576.1
35°	927.2	972.2	1005.2	1022.2	1016.2	980.2	924.2	844.2	751.1	656.1	565.1
37.5°	905.2	966.2	1006.2	1020.2	1020.2	987.2	931.2	840.1	741.1	641.1	548.1
40°	864.2	941.2	993.2	1017.2	1023.2	995.2	932.2	834.1	729.1	622.1	530.1
41°	847.2	928.2	985.2	1015.2	1023.2	995.2	929.2	831.1	724.1	616.1	523.1
42.5°	821.1	903.2	973.2	1011.2	1019.2	993.2	928.2	825.1	712.1	603.1	512.1
45°	774.1	863.2	938.2	992.2	1007.2	984.2	919.2	809.1	691.1	581.1	488.1
47.5°	723.1	814.1	893.2	960.2	985.2	959.2	893.2	784.1	662.1	550.1	462.1
50°	678.1	760.1	847.2	914.2	938.2	916.2	853.2	748.1	623.1	513.1	428.1
52.5°	636.1	704.1	788.1	854.2	886.2	866.2	803.1	698.1	575.1	467.1	387.1
55°	595.1	657.1	729.1	796.1	820.1	806.1	744.1	642.1	519.1	417.1	343.1
57.5°	553.1	608.1	666.1	732.1	746.1	725.1	661.1	562.1	450.1	359.1	292.1
60°	510.1	558.1	605.1	654.1	656.1	625.1	571.1	479.1	373.1	294.1	240.0
62.5°	470.1	508.1	546.1	579.1	588.1	557.1	500.1	415.1	315.1	240.0	192.0
65°	425.1	459.1	489.1	514.1	525.1	497.1	443.1	362.1	269.0	200.0	156.0
67.5°	377.1	407.1	432.1	453.1	464.1	439.1	391.1	314.1	228.0	166.0	127.0
70°	327.1	352.1	375.1	393.1	402.1	380.1	337.1	267.0	190.0	136.0	103.0
72.5°	276.0	299.1	318.1	329.1	338.1	322.1	282.1	223.0	154.0	109.0	82.0
75°	224.0	239.0	256.0	265.0	271.0	256.0	228.0	176.0	121.0	84.0	63.0
77.5°	174.0	188.0	197.0	204.0	203.0	193.0	172.0	133.0	90.0	62.0	46.0
80°	125.0	132.0	139.0	144.0	142.0	135.0	120.0	92.0	62.0	42.0	31.0
82.5°	80.0	83.0	88.0	90.0	87.0	84.0	74.0	56.0	37.0	24.0	18.0
85°	42.0	42.0	45.0	44.0	43.0	42.0	37.0	29.0	17.0	10.0	7.0
87.5°	13.0	13.0	14.0	14.0	13.0	12.0	11.0	8.0	4.0	2.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	513.1	506.1	501.1	494.1	487.1	478.1	472.1	467.1	465.1	464.1	459.1
5°	501.1	488.1	477.1	465.1	453.1	439.1	428.1	419.1	414.1	407.1	400.1
7.5°	496.1	477.1	459.1	440.1	424.1	406.1	391.1	377.1	367.1	356.1	348.1
10°	499.1	475.1	450.1	425.1	402.1	378.1	358.1	340.1	325.1	313.1	302.1
12.5°	505.1	474.1	442.1	413.1	384.1	356.1	334.1	311.1	295.1	280.0	268.0
15°	515.1	477.1	439.1	402.1	369.1	337.1	313.1	290.1	271.0	255.0	242.0
17.5°	521.1	477.1	434.1	394.1	357.1	324.1	297.1	273.0	252.0	235.0	220.0
20°	525.1	474.1	425.1	382.1	344.1	311.1	283.1	258.0	235.0	216.0	200.0
22.5°	526.1	470.1	417.1	372.1	333.1	299.1	270.0	243.0	219.0	199.0	181.0
25°	521.1	460.1	407.1	362.1	324.1	288.1	257.0	229.0	203.0	182.0	164.0
27.5°	517.1	451.1	398.1	353.1	314.1	277.0	244.0	214.0	187.0	166.0	147.0
30°	508.1	440.1	389.1	343.1	300.1	262.0	227.0	196.0	167.0	143.0	124.0
32.5°	495.1	430.1	378.1	330.1	287.1	243.0	205.0	171.0	142.0	121.0	106.0
35°	485.1	419.1	365.1	312.1	265.0	218.0	178.0	145.0	120.0	103.0	90.0
37.5°	471.1	404.1	348.1	292.1	238.0	189.0	150.0	123.0	102.0	88.0	77.0
40°	452.1	388.1	327.1	264.0	208.0	161.0	128.0	105.0	87.0	75.0	65.0
41°	445.1	381.1	318.1	252.0	196.0	151.0	120.0	98.0	82.0	70.0	61.0
42.5°	434.1	369.1	303.1	234.0	179.0	138.0	109.0	89.0	74.0	64.0	56.0
45°	410.1	343.1	271.0	203.0	154.0	118.0	93.0	75.0	63.0	55.0	50.0
47.5°	387.1	311.1	239.0	175.0	132.0	101.0	78.0	64.0	56.0	51.0	47.0
50°	351.1	275.0	205.0	150.0	113.0	85.0	66.0	57.0	51.0	47.0	43.0
52.5°	311.1	239.0	174.0	128.0	95.0	72.0	58.0	52.0	47.0	43.0	40.0
55°	269.0	202.0	147.0	108.0	80.0	62.0	52.0	47.0	43.0	40.0	37.0
57.5°	228.0	165.0	123.0	90.0	67.0	54.0	47.0	43.0	40.0	37.0	34.0
60°	185.0	135.0	103.0	75.0	56.0	47.0	42.0	39.0	36.0	34.0	31.0
62.5°	150.0	111.0	85.0	62.0	48.0	42.0	38.0	35.0	32.0	30.0	28.0
65°	119.0	92.0	70.0	51.0	41.0	37.0	33.0	31.0	29.0	27.0	25.0
67.5°	97.0	75.0	57.0	43.0	35.0	32.0	29.0	26.0	24.0	23.0	21.0
70°	78.0	61.0	46.0	35.0	30.0	26.0	24.0	22.0	20.0	19.0	18.0
72.5°	62.0	48.0	36.0	28.0	24.0	21.0	19.0	17.0	16.0	15.0	14.0
75°	48.0	37.0	27.0	21.0	18.0	16.0	14.0	13.0	12.0	12.0	11.0
77.5°	35.0	26.0	19.0	15.0	13.0	11.0	10.0	10.0	9.0	8.0	8.0
80°	23.0	16.0	11.0	9.0	8.0	7.0	7.0	6.0	6.0	5.0	5.0
82.5°	12.0	8.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
85°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	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



REPORT NUMBER: P200907

CATALOG NUMBER: WKP3BLEDEDFC-7040

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	519.1	519.1	519.1	519.1
2.5°	457.1	456.1	462.1	456.1
5°	397.1	394.1	394.1	391.1
7.5°	342.1	337.1	337.1	334.1
10°	293.1	287.1	287.1	284.1
12.5°	258.0	252.0	249.0	247.0
15°	231.0	224.0	222.0	220.0
17.5°	209.0	200.0	199.0	196.0
20°	188.0	179.0	175.0	173.0
22.5°	168.0	158.0	155.0	153.0
25°	150.0	140.0	136.0	133.0
27.5°	132.0	121.0	117.0	114.0
30°	112.0	102.0	98.0	96.0
32.5°	95.0	87.0	84.0	83.0
35°	81.0	74.0	72.0	71.0
37.5°	68.0	63.0	61.0	60.0
40°	59.0	54.0	53.0	52.0
41°	55.0	51.0	50.0	49.0
42.5°	51.0	48.0	47.0	46.0
45°	47.0	44.0	43.0	42.0
47.5°	44.0	41.0	40.0	39.0
50°	40.0	38.0	37.0	36.0
52.5°	38.0	36.0	34.0	34.0
55°	35.0	33.0	32.0	32.0
57.5°	32.0	31.0	30.0	29.0
60°	30.0	28.0	27.0	27.0
62.5°	27.0	25.0	25.0	24.0
65°	24.0	22.0	22.0	21.0
67.5°	20.0	19.0	19.0	18.0
70°	17.0	16.0	16.0	16.0
72.5°	14.0	13.0	13.0	13.0
75°	10.0	10.0	10.0	10.0
77.5°	8.0	7.0	7.0	7.0
80°	5.0	5.0	5.0	5.0
82.5°	3.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)