

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: P200910

Luminaire Tested: **WKP3BLEDEDFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26565)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP3BLEDEDFC
Description: STREETWORKS WALPAK CUTOFF

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912 lumens
Efficiency: N/A
Efficacy: 70.6 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): 27.1
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



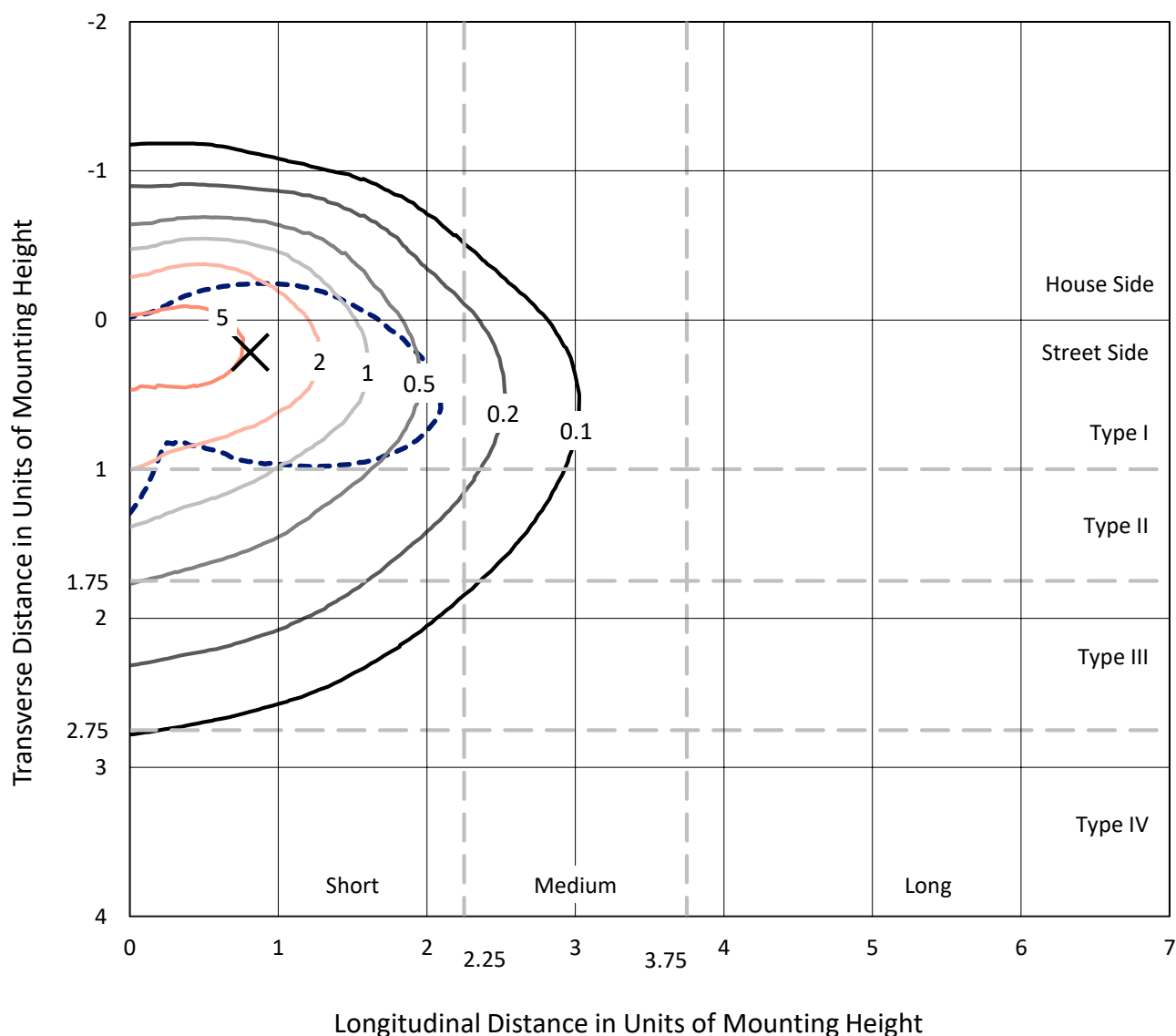
REPORT NUMBER: P200910

CATALOG NUMBER: WKP3BLEDEDFC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

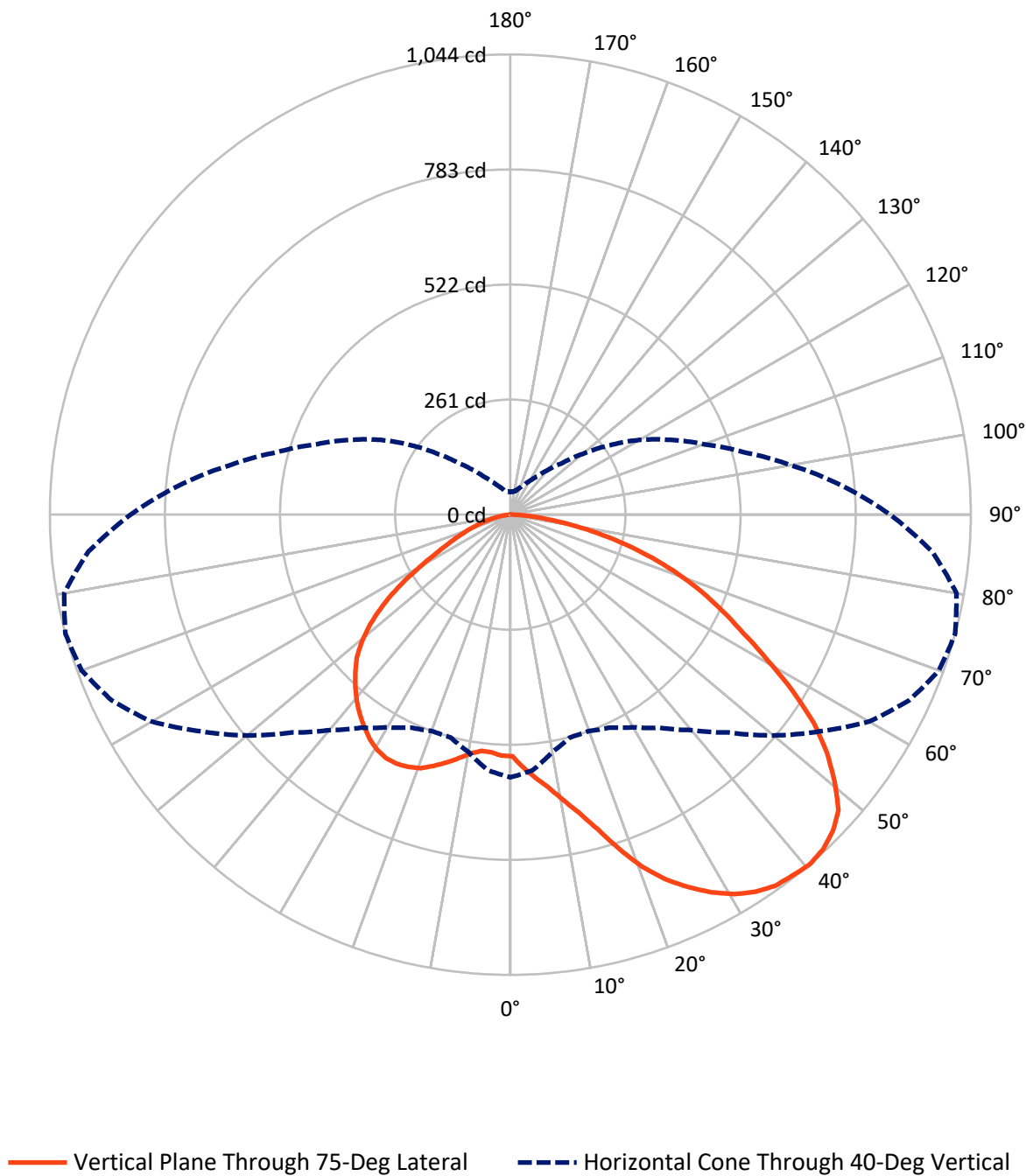


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P200910

CATALOG NUMBER: WKP3BLEDEDFC

Luminous Intensity Polar Plot



REPORT NUMBER: P200910

CATALOG NUMBER: WKP3BLEDEDFC

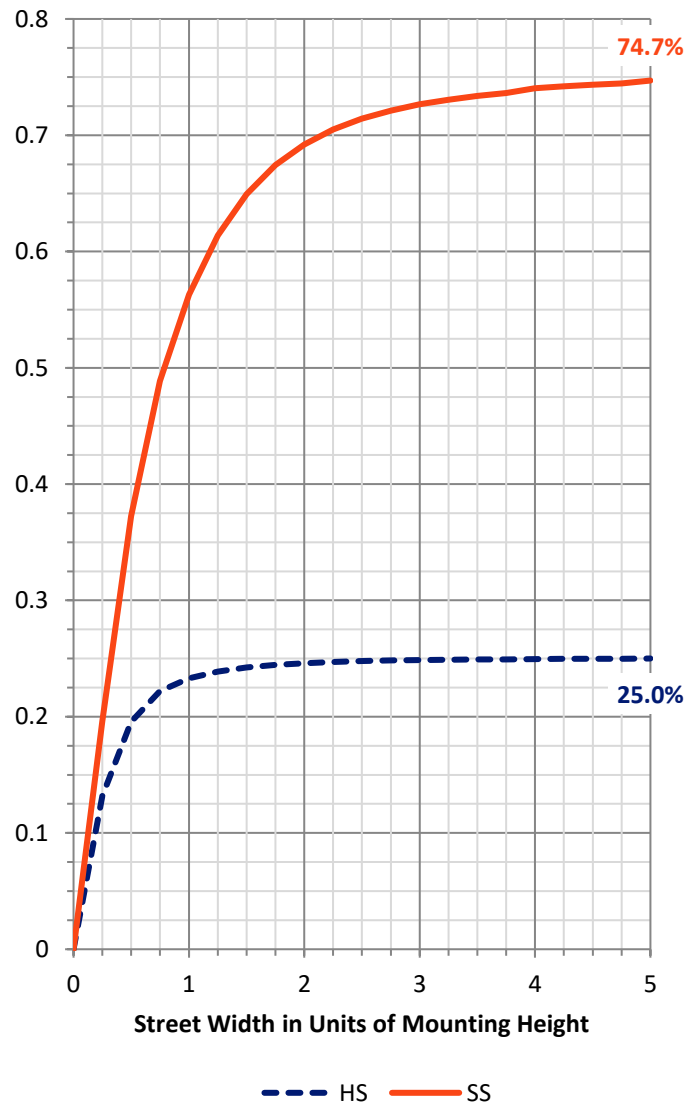
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	482.1	0.0	482.1
	% Fixture	25.2	0.0	25.2
Street Side	Lumens	1429.9	0.0	1429.9
	% Fixture	74.8	0.0	74.8
Total	Lumens	1912.0	0.0	1912.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	2.8
10°-20°	160.5	8.4
20°-30°	270.2	14.1
30°-40°	342.9	17.9
40°-50°	364.1	19.0
50°-60°	328.2	17.2
60°-70°	239.4	12.5
70°-80°	128.4	6.7
80°-90°	25.6	1.3
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°	1912.0	100.0
0°-180°	1912.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200910

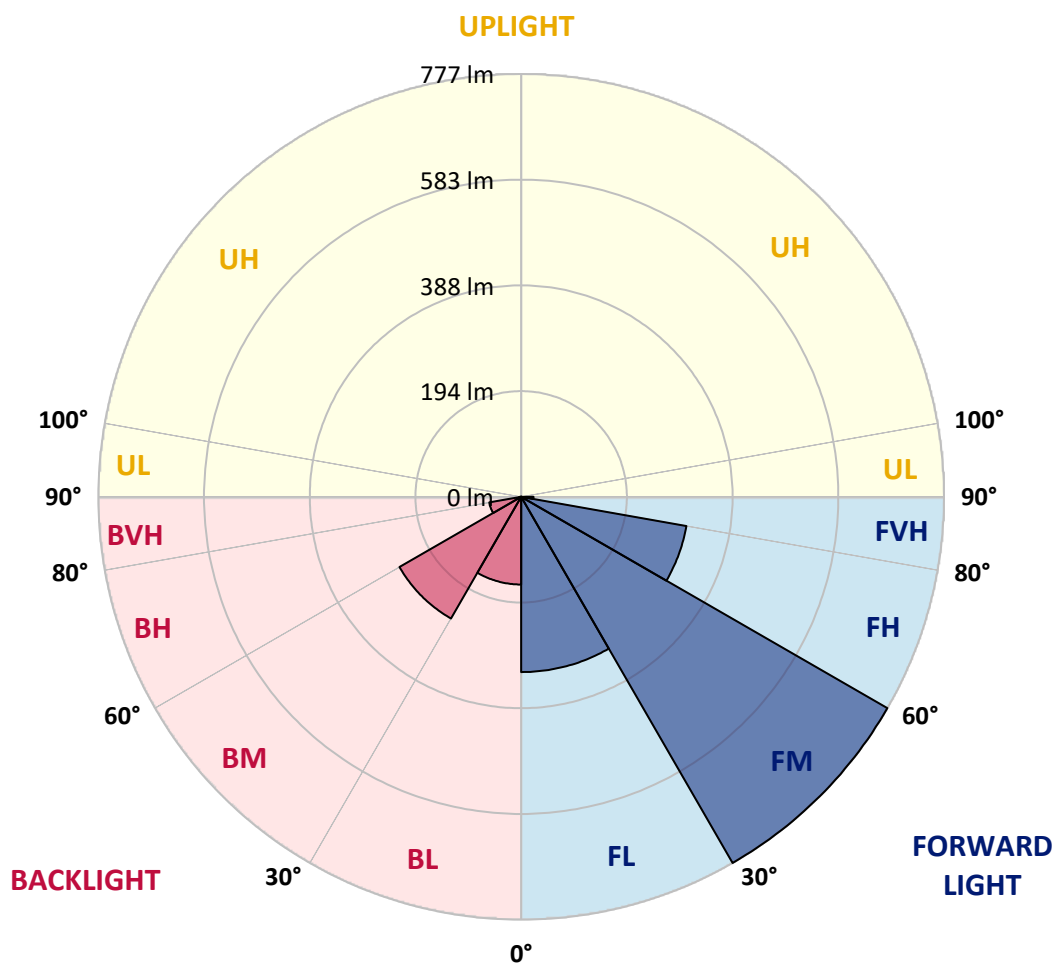
CATALOG NUMBER: WKP3BLEDEDFC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.1	16.8			
FM	(30°-60°)	777.0	40.6			
FH	(60°-80°)	308.3	16.1			G0/660
FVH	(80°-90°)	22.5	1.2			G1/100
BL	(0°-30°)	161.2	8.4	B1/500		
BM	(30°-60°)	258.2	13.5	B1/1000		
BH	(60°-80°)	59.5	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: P200910

CATALOG NUMBER: WKP3BLEDEDFC

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	601.1	601.1	598.1	598.1	598.1	597.1	602.1	601.1	600.1	595.1	594.1
5°	633.1	636.1	638.1	641.1	643.1	642.1	647.1	649.1	645.1	640.1	636.1
7.5°	662.1	663.1	669.1	672.1	675.1	674.1	679.1	682.1	679.1	675.1	671.1
10°	679.1	681.1	686.1	693.1	701.2	703.2	707.2	710.2	708.2	705.2	701.2
12.5°	682.1	688.1	693.1	703.2	714.2	722.2	727.2	730.2	730.2	729.2	727.2
15°	684.1	688.1	693.1	706.2	721.2	732.2	742.2	746.2	746.2	750.2	755.2
17.5°	684.1	685.1	693.1	708.2	722.2	735.2	753.2	767.2	772.2	778.2	785.2
20°	682.1	680.1	687.1	699.1	714.2	729.2	753.2	773.2	793.2	813.2	829.2
22.5°	678.1	675.1	676.1	682.1	700.2	717.2	746.2	778.2	814.2	845.2	865.2
25°	674.1	669.1	662.1	663.1	678.1	694.1	730.2	776.2	818.2	853.2	883.2
27.5°	664.1	660.1	647.1	643.1	646.1	667.1	707.2	764.2	814.2	857.2	892.2
30°	651.1	645.1	629.1	619.1	615.1	633.1	675.1	736.2	798.2	851.2	898.2
32.5°	635.1	627.1	608.1	595.1	590.1	603.1	644.1	698.1	762.2	830.2	890.2
35°	621.1	610.1	588.1	569.1	563.1	576.1	613.1	656.1	716.2	791.2	862.2
37.5°	609.1	594.1	567.1	545.1	540.1	555.1	584.1	619.1	672.1	743.2	824.2
40°	596.1	582.1	547.1	523.1	522.1	533.1	557.1	590.1	638.1	699.1	779.2
42.5°	584.1	567.1	528.1	506.1	505.1	515.1	533.1	563.1	608.1	661.1	733.2
45°	573.1	551.1	511.1	492.1	490.1	498.1	514.1	537.1	580.1	625.1	689.1
47.5°	559.1	534.1	493.1	477.1	478.1	482.1	496.1	516.1	552.1	592.1	652.1
50°	541.1	513.1	476.1	461.1	462.1	470.1	480.1	500.1	527.1	562.1	614.1
52.5°	517.1	489.1	456.1	445.1	446.1	454.1	466.1	481.1	503.1	531.1	575.1
55°	493.1	462.1	436.1	429.1	432.1	437.1	450.1	466.1	481.1	501.1	540.1
57.5°	464.1	434.1	414.1	408.1	411.1	417.1	432.1	446.1	459.1	472.1	507.1
60°	426.1	404.1	389.1	386.1	391.1	396.1	409.1	422.1	433.1	444.1	472.1
62.5°	389.1	370.1	359.1	360.1	362.1	372.1	383.1	393.1	404.1	415.1	436.1
65°	346.1	331.1	324.1	327.1	331.1	339.1	348.1	359.1	369.1	380.1	396.1
67.5°	306.1	294.1	288.1	290.1	293.1	300.1	308.1	317.1	326.1	338.1	353.1
70°	261.1	252.1	247.1	249.1	252.1	261.1	268.1	274.1	284.1	294.1	306.1
72.5°	215.0	208.0	204.0	206.0	211.0	219.0	226.0	232.0	241.1	248.1	262.1
75°	170.0	165.0	162.0	165.0	169.0	177.0	184.0	189.0	195.0	202.0	215.0
77.5°	130.0	123.0	122.0	124.0	129.0	135.0	141.0	145.0	151.0	156.0	166.0
80°	85.0	85.0	84.0	86.0	89.0	95.0	100.0	102.0	107.0	111.0	119.0
82.5°	53.0	51.0	50.0	52.0	54.0	58.0	62.0	63.0	67.0	70.0	75.0
85°	24.0	23.0	23.0	24.0	25.0	28.0	30.0	31.0	33.0	35.0	38.0
87.5°	5.0	5.0	4.0	5.0	6.0	6.0	8.0	8.0	9.0	10.0	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: P200910

CATALOG NUMBER: WKP3BLEDEDFC

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	592.1	589.1	581.1	575.1	575.1	575.1	571.1	565.1	558.1	552.1	547.1
5°	632.1	626.1	613.1	604.1	600.1	596.1	587.1	574.1	561.1	550.1	541.1
7.5°	666.1	660.1	644.1	632.1	625.1	620.1	605.1	589.1	570.1	555.1	540.1
10°	696.1	690.1	675.1	664.1	658.1	650.1	633.1	613.1	591.1	570.1	549.1
12.5°	725.2	720.2	709.2	702.2	694.1	687.1	668.1	643.1	617.1	594.1	565.1
15°	756.2	758.2	751.2	747.2	740.2	730.2	707.2	675.1	646.1	615.1	581.1
17.5°	795.2	805.2	804.2	804.2	796.2	783.2	755.2	716.2	682.1	637.1	596.1
20°	845.2	858.2	859.2	858.2	852.2	833.2	798.2	753.2	712.2	661.1	610.1
22.5°	881.2	895.2	901.2	905.2	898.2	874.2	836.2	788.2	733.2	677.1	617.1
25°	905.2	925.2	937.2	943.2	936.2	915.2	874.2	817.2	755.2	691.1	621.1
27.5°	921.2	950.2	966.2	976.2	970.2	949.2	898.2	836.2	769.2	696.1	620.1
30°	932.2	966.2	989.2	1003.2	999.2	974.2	917.2	854.2	777.2	695.1	613.1
32.5°	934.2	976.2	1005.2	1022.2	1020.2	995.2	937.2	862.2	781.2	692.1	601.1
35°	925.2	972.2	1010.2	1037.2	1034.2	1009.2	947.2	868.2	779.2	680.1	584.1
37.5°	900.2	965.2	1009.2	1038.2	1039.2	1018.2	958.2	866.2	767.2	664.1	567.1
40°	857.2	939.2	997.2	1034.2	1044.2	1027.2	960.2	861.2	755.2	646.1	547.1
42.5°	815.2	902.2	978.2	1029.2	1039.2	1022.2	955.2	852.2	735.2	621.1	525.1
45°	764.2	855.2	946.2	1007.2	1025.2	1011.2	947.2	833.2	712.2	596.1	501.1
47.5°	715.2	808.2	898.2	975.2	1001.2	984.2	921.2	806.2	681.1	564.1	476.1
50°	670.1	756.2	852.2	923.2	953.2	938.2	876.2	767.2	642.1	528.1	442.1
52.5°	634.1	701.2	795.2	862.2	899.2	884.2	824.2	718.2	591.1	483.1	402.1
55°	592.1	653.1	734.2	803.2	835.2	824.2	761.2	656.1	531.1	432.1	355.1
57.5°	552.1	605.1	671.1	739.2	755.2	740.2	672.1	576.1	461.1	371.1	303.1
60°	510.1	558.1	610.1	659.1	669.1	637.1	580.1	488.1	382.1	302.1	247.1
62.5°	469.1	508.1	550.1	586.1	594.1	565.1	510.1	425.1	322.1	245.1	196.0
65°	425.1	459.1	491.1	519.1	530.1	504.1	451.1	369.1	275.1	205.0	159.0
67.5°	379.1	408.1	435.1	456.1	469.1	446.1	397.1	322.1	233.0	170.0	130.0
70°	328.1	353.1	376.1	395.1	404.1	387.1	343.1	273.1	193.0	139.0	105.0
72.5°	277.1	296.1	314.1	330.1	337.1	326.1	288.1	226.0	156.0	111.0	83.0
75°	225.0	239.1	252.1	264.1	269.1	261.1	229.0	179.0	122.0	85.0	64.0
77.5°	174.0	183.0	191.0	199.0	202.0	197.0	172.0	135.0	92.0	63.0	47.0
80°	124.0	129.0	134.0	139.0	140.0	137.0	119.0	93.0	63.0	42.0	31.0
82.5°	78.0	81.0	82.0	86.0	85.0	84.0	73.0	57.0	37.0	25.0	18.0
85°	40.0	41.0	41.0	42.0	42.0	42.0	36.0	27.0	17.0	10.0	7.0
87.5°	12.0	13.0	12.0	13.0	12.0	13.0	10.0	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: P200910

CATALOG NUMBER: WKP3BLEDEDFC

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	542.1	533.1	527.1	521.1	514.1	507.1	502.1	499.1	495.1	493.1	487.1
5°	527.1	512.1	499.1	488.1	477.1	467.1	457.1	448.1	438.1	436.1	427.1
7.5°	520.1	498.1	480.1	461.1	444.1	429.1	414.1	401.1	388.1	378.1	368.1
10°	522.1	494.1	470.1	444.1	421.1	398.1	379.1	361.1	345.1	331.1	318.1
12.5°	532.1	495.1	463.1	431.1	401.1	374.1	350.1	328.1	310.1	295.1	281.1
15°	540.1	498.1	459.1	424.1	386.1	355.1	329.1	304.1	284.1	267.1	252.1
17.5°	547.1	497.1	453.1	412.1	373.1	340.1	312.1	285.1	263.1	245.1	228.0
20°	552.1	497.1	444.1	400.1	360.1	324.1	296.1	270.1	245.1	226.0	206.0
22.5°	553.1	492.1	434.1	389.1	348.1	311.1	281.1	254.1	229.0	207.0	188.0
25°	547.1	482.1	425.1	377.1	336.1	300.1	267.1	239.1	213.0	190.0	169.0
27.5°	541.1	471.1	415.1	367.1	325.1	287.1	253.1	222.0	196.0	172.0	149.0
30°	528.1	458.1	404.1	355.1	312.1	273.1	236.1	203.0	172.0	148.0	127.0
32.5°	515.1	445.1	392.1	343.1	296.1	252.1	212.0	176.0	147.0	125.0	108.0
35°	502.1	434.1	379.1	324.1	274.1	224.0	183.0	149.0	124.0	105.0	92.0
37.5°	485.1	419.1	362.1	304.1	246.1	195.0	155.0	126.0	105.0	89.0	77.0
40°	467.1	401.1	339.1	274.1	214.0	165.0	132.0	106.0	88.0	75.0	66.0
42.5°	448.1	381.1	315.1	244.1	183.0	142.0	111.0	90.0	75.0	64.0	56.0
45°	424.1	355.1	280.1	211.0	158.0	122.0	94.0	76.0	63.0	56.0	50.0
47.5°	398.1	322.1	245.1	182.0	136.0	103.0	79.0	64.0	56.0	51.0	46.0
50°	364.1	285.1	211.0	156.0	115.0	87.0	67.0	57.0	51.0	47.0	43.0
52.5°	324.1	248.1	178.0	132.0	97.0	73.0	59.0	52.0	47.0	43.0	40.0
55°	281.1	209.0	151.0	111.0	81.0	62.0	53.0	47.0	43.0	40.0	37.0
57.5°	237.1	171.0	127.0	93.0	67.0	54.0	47.0	43.0	40.0	37.0	34.0
60°	193.0	139.0	105.0	77.0	56.0	47.0	42.0	39.0	36.0	34.0	31.0
62.5°	154.0	114.0	86.0	63.0	48.0	42.0	38.0	35.0	33.0	30.0	28.0
65°	122.0	94.0	70.0	52.0	41.0	37.0	33.0	31.0	29.0	27.0	25.0
67.5°	98.0	77.0	57.0	42.0	35.0	31.0	29.0	26.0	25.0	23.0	21.0
70°	79.0	62.0	46.0	35.0	30.0	26.0	24.0	22.0	20.0	19.0	18.0
72.5°	62.0	49.0	36.0	28.0	23.0	21.0	19.0	17.0	16.0	15.0	14.0
75°	48.0	37.0	27.0	21.0	17.0	16.0	14.0	13.0	13.0	12.0	11.0
77.5°	35.0	26.0	18.0	14.0	12.0	11.0	10.0	10.0	9.0	8.0	8.0
80°	23.0	16.0	12.0	9.0	8.0	7.0	6.0	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	0.0	0.0	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: P200910

CATALOG NUMBER: WKP3BLEDEDFC

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	548.1	548.1	548.1	548.1
2.5°	487.1	487.1	484.1	486.1
5°	425.1	422.1	419.1	420.1
7.5°	364.1	361.1	358.1	357.1
10°	311.1	306.1	304.1	306.1
12.5°	271.1	265.1	264.1	265.1
15°	242.1	234.1	232.0	234.1
17.5°	217.0	207.0	206.0	206.0
20°	194.0	184.0	181.0	180.0
22.5°	173.0	162.0	158.0	158.0
25°	154.0	143.0	137.0	137.0
27.5°	134.0	123.0	118.0	116.0
30°	113.0	103.0	99.0	98.0
32.5°	96.0	88.0	84.0	84.0
35°	81.0	75.0	72.0	71.0
37.5°	69.0	63.0	61.0	60.0
40°	58.0	54.0	52.0	52.0
42.5°	51.0	48.0	47.0	47.0
45°	47.0	44.0	43.0	42.0
47.5°	43.0	41.0	40.0	39.0
50°	40.0	38.0	37.0	36.0
52.5°	37.0	35.0	34.0	33.0
55°	35.0	33.0	32.0	31.0
57.5°	32.0	30.0	29.0	29.0
60°	30.0	28.0	27.0	27.0
62.5°	27.0	25.0	24.0	24.0
65°	23.0	22.0	21.0	21.0
67.5°	20.0	19.0	18.0	18.0
70°	17.0	16.0	15.0	15.0
72.5°	14.0	13.0	13.0	12.0
75°	11.0	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)