

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: PORTFOLIO

Report Number: P244963

Luminaire Tested: **LSR8B15D010 EC8B15835 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15835 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1531.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

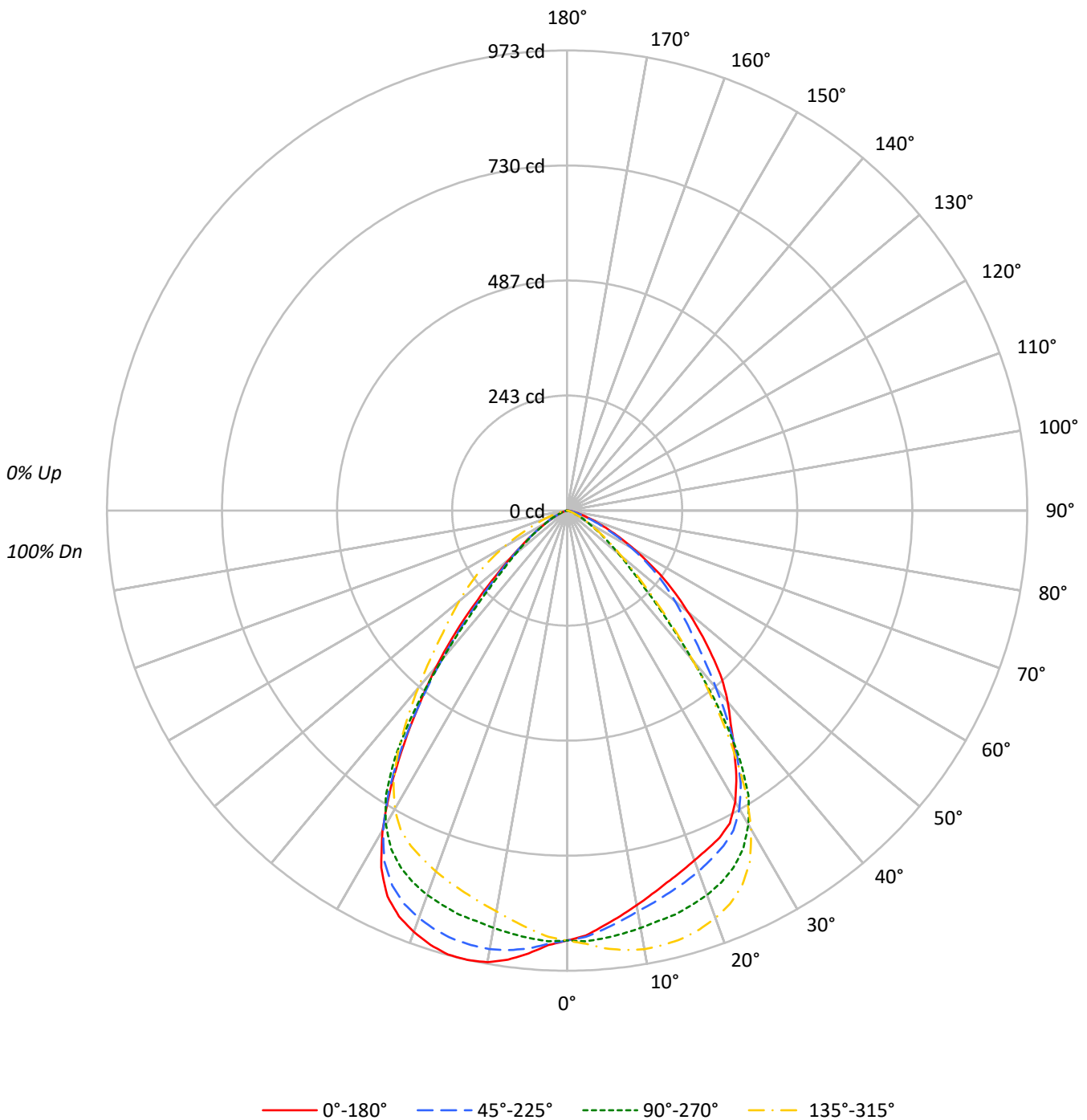
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28027	28027	28027	28027
5°	27283	28094	29097	28094
10°	26528	28056	30363	28056
15°	25999	28224	31027	28224
20°	25822	28385	31109	28385
25°	25957	28328	30608	28328
30°	25316	27289	27780	27289
35°	23155	23806	22587	23806
40°	21258	16560	17293	16560
45°	18891	10104	11692	10104
50°	15989	6750	7493	6750
55°	13241	4607	4865	4607
60°	10102	3065	3090	3065
65°	7158	1912	1751	1912
70°	5157	1280	1163	1280
75°	3276	631	524	631
80°	2291	479	391	479
85°	2052	0	142	0



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	5.7
10°-20°	250.5	16.4
20°-30°	379.3	24.8
30°-40°	380.2	24.8
40°-50°	238.7	15.6
50°-60°	127.2	8.3
60°-70°	52.3	3.4
70°-80°	13.8	0.9
80°-90°	2.3	0.2
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°-30°	716.4	46.8
0°-40°	1096.6	71.6
0°-60°	1462.5	95.5
0°-90°	1531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	909	909	909	909	909	
5°	881	908	940	908	881	83
15°	814	884	972	884	814	230
25°	763	833	900	833	763	350
35°	615	632	600	632	615	385
45°	433	232	268	232	433	333
55°	246	86	90	86	246	220
65°	98	26	24	26	98	102
75°	28	5	4	5	28	31
85°	6	0	0	0	6	6
90°	0	0	0	0	0	



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	899.6	898.7	898.3	899.2	899.6	901.4	900.9	901.8	901.8	902.3	903.1
5°	881.4	880.9	881.4	881.4	883.2	884.9	884.5	885.8	886.7	888.9	889.8
7.5°	864.5	864.5	864.1	865.9	866.7	869.4	869.0	871.2	872.5	874.7	877.8
10°	847.2	847.2	847.7	849.0	849.4	853.4	853.4	856.5	858.3	860.5	864.5
12.5°	830.4	830.4	833.0	832.1	833.9	837.0	838.3	841.4	844.1	848.6	852.6
15°	814.4	814.4	815.3	817.5	818.8	822.8	825.0	828.6	831.7	836.1	841.9
17.5°	800.6	800.2	800.6	803.3	806.0	809.5	811.3	815.7	818.8	824.6	829.9
20°	786.9	787.8	787.8	790.0	791.7	796.2	798.0	802.8	806.4	811.7	817.9
22.5°	774.9	774.4	774.4	777.5	778.9	782.9	784.6	789.1	793.1	797.5	803.3
25°	762.9	762.0	763.8	764.2	765.1	769.5	770.9	774.0	778.0	782.0	787.8
27.5°	745.1	744.3	744.7	746.5	747.8	751.4	752.2	755.4	758.5	762.0	766.9
30°	711.0	710.1	709.6	712.8	714.1	716.7	718.1	723.4	724.3	728.3	731.8
32.5°	665.7	665.3	666.2	668.8	670.1	673.7	675.5	678.6	680.8	683.0	686.6
35°	615.1	614.2	615.1	617.8	617.8	620.9	622.2	623.5	623.1	623.5	622.7
37.5°	568.1	567.6	568.1	569.4	568.1	569.4	568.1	565.4	560.5	555.2	549.9
40°	528.1	528.6	525.9	527.7	522.8	521.9	517.0	510.4	500.6	490.0	474.9
42.5°	485.5	484.2	482.4	483.3	479.3	476.2	468.2	459.8	447.3	429.6	411.4
45°	433.2	432.7	431.8	431.4	428.7	425.6	418.9	409.2	395.4	377.2	355.5
47.5°	382.1	380.8	380.8	381.2	378.1	377.7	372.3	363.9	351.9	334.2	311.5
50°	333.3	332.8	333.7	335.5	333.3	332.4	328.9	323.1	312.4	297.4	276.0
52.5°	289.4	288.9	289.8	292.0	291.1	292.0	288.5	284.0	276.9	262.3	243.6
55°	246.3	246.3	246.3	249.0	249.0	249.0	247.2	244.5	237.9	227.2	209.9
57.5°	201.5	201.9	204.6	205.0	204.6	205.5	205.0	202.4	197.9	190.4	177.1
60°	163.8	163.8	165.1	166.4	166.0	166.4	166.4	165.1	160.7	154.4	143.8
62.5°	129.6	130.9	130.0	130.9	132.7	130.9	130.0	129.1	126.0	122.0	113.2
65°	98.1	99.0	99.0	99.4	98.5	99.0	97.2	95.9	94.1	89.7	83.9
67.5°	74.6	74.6	74.6	74.6	74.1	73.7	73.2	71.9	68.8	67.0	60.8
70°	57.2	54.6	54.6	54.6	54.6	55.0	53.7	51.9	51.0	47.9	43.5
72.5°	38.2	39.1	38.2	38.2	37.3	37.7	35.9	35.1	34.2	32.4	29.7
75°	27.5	25.3	26.2	26.6	25.3	26.2	24.4	22.6	22.6	21.3	20.0
77.5°	17.8	17.3	17.8	18.2	17.8	17.3	16.4	15.5	15.5	15.1	13.8
80°	12.9	12.4	12.4	12.4	12.0	12.4	11.5	11.5	10.6	10.2	9.3
82.5°	8.4	8.4	8.0	8.4	8.0	8.4	7.1	7.1	7.1	6.6	5.8
85°	5.8	4.9	4.9	5.3	4.4	5.3	4.9	4.4	4.0	4.0	3.5
87.5°	2.7	3.1	2.7	3.1	2.7	2.7	3.1	2.7	2.7	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	904.5	904.9	904.9	906.7	907.6	908.0	908.0	911.6	910.2	911.1	912.0
5°	891.6	894.3	895.2	895.2	900.0	901.8	903.6	907.6	908.0	910.7	913.8
7.5°	879.2	882.3	884.1	888.0	891.2	894.3	899.6	902.3	904.9	908.5	912.5
10°	867.2	870.7	874.3	877.4	882.3	886.3	889.8	896.0	899.2	904.0	909.3
12.5°	855.7	860.5	863.6	869.0	874.3	877.8	883.2	888.9	893.8	898.7	904.9
15°	845.4	851.2	854.8	860.5	866.3	871.2	877.0	884.1	887.6	893.4	899.2
17.5°	834.3	840.6	845.0	850.3	857.4	862.7	867.6	874.7	879.2	885.4	892.0
20°	822.8	829.0	834.3	839.7	846.8	852.1	857.9	865.0	869.9	876.1	881.4
22.5°	809.1	814.8	820.6	826.8	833.9	838.3	845.0	851.2	856.5	862.3	867.6
25°	791.3	798.4	802.8	808.6	814.4	819.3	826.4	832.6	837.0	842.3	847.2
27.5°	770.4	775.8	779.3	784.2	790.0	794.4	799.7	806.0	810.4	815.3	818.8
30°	734.9	739.8	742.9	746.5	752.2	756.2	760.7	766.4	769.5	773.1	776.2
32.5°	688.3	692.3	694.1	696.8	700.8	704.8	708.3	713.2	714.5	716.7	716.7
35°	620.9	621.8	621.3	622.2	624.0	626.2	629.3	632.4	634.2	634.2	632.9
37.5°	541.9	536.6	530.8	526.4	525.0	524.1	525.9	527.2	529.0	529.9	527.7
40°	459.8	447.8	434.9	423.4	415.4	411.9	410.5	411.4	411.4	414.5	414.5
42.5°	389.2	370.6	351.5	334.2	322.6	313.8	309.8	309.8	310.2	312.4	313.8
45°	330.6	307.1	284.9	265.8	249.9	238.3	233.0	231.7	231.2	232.1	235.2
47.5°	285.8	261.4	238.3	214.8	197.9	186.4	181.5	179.7	178.0	179.7	180.2
50°	250.8	225.5	201.0	177.5	159.8	149.6	143.3	140.7	140.2	140.2	141.1
52.5°	218.8	195.3	170.9	146.9	128.3	118.5	112.7	111.4	109.6	111.4	111.4
55°	188.6	165.1	141.1	118.5	103.0	92.8	87.4	85.7	84.8	86.1	86.1
57.5°	155.8	135.8	113.6	93.2	77.7	70.6	66.6	64.4	63.9	64.8	63.9
60°	127.8	111.0	91.9	73.2	61.3	53.7	50.6	49.7	48.8	49.7	49.7
62.5°	101.2	87.0	71.4	57.2	47.0	41.7	38.2	38.2	37.7	37.7	38.2
65°	75.0	63.9	52.8	40.8	32.8	28.8	26.2	26.2	25.7	26.2	25.7
67.5°	54.6	47.0	38.2	29.7	23.5	21.3	19.5	18.2	19.1	18.2	17.8
70°	40.0	33.7	27.5	22.6	18.2	16.0	14.7	14.2	13.3	13.3	13.3
72.5°	26.6	22.6	18.6	14.7	12.0	9.8	9.3	8.4	7.5	8.0	8.9
75°	17.8	15.1	13.3	10.6	8.0	8.0	5.3	5.3	4.4	5.3	4.0
77.5°	12.4	10.2	8.0	6.6	5.3	4.9	3.5	3.5	3.1	3.1	3.1
80°	8.9	7.5	5.8	4.9	3.5	3.5	3.1	2.7	2.2	2.2	2.7
82.5°	5.3	4.0	4.0	3.5	2.2	1.8	1.3	1.8	0.9	0.9	0.9
85°	3.1	2.7	2.2	1.3	0.9	0.9	0.4	0.0	0.4	0.4	0.0
87.5°	1.8	0.9	0.9	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	914.2	913.8	914.7	914.7	917.3	916.9	918.2	918.2	917.3	917.8	919.6
5°	917.3	918.7	921.3	923.6	927.5	929.3	931.5	933.8	934.2	935.5	936.9
7.5°	917.3	921.8	924.9	928.9	934.2	937.3	942.2	946.2	948.0	950.2	952.8
10°	915.6	920.0	925.8	930.2	936.9	941.8	946.6	952.8	955.5	959.0	962.6
12.5°	912.0	916.9	923.1	928.9	936.4	940.9	947.1	952.8	956.8	961.7	965.7
15°	906.7	912.5	918.2	924.0	932.0	937.3	943.1	949.7	953.7	959.0	962.6
17.5°	898.3	904.5	909.8	915.1	922.7	928.9	934.2	940.4	944.4	948.9	953.7
20°	888.0	893.8	899.6	904.0	911.6	916.9	922.7	928.4	931.5	932.4	940.0
22.5°	875.2	879.2	883.6	890.7	895.2	900.0	905.4	910.7	913.8	918.7	921.3
25°	853.9	857.9	862.7	865.9	871.2	875.2	880.5	886.3	888.0	891.6	894.3
27.5°	824.1	826.4	828.6	831.2	834.3	836.6	839.7	842.3	844.1	845.9	847.7
30°	777.1	777.1	777.1	775.3	776.7	778.0	778.4	778.0	778.0	777.5	777.5
32.5°	715.0	711.4	707.4	703.9	702.5	700.8	699.9	698.5	696.3	695.0	695.4
35°	631.1	623.1	618.2	613.8	610.2	607.6	606.2	604.9	604.5	602.7	600.9
37.5°	526.4	520.6	517.0	514.4	511.3	508.6	509.0	509.5	510.8	509.9	510.4
40°	415.4	414.1	415.4	412.3	411.4	412.3	414.5	417.6	419.4	421.2	424.3
42.5°	316.0	318.2	321.3	321.3	322.6	324.4	327.1	332.0	334.6	337.7	341.3
45°	237.9	240.5	244.5	245.9	246.8	249.0	252.1	256.1	257.8	260.5	263.6
47.5°	183.3	185.1	187.3	189.5	191.7	192.6	195.7	195.7	197.9	199.7	200.6
50°	142.9	144.7	146.4	147.8	148.7	150.0	150.9	152.2	152.7	153.6	154.0
52.5°	111.8	114.1	114.1	114.9	116.3	117.6	117.2	117.6	118.0	118.0	119.4
55°	87.4	87.4	88.8	88.8	89.7	89.2	89.7	89.7	89.7	89.7	90.1
57.5°	65.2	65.7	67.0	66.1	65.7	66.6	65.7	66.6	66.1	67.0	65.7
60°	50.1	50.1	50.6	50.6	51.0	51.0	51.0	50.6	50.6	50.1	50.1
62.5°	37.7	38.2	38.6	38.2	38.2	38.2	37.7	37.7	37.3	36.8	36.8
65°	25.3	24.9	25.7	24.9	25.3	25.3	24.9	25.3	24.0	24.4	24.0
67.5°	18.2	17.8	17.3	17.8	17.3	16.9	16.9	17.3	17.8	16.4	16.4
70°	12.0	12.4	12.0	12.4	12.9	12.9	12.4	12.0	12.4	11.5	12.0
72.5°	7.5	7.5	7.5	7.5	7.5	8.0	8.0	8.0	7.1	7.1	6.6
75°	3.5	4.9	4.0	3.5	4.9	4.9	4.4	4.4	4.0	4.0	4.0
77.5°	3.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.2	2.7	2.2
80°	1.8	1.8	1.8	1.3	1.8	1.8	2.2	1.8	1.8	1.3	2.2
82.5°	0.9	0.9	0.9	0.0	0.4	0.9	0.9	0.4	0.9	0.9	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	919.1	918.7	919.1	919.6	919.1	918.7	919.1	919.6	917.8	917.3	918.2
5°	938.6	938.6	939.5	940.0	939.5	938.6	938.6	936.9	935.5	934.2	933.8
7.5°	955.5	956.4	957.3	957.7	957.3	956.4	955.5	952.8	950.2	948.0	946.2
10°	965.7	967.1	968.8	969.7	968.8	967.1	965.7	962.6	959.0	955.5	952.8
12.5°	970.2	971.5	973.7	973.3	973.7	971.5	970.2	965.7	961.7	956.8	952.8
15°	967.1	968.8	971.0	971.9	971.0	968.8	967.1	962.6	959.0	953.7	949.7
17.5°	957.3	959.9	961.3	962.6	961.3	959.9	957.3	953.7	948.9	944.4	940.4
20°	944.0	945.8	947.5	948.0	947.5	945.8	944.0	940.0	932.4	931.5	928.4
22.5°	924.9	926.2	930.2	928.9	930.2	926.2	924.9	921.3	918.7	913.8	910.7
25°	897.4	898.7	899.2	899.6	899.2	898.7	897.4	894.3	891.6	888.0	886.3
27.5°	849.9	849.9	850.8	851.2	850.8	849.9	849.9	847.7	845.9	844.1	842.3
30°	778.0	778.0	778.0	780.2	778.0	778.0	778.0	777.5	777.5	778.0	778.0
32.5°	695.0	694.1	693.2	694.1	693.2	694.1	695.0	695.4	695.0	696.3	698.5
35°	600.9	600.5	601.8	600.0	601.8	600.5	600.9	600.9	602.7	604.5	604.9
37.5°	510.8	509.9	511.7	509.9	511.7	509.9	510.8	510.4	509.9	510.8	509.5
40°	425.2	426.0	426.0	429.6	426.0	426.0	425.2	424.3	421.2	419.4	417.6
42.5°	343.1	345.7	344.8	347.5	344.8	345.7	343.1	341.3	337.7	334.6	332.0
45°	265.4	267.2	267.2	268.1	267.2	267.2	265.4	263.6	260.5	257.8	256.1
47.5°	203.7	203.7	203.7	204.2	203.7	203.7	203.7	200.6	199.7	197.9	195.7
50°	154.9	155.3	155.8	156.2	155.8	155.3	154.9	154.0	153.6	152.7	152.2
52.5°	118.9	119.4	118.5	119.4	118.5	119.4	118.9	119.4	118.0	118.0	117.6
55°	90.1	89.7	90.1	90.5	90.1	89.7	90.1	90.1	89.7	89.7	89.7
57.5°	66.1	65.2	65.2	65.2	65.2	65.2	66.1	65.7	67.0	66.1	66.6
60°	49.3	49.7	49.7	50.1	49.7	49.7	49.3	50.1	50.1	50.6	50.6
62.5°	36.4	37.7	36.8	37.7	36.8	37.7	36.4	36.8	36.8	37.3	37.7
65°	23.5	23.5	23.5	24.0	23.5	23.5	23.5	24.0	24.4	24.0	25.3
67.5°	16.0	16.4	17.3	16.9	17.3	16.4	16.0	16.4	16.4	17.8	17.3
70°	12.9	11.5	11.5	12.9	11.5	11.5	12.9	12.0	11.5	12.4	12.0
72.5°	7.5	6.6	7.5	7.5	7.5	6.6	7.5	6.6	7.1	7.1	8.0
75°	4.0	3.5	3.1	4.4	3.1	3.5	4.0	4.0	4.0	4.0	4.4
77.5°	2.7	2.2	3.1	3.1	3.1	2.2	2.7	2.2	2.7	2.2	2.7
80°	1.3	1.8	1.3	2.2	1.3	1.8	1.3	2.2	1.3	1.8	1.8
82.5°	0.4	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.9	0.9	0.4
85°	0.0	0.9	0.4	0.4	0.4	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	918.2	916.9	917.3	914.7	914.7	913.8	914.2	912.0	911.1	910.2	911.6
5°	931.5	929.3	927.5	923.6	921.3	918.7	917.3	913.8	910.7	908.0	907.6
7.5°	942.2	937.3	934.2	928.9	924.9	921.8	917.3	912.5	908.5	904.9	902.3
10°	946.6	941.8	936.9	930.2	925.8	920.0	915.6	909.3	904.0	899.2	896.0
12.5°	947.1	940.9	936.4	928.9	923.1	916.9	912.0	904.9	898.7	893.8	888.9
15°	943.1	937.3	932.0	924.0	918.2	912.5	906.7	899.2	893.4	887.6	884.1
17.5°	934.2	928.9	922.7	915.1	909.8	904.5	898.3	892.0	885.4	879.2	874.7
20°	922.7	916.9	911.6	904.0	899.6	893.8	888.0	881.4	876.1	869.9	865.0
22.5°	905.4	900.0	895.2	890.7	883.6	879.2	875.2	867.6	862.3	856.5	851.2
25°	880.5	875.2	871.2	865.9	862.7	857.9	853.9	847.2	842.3	837.0	832.6
27.5°	839.7	836.6	834.3	831.2	828.6	826.4	824.1	818.8	815.3	810.4	806.0
30°	778.4	778.0	776.7	775.3	777.1	777.1	777.1	776.2	773.1	769.5	766.4
32.5°	699.9	700.8	702.5	703.9	707.4	711.4	715.0	716.7	716.7	714.5	713.2
35°	606.2	607.6	610.2	613.8	618.2	623.1	631.1	632.9	634.2	634.2	632.4
37.5°	509.0	508.6	511.3	514.4	517.0	520.6	526.4	527.7	529.9	529.0	527.2
40°	414.5	412.3	411.4	412.3	415.4	414.1	415.4	414.5	414.5	411.4	411.4
42.5°	327.1	324.4	322.6	321.3	321.3	318.2	316.0	313.8	312.4	310.2	309.8
45°	252.1	249.0	246.8	245.9	244.5	240.5	237.9	235.2	232.1	231.2	231.7
47.5°	195.7	192.6	191.7	189.5	187.3	185.1	183.3	180.2	179.7	178.0	179.7
50°	150.9	150.0	148.7	147.8	146.4	144.7	142.9	141.1	140.2	140.2	140.7
52.5°	117.2	117.6	116.3	114.9	114.1	114.1	111.8	111.4	111.4	109.6	111.4
55°	89.7	89.2	89.7	88.8	88.8	87.4	87.4	86.1	86.1	84.8	85.7
57.5°	65.7	66.6	65.7	66.1	67.0	65.7	65.2	63.9	64.8	63.9	64.4
60°	51.0	51.0	51.0	50.6	50.6	50.1	50.1	49.7	49.7	48.8	49.7
62.5°	37.7	38.2	38.2	38.2	38.6	38.2	37.7	38.2	37.7	37.7	38.2
65°	24.9	25.3	25.3	24.9	25.7	24.9	25.3	25.7	26.2	25.7	26.2
67.5°	16.9	16.9	17.3	17.8	17.3	17.8	18.2	17.8	18.2	19.1	18.2
70°	12.4	12.9	12.9	12.4	12.0	12.4	12.0	13.3	13.3	13.3	14.2
72.5°	8.0	8.0	7.5	7.5	7.5	7.5	7.5	8.9	8.0	7.5	8.4
75°	4.4	4.9	4.9	3.5	4.0	4.9	3.5	4.0	5.3	4.4	5.3
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.5	3.1	3.1	3.1	3.5
80°	2.2	1.8	1.8	1.3	1.8	1.8	1.8	2.7	2.2	2.2	2.7
82.5°	0.9	0.9	0.4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	908.0	908.0	907.6	906.7	904.9	904.9	904.5	903.1	902.3	901.8	901.8
5°	903.6	901.8	900.0	895.2	895.2	894.3	891.6	889.8	888.9	886.7	885.8
7.5°	899.6	894.3	891.2	888.0	884.1	882.3	879.2	877.8	874.7	872.5	871.2
10°	889.8	886.3	882.3	877.4	874.3	870.7	867.2	864.5	860.5	858.3	856.5
12.5°	883.2	877.8	874.3	869.0	863.6	860.5	855.7	852.6	848.6	844.1	841.4
15°	877.0	871.2	866.3	860.5	854.8	851.2	845.4	841.9	836.1	831.7	828.6
17.5°	867.6	862.7	857.4	850.3	845.0	840.6	834.3	829.9	824.6	818.8	815.7
20°	857.9	852.1	846.8	839.7	834.3	829.0	822.8	817.9	811.7	806.4	802.8
22.5°	845.0	838.3	833.9	826.8	820.6	814.8	809.1	803.3	797.5	793.1	789.1
25°	826.4	819.3	814.4	808.6	802.8	798.4	791.3	787.8	782.0	778.0	774.0
27.5°	799.7	794.4	790.0	784.2	779.3	775.8	770.4	766.9	762.0	758.5	755.4
30°	760.7	756.2	752.2	746.5	742.9	739.8	734.9	731.8	728.3	724.3	723.4
32.5°	708.3	704.8	700.8	696.8	694.1	692.3	688.3	686.6	683.0	680.8	678.6
35°	629.3	626.2	624.0	622.2	621.3	621.8	620.9	622.7	623.5	623.1	623.5
37.5°	525.9	524.1	525.0	526.4	530.8	536.6	541.9	549.9	555.2	560.5	565.4
40°	410.5	411.9	415.4	423.4	434.9	447.8	459.8	474.9	490.0	500.6	510.4
42.5°	309.8	313.8	322.6	334.2	351.5	370.6	389.2	411.4	429.6	447.3	459.8
45°	233.0	238.3	249.9	265.8	284.9	307.1	330.6	355.5	377.2	395.4	409.2
47.5°	181.5	186.4	197.9	214.8	238.3	261.4	285.8	311.5	334.2	351.9	363.9
50°	143.3	149.6	159.8	177.5	201.0	225.5	250.8	276.0	297.4	312.4	323.1
52.5°	112.7	118.5	128.3	146.9	170.9	195.3	218.8	243.6	262.3	276.9	284.0
55°	87.4	92.8	103.0	118.5	141.1	165.1	188.6	209.9	227.2	237.9	244.5
57.5°	66.6	70.6	77.7	93.2	113.6	135.8	155.8	177.1	190.4	197.9	202.4
60°	50.6	53.7	61.3	73.2	91.9	111.0	127.8	143.8	154.4	160.7	165.1
62.5°	38.2	41.7	47.0	57.2	71.4	87.0	101.2	113.2	122.0	126.0	129.1
65°	26.2	28.8	32.8	40.8	52.8	63.9	75.0	83.9	89.7	94.1	95.9
67.5°	19.5	21.3	23.5	29.7	38.2	47.0	54.6	60.8	67.0	68.8	71.9
70°	14.7	16.0	18.2	22.6	27.5	33.7	40.0	43.5	47.9	51.0	51.9
72.5°	9.3	9.8	12.0	14.7	18.6	22.6	26.6	29.7	32.4	34.2	35.1
75°	5.3	8.0	8.0	10.6	13.3	15.1	17.8	20.0	21.3	22.6	22.6
77.5°	3.5	4.9	5.3	6.6	8.0	10.2	12.4	13.8	15.1	15.5	15.5
80°	3.1	3.5	3.5	4.9	5.8	7.5	8.9	9.3	10.2	10.6	11.5
82.5°	1.3	1.8	2.2	3.5	4.0	4.0	5.3	5.8	6.6	7.1	7.1
85°	0.4	0.9	0.9	1.3	2.2	2.7	3.1	3.5	4.0	4.0	4.4
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.8	1.8	1.8	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244963

CATALOG NUMBER: LSR8B15D010 EC8B15835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	900.9	901.4	899.6	899.2	898.3	898.7	899.6
5°	884.5	884.9	883.2	881.4	881.4	880.9	881.4
7.5°	869.0	869.4	866.7	865.9	864.1	864.5	864.5
10°	853.4	853.4	849.4	849.0	847.7	847.2	847.2
12.5°	838.3	837.0	833.9	832.1	833.0	830.4	830.4
15°	825.0	822.8	818.8	817.5	815.3	814.4	814.4
17.5°	811.3	809.5	806.0	803.3	800.6	800.2	800.6
20°	798.0	796.2	791.7	790.0	787.8	787.8	786.9
22.5°	784.6	782.9	778.9	777.5	774.4	774.4	774.9
25°	770.9	769.5	765.1	764.2	763.8	762.0	762.9
27.5°	752.2	751.4	747.8	746.5	744.7	744.3	745.1
30°	718.1	716.7	714.1	712.8	709.6	710.1	711.0
32.5°	675.5	673.7	670.1	668.8	666.2	665.3	665.7
35°	622.2	620.9	617.8	617.8	615.1	614.2	615.1
37.5°	568.1	569.4	568.1	569.4	568.1	567.6	568.1
40°	517.0	521.9	522.8	527.7	525.9	528.6	528.1
42.5°	468.2	476.2	479.3	483.3	482.4	484.2	485.5
45°	418.9	425.6	428.7	431.4	431.8	432.7	433.2
47.5°	372.3	377.7	378.1	381.2	380.8	380.8	382.1
50°	328.9	332.4	333.3	335.5	333.7	332.8	333.3
52.5°	288.5	292.0	291.1	292.0	289.8	288.9	289.4
55°	247.2	249.0	249.0	249.0	246.3	246.3	246.3
57.5°	205.0	205.5	204.6	205.0	204.6	201.9	201.5
60°	166.4	166.4	166.0	166.4	165.1	163.8	163.8
62.5°	130.0	130.9	132.7	130.9	130.0	130.9	129.6
65°	97.2	99.0	98.5	99.4	99.0	99.0	98.1
67.5°	73.2	73.7	74.1	74.6	74.6	74.6	74.6
70°	53.7	55.0	54.6	54.6	54.6	54.6	57.2
72.5°	35.9	37.7	37.3	38.2	38.2	39.1	38.2
75°	24.4	26.2	25.3	26.6	26.2	25.3	27.5
77.5°	16.4	17.3	17.8	18.2	17.8	17.3	17.8
80°	11.5	12.4	12.0	12.4	12.4	12.4	12.9
82.5°	7.1	8.4	8.0	8.4	8.0	8.4	8.4
85°	4.9	5.3	4.4	5.3	4.9	4.9	5.8
87.5°	3.1	2.7	2.7	3.1	2.7	3.1	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)