

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: P245942

Luminaire Tested: **LSR8B20D010 EC8B20950 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245942
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: LSR8B20D010 EC8B20950 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1546.0 lumens
Efficiency: N/A
Efficacy: 72.6 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

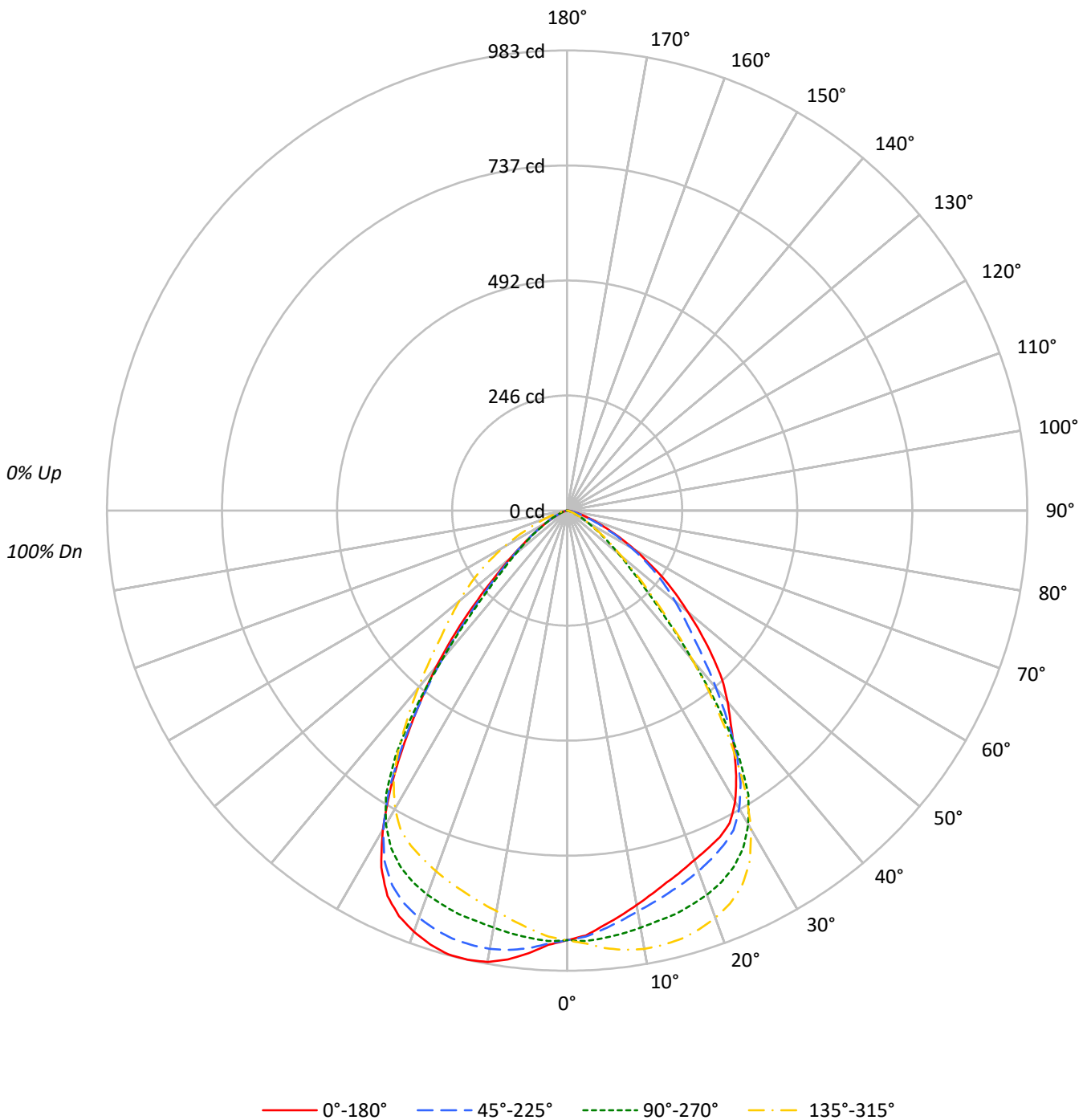
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28302	28302	28302	28302
5°	27549	28369	29382	28369
10°	26787	28331	30661	28331
15°	26254	28499	31334	28499
20°	26075	28661	31411	28661
25°	26212	28604	30908	28604
30°	25562	27556	28055	27556
35°	23381	24040	22809	24040
40°	21467	16721	17462	16721
45°	19075	10200	11805	10200
50°	16148	6817	7570	6817
55°	13370	4650	4914	4650
60°	10201	3096	3121	3096
65°	7224	1926	1766	1926
70°	5211	1289	1172	1289
75°	3312	643	536	643
80°	2309	479	391	479
85°	2052	0	142	0



TEST NUMBER: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	5.7
10°-20°	253.0	16.4
20°-30°	383.1	24.8
30°-40°	383.9	24.8
40°-50°	241.1	15.6
50°-60°	128.5	8.3
60°-70°	52.8	3.4
70°-80°	14.0	0.9
80°-90°	2.4	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°	723.4	46.8
0°-40°	1107.3	71.6
0°-60°	1476.9	95.5
0°-90°	1546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1546.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	918	918	918	918	918	
5°	890	916	949	916	890	84
15°	822	893	982	893	822	233
25°	770	841	908	841	770	353
35°	621	639	606	639	621	389
45°	437	234	271	234	437	336
55°	249	86	91	86	249	222
65°	99	26	24	26	99	103
75°	28	5	4	5	28	31
85°	6	0	0	0	6	6
90°	0	0	0	0	0	



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CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	908.4	907.5	907.1	908.0	908.4	910.2	909.8	910.6	910.6	911.1	912.0
5°	890.0	889.6	890.0	890.0	891.8	893.6	893.2	894.5	895.4	897.6	898.5
7.5°	873.0	873.0	872.5	874.3	875.2	877.9	877.5	879.7	881.1	883.3	886.4
10°	855.5	855.5	856.0	857.3	857.8	861.8	861.8	864.9	866.7	869.0	873.0
12.5°	838.5	838.5	841.2	840.3	842.1	845.2	846.6	849.7	852.4	856.9	860.9
15°	822.4	822.4	823.3	825.5	826.8	830.9	833.1	836.7	839.8	844.3	850.2
17.5°	808.5	808.0	808.5	811.2	813.8	817.4	819.2	823.7	826.8	832.7	838.0
20°	794.6	795.5	795.5	797.7	799.5	804.0	805.8	810.7	814.3	819.7	825.9
22.5°	782.5	782.0	782.0	785.2	786.5	790.5	792.3	796.8	800.8	805.3	811.2
25°	770.4	769.5	771.3	771.7	772.6	777.1	778.4	781.6	785.6	789.6	795.5
27.5°	752.4	751.6	752.0	753.8	755.1	758.7	759.6	762.8	765.9	769.5	774.4
30°	717.9	717.0	716.6	719.7	721.1	723.8	725.1	730.5	731.4	735.4	739.0
32.5°	672.2	671.8	672.7	675.4	676.7	680.3	682.1	685.2	687.5	689.7	693.3
35°	621.1	620.2	621.1	623.8	623.8	627.0	628.3	629.6	629.2	629.6	628.8
37.5°	573.6	573.2	573.6	575.0	573.6	575.0	573.6	570.9	566.0	560.6	555.3
40°	533.3	533.7	531.1	532.9	527.9	527.0	522.1	515.4	505.5	494.8	479.5
42.5°	490.3	488.9	487.1	488.0	484.0	480.9	472.8	464.3	451.7	433.8	415.4
45°	437.4	437.0	436.1	435.6	432.9	429.8	423.0	413.2	399.3	380.9	359.0
47.5°	385.9	384.5	384.5	385.0	381.8	381.4	376.0	367.5	355.4	337.5	314.6
50°	336.6	336.1	337.0	338.8	336.6	335.7	332.1	326.3	315.5	300.3	278.7
52.5°	292.2	291.7	292.6	294.9	294.0	294.9	291.3	286.8	279.6	264.9	246.0
55°	248.7	248.7	248.7	251.4	251.4	251.4	249.6	246.9	240.2	229.5	212.0
57.5°	203.5	203.9	206.6	207.0	206.6	207.5	207.0	204.3	199.9	192.3	178.8
60°	165.4	165.4	166.7	168.1	167.6	168.1	168.1	166.7	162.2	156.0	145.2
62.5°	130.9	132.2	131.3	132.2	134.0	132.2	131.3	130.4	127.3	123.2	114.3
65°	99.0	99.9	99.9	100.4	99.5	99.9	98.2	96.8	95.0	90.5	84.7
67.5°	75.3	75.3	75.3	75.3	74.8	74.4	74.0	72.6	69.5	67.7	61.4
70°	57.8	55.1	55.1	55.1	55.1	55.6	54.2	52.4	51.5	48.4	43.9
72.5°	38.5	39.4	38.5	38.5	37.6	38.1	36.3	35.4	34.5	32.7	30.0
75°	27.8	25.5	26.4	26.9	25.5	26.4	24.6	22.9	22.9	21.5	20.2
77.5°	17.9	17.5	17.9	18.4	17.9	17.5	16.6	15.7	15.7	15.2	13.9
80°	13.0	12.5	12.5	12.5	12.1	12.5	11.7	11.7	10.8	10.3	9.4
82.5°	8.5	8.5	8.1	8.5	8.1	8.5	7.2	7.2	7.2	6.7	5.8
85°	5.8	4.9	4.9	5.4	4.5	5.4	4.9	4.5	4.0	4.0	3.6
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: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	913.3	913.8	913.8	915.6	916.5	916.9	916.9	920.5	919.2	920.1	920.9
5°	900.3	903.0	903.9	903.9	908.8	910.6	912.4	916.5	916.9	919.6	922.7
7.5°	887.8	890.9	892.7	896.7	899.9	903.0	908.4	911.1	913.8	917.4	921.4
10°	875.7	879.3	882.9	886.0	890.9	895.0	898.5	904.8	908.0	912.9	918.3
12.5°	864.0	869.0	872.1	877.5	882.9	886.4	891.8	897.6	902.6	907.5	913.8
15°	853.7	859.6	863.1	869.0	874.8	879.7	885.5	892.7	896.3	902.1	908.0
17.5°	842.5	848.8	853.3	858.7	865.8	871.2	876.1	883.3	887.8	894.1	900.8
20°	830.9	837.1	842.5	847.9	855.1	860.4	866.3	873.4	878.4	884.6	890.0
22.5°	817.0	822.8	828.6	834.9	842.1	846.6	853.3	859.6	864.9	870.8	876.1
25°	799.1	806.2	810.7	816.5	822.4	827.3	834.5	840.7	845.2	850.6	855.5
27.5°	778.0	783.4	787.0	791.9	797.7	802.2	807.6	813.8	818.3	823.3	826.8
30°	742.1	747.1	750.2	753.8	759.6	763.7	768.1	773.9	777.1	780.7	783.8
32.5°	695.1	699.1	700.9	703.6	707.6	711.7	715.3	720.2	721.5	723.8	723.8
35°	627.0	627.9	627.4	628.3	630.1	632.3	635.5	638.6	640.4	640.4	639.1
37.5°	547.2	541.8	536.0	531.5	530.2	529.3	531.1	532.4	534.2	535.1	532.9
40°	464.3	452.2	439.2	427.5	419.5	415.9	414.5	415.4	415.4	418.6	418.6
42.5°	393.0	374.2	354.9	337.5	325.8	316.9	312.8	312.8	313.3	315.5	316.9
45°	333.9	310.1	287.7	268.4	252.3	240.6	235.3	233.9	233.5	234.4	237.5
47.5°	288.6	264.0	240.6	216.9	199.9	188.2	183.3	181.5	179.7	181.5	182.0
50°	253.2	227.7	203.0	179.3	161.3	151.0	144.7	142.1	141.6	141.6	142.5
52.5°	220.9	197.2	172.5	148.3	129.5	119.7	113.8	112.5	110.7	112.5	112.5
55°	190.5	166.7	142.5	119.7	104.0	93.7	88.3	86.5	85.6	86.9	86.9
57.5°	157.3	137.1	114.7	94.1	78.4	71.3	67.2	65.0	64.5	65.4	64.5
60°	129.1	112.0	92.8	74.0	61.9	54.2	51.1	50.2	49.3	50.2	50.2
62.5°	102.2	87.8	72.1	57.8	47.5	42.1	38.5	38.5	38.1	38.1	38.5
65°	75.7	64.5	53.3	41.2	33.2	29.1	26.4	26.4	26.0	26.4	26.0
67.5°	55.1	47.5	38.5	30.0	23.8	21.5	19.7	18.4	19.3	18.4	17.9
70°	40.3	34.1	27.8	22.9	18.4	16.1	14.8	14.3	13.4	13.4	13.4
72.5°	26.9	22.9	18.8	14.8	12.1	9.9	9.4	8.5	7.6	8.1	9.0
75°	17.9	15.2	13.4	10.8	8.1	8.1	5.4	5.4	4.5	5.4	4.0
77.5°	12.5	10.3	8.1	6.7	5.4	4.9	3.6	3.6	3.1	3.1	3.1
80°	9.0	7.6	5.8	4.9	3.6	3.6	3.1	2.7	2.2	2.2	2.7
82.5°	5.4	4.0	4.0	3.6	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: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	923.2	922.7	923.6	923.6	926.3	925.9	927.2	927.2	926.3	926.8	928.6
5°	926.3	927.7	930.4	932.6	936.6	938.4	940.7	942.9	943.4	944.7	946.1
7.5°	926.3	930.8	934.0	938.0	943.4	946.5	951.4	955.5	957.2	959.5	962.2
10°	924.5	929.0	934.8	939.3	946.1	951.0	955.9	962.2	964.9	968.4	972.0
12.5°	920.9	925.9	932.1	938.0	945.6	950.1	956.3	962.2	966.2	971.1	975.2
15°	915.6	921.4	927.2	933.0	941.1	946.5	952.3	959.0	963.1	968.4	972.0
17.5°	907.1	913.3	918.7	924.1	931.7	938.0	943.4	949.6	953.7	958.2	963.1
20°	896.7	902.6	908.4	912.9	920.5	925.9	931.7	937.5	940.7	941.6	949.2
22.5°	883.8	887.8	892.3	899.4	903.9	908.8	914.2	919.6	922.7	927.7	930.4
25°	862.2	866.3	871.2	874.3	879.7	883.8	889.1	895.0	896.7	900.3	903.0
27.5°	832.2	834.5	836.7	839.4	842.5	844.8	847.9	850.6	852.4	854.2	856.0
30°	784.7	784.7	784.7	782.9	784.3	785.6	786.0	785.6	785.6	785.2	785.2
32.5°	722.0	718.4	714.3	710.8	709.4	707.6	706.7	705.4	703.2	701.8	702.2
35°	637.3	629.2	624.3	619.8	616.2	613.5	612.2	610.8	610.4	608.6	606.8
37.5°	531.5	525.7	522.1	519.4	516.3	513.6	514.0	514.5	515.8	514.9	515.4
40°	419.5	418.1	419.5	416.3	415.4	416.3	418.6	421.7	423.5	425.3	428.4
42.5°	319.1	321.3	324.5	324.5	325.8	327.6	330.3	335.2	337.9	341.0	344.6
45°	240.2	242.9	246.9	248.3	249.2	251.4	254.6	258.6	260.4	263.1	266.2
47.5°	185.1	186.9	189.1	191.4	193.6	194.5	197.6	197.6	199.9	201.7	202.6
50°	144.3	146.1	147.9	149.2	150.1	151.5	152.4	153.7	154.2	155.1	155.5
52.5°	112.9	115.2	115.2	116.1	117.4	118.8	118.3	118.8	119.2	119.2	120.5
55°	88.3	88.3	89.6	89.6	90.5	90.1	90.5	90.5	90.5	90.5	91.0
57.5°	65.9	66.3	67.7	66.8	66.3	67.2	66.3	67.2	66.8	67.7	66.3
60°	50.6	50.6	51.1	51.1	51.5	51.5	51.5	51.1	51.1	50.6	50.6
62.5°	38.1	38.5	39.0	38.5	38.5	38.5	38.1	38.1	37.6	37.2	37.2
65°	25.5	25.1	26.0	25.1	25.5	25.5	25.1	25.5	24.2	24.6	24.2
67.5°	18.4	17.9	17.5	17.9	17.5	17.0	17.0	17.5	17.9	16.6	16.6
70°	12.1	12.5	12.1	12.5	13.0	13.0	12.5	12.1	12.5	11.7	12.1
72.5°	7.6	7.6	7.6	7.6	7.6	8.1	8.1	8.1	7.2	7.2	6.7
75°	3.6	4.9	4.0	3.6	4.9	4.9	4.5	4.5	4.0	4.0	4.0
77.5°	3.6	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: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	928.1	927.7	928.1	928.6	928.1	927.7	928.1	928.6	926.8	926.3	927.2
5°	947.8	947.8	948.7	949.2	948.7	947.8	947.8	946.1	944.7	943.4	942.9
7.5°	964.9	965.8	966.7	967.1	966.7	965.8	964.9	962.2	959.5	957.2	955.5
10°	975.2	976.5	978.3	979.2	978.3	976.5	975.2	972.0	968.4	964.9	962.2
12.5°	979.7	981.0	983.2	982.8	983.2	981.0	979.7	975.2	971.1	966.2	962.2
15°	976.5	978.3	980.5	981.5	980.5	978.3	976.5	972.0	968.4	963.1	959.0
17.5°	966.7	969.4	970.7	972.0	970.7	969.4	966.7	963.1	958.2	953.7	949.6
20°	953.2	955.0	956.8	957.2	956.8	955.0	953.2	949.2	941.6	940.7	937.5
22.5°	934.0	935.3	939.3	938.0	939.3	935.3	934.0	930.4	927.7	922.7	919.6
25°	906.2	907.5	908.0	908.4	908.0	907.5	906.2	903.0	900.3	896.7	895.0
27.5°	858.2	858.2	859.1	859.6	859.1	858.2	858.2	856.0	854.2	852.4	850.6
30°	785.6	785.6	785.6	787.9	785.6	785.6	785.6	785.2	785.2	785.6	785.6
32.5°	701.8	700.9	700.0	700.9	700.0	700.9	701.8	702.2	701.8	703.2	705.4
35°	606.8	606.3	607.7	605.9	607.7	606.3	606.8	606.8	608.6	610.4	610.8
37.5°	515.8	514.9	516.7	514.9	516.7	514.9	515.8	515.4	514.9	515.8	514.5
40°	429.3	430.2	430.2	433.8	430.2	430.2	429.3	428.4	425.3	423.5	421.7
42.5°	346.4	349.1	348.2	350.9	348.2	349.1	346.4	344.6	341.0	337.9	335.2
45°	268.0	269.8	269.8	270.7	269.8	269.8	268.0	266.2	263.1	260.4	258.6
47.5°	205.7	205.7	205.7	206.2	205.7	205.7	205.7	202.6	201.7	199.9	197.6
50°	156.4	156.8	157.3	157.8	157.3	156.8	156.4	155.5	155.1	154.2	153.7
52.5°	120.1	120.5	119.7	120.5	119.7	120.5	120.1	120.5	119.2	119.2	118.8
55°	91.0	90.5	91.0	91.4	91.0	90.5	91.0	91.0	90.5	90.5	90.5
57.5°	66.8	65.9	65.9	65.9	65.9	65.9	66.8	66.3	67.7	66.8	67.2
60°	49.7	50.2	50.2	50.6	50.2	50.2	49.7	50.6	50.6	51.1	51.1
62.5°	36.7	38.1	37.2	38.1	37.2	38.1	36.7	37.2	37.2	37.6	38.1
65°	23.8	23.8	23.8	24.2	23.8	23.8	23.8	24.2	24.6	24.2	25.5
67.5°	16.1	16.6	17.5	17.0	17.5	16.6	16.1	16.6	16.6	17.9	17.5
70°	13.0	11.7	11.7	13.0	11.7	11.7	13.0	12.1	11.7	12.5	12.1
72.5°	7.6	6.7	7.6	7.6	7.6	6.7	7.6	6.7	7.2	7.2	8.1
75°	4.0	3.6	3.1	4.5	3.1	3.6	4.0	4.0	4.0	4.0	4.5
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: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	927.2	925.9	926.3	923.6	923.6	922.7	923.2	920.9	920.1	919.2	920.5
5°	940.7	938.4	936.6	932.6	930.4	927.7	926.3	922.7	919.6	916.9	916.5
7.5°	951.4	946.5	943.4	938.0	934.0	930.8	926.3	921.4	917.4	913.8	911.1
10°	955.9	951.0	946.1	939.3	934.8	929.0	924.5	918.3	912.9	908.0	904.8
12.5°	956.3	950.1	945.6	938.0	932.1	925.9	920.9	913.8	907.5	902.6	897.6
15°	952.3	946.5	941.1	933.0	927.2	921.4	915.6	908.0	902.1	896.3	892.7
17.5°	943.4	938.0	931.7	924.1	918.7	913.3	907.1	900.8	894.1	887.8	883.3
20°	931.7	925.9	920.5	912.9	908.4	902.6	896.7	890.0	884.6	878.4	873.4
22.5°	914.2	908.8	903.9	899.4	892.3	887.8	883.8	876.1	870.8	864.9	859.6
25°	889.1	883.8	879.7	874.3	871.2	866.3	862.2	855.5	850.6	845.2	840.7
27.5°	847.9	844.8	842.5	839.4	836.7	834.5	832.2	826.8	823.3	818.3	813.8
30°	786.0	785.6	784.3	782.9	784.7	784.7	784.7	783.8	780.7	777.1	773.9
32.5°	706.7	707.6	709.4	710.8	714.3	718.4	722.0	723.8	723.8	721.5	720.2
35°	612.2	613.5	616.2	619.8	624.3	629.2	637.3	639.1	640.4	640.4	638.6
37.5°	514.0	513.6	516.3	519.4	522.1	525.7	531.5	532.9	535.1	534.2	532.4
40°	418.6	416.3	415.4	416.3	419.5	418.1	419.5	418.6	418.6	415.4	415.4
42.5°	330.3	327.6	325.8	324.5	324.5	321.3	319.1	316.9	315.5	313.3	312.8
45°	254.6	251.4	249.2	248.3	246.9	242.9	240.2	237.5	234.4	233.5	233.9
47.5°	197.6	194.5	193.6	191.4	189.1	186.9	185.1	182.0	181.5	179.7	181.5
50°	152.4	151.5	150.1	149.2	147.9	146.1	144.3	142.5	141.6	141.6	142.1
52.5°	118.3	118.8	117.4	116.1	115.2	115.2	112.9	112.5	112.5	110.7	112.5
55°	90.5	90.1	90.5	89.6	89.6	88.3	88.3	86.9	86.9	85.6	86.5
57.5°	66.3	67.2	66.3	66.8	67.7	66.3	65.9	64.5	65.4	64.5	65.0
60°	51.5	51.5	51.5	51.1	51.1	50.6	50.6	50.2	50.2	49.3	50.2
62.5°	38.1	38.5	38.5	38.5	39.0	38.5	38.1	38.5	38.1	38.1	38.5
65°	25.1	25.5	25.5	25.1	26.0	25.1	25.5	26.0	26.4	26.0	26.4
67.5°	17.0	17.0	17.5	17.9	17.5	17.9	18.4	17.9	18.4	19.3	18.4
70°	12.5	13.0	13.0	12.5	12.1	12.5	12.1	13.4	13.4	13.4	14.3
72.5°	8.1	8.1	7.6	7.6	7.6	7.6	7.6	9.0	8.1	7.6	8.5
75°	4.5	4.9	4.9	3.6	4.0	4.9	3.6	4.0	5.4	4.5	5.4
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.1	3.1	3.1	3.6
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: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	916.9	916.9	916.5	915.6	913.8	913.8	913.3	912.0	911.1	910.6	910.6
5°	912.4	910.6	908.8	903.9	903.9	903.0	900.3	898.5	897.6	895.4	894.5
7.5°	908.4	903.0	899.9	896.7	892.7	890.9	887.8	886.4	883.3	881.1	879.7
10°	898.5	895.0	890.9	886.0	882.9	879.3	875.7	873.0	869.0	866.7	864.9
12.5°	891.8	886.4	882.9	877.5	872.1	869.0	864.0	860.9	856.9	852.4	849.7
15°	885.5	879.7	874.8	869.0	863.1	859.6	853.7	850.2	844.3	839.8	836.7
17.5°	876.1	871.2	865.8	858.7	853.3	848.8	842.5	838.0	832.7	826.8	823.7
20°	866.3	860.4	855.1	847.9	842.5	837.1	830.9	825.9	819.7	814.3	810.7
22.5°	853.3	846.6	842.1	834.9	828.6	822.8	817.0	811.2	805.3	800.8	796.8
25°	834.5	827.3	822.4	816.5	810.7	806.2	799.1	795.5	789.6	785.6	781.6
27.5°	807.6	802.2	797.7	791.9	787.0	783.4	778.0	774.4	769.5	765.9	762.8
30°	768.1	763.7	759.6	753.8	750.2	747.1	742.1	739.0	735.4	731.4	730.5
32.5°	715.3	711.7	707.6	703.6	700.9	699.1	695.1	693.3	689.7	687.5	685.2
35°	635.5	632.3	630.1	628.3	627.4	627.9	627.0	628.8	629.6	629.2	629.6
37.5°	531.1	529.3	530.2	531.5	536.0	541.8	547.2	555.3	560.6	566.0	570.9
40°	414.5	415.9	419.5	427.5	439.2	452.2	464.3	479.5	494.8	505.5	515.4
42.5°	312.8	316.9	325.8	337.5	354.9	374.2	393.0	415.4	433.8	451.7	464.3
45°	235.3	240.6	252.3	268.4	287.7	310.1	333.9	359.0	380.9	399.3	413.2
47.5°	183.3	188.2	199.9	216.9	240.6	264.0	288.6	314.6	337.5	355.4	367.5
50°	144.7	151.0	161.3	179.3	203.0	227.7	253.2	278.7	300.3	315.5	326.3
52.5°	113.8	119.7	129.5	148.3	172.5	197.2	220.9	246.0	264.9	279.6	286.8
55°	88.3	93.7	104.0	119.7	142.5	166.7	190.5	212.0	229.5	240.2	246.9
57.5°	67.2	71.3	78.4	94.1	114.7	137.1	157.3	178.8	192.3	199.9	204.3
60°	51.1	54.2	61.9	74.0	92.8	112.0	129.1	145.2	156.0	162.2	166.7
62.5°	38.5	42.1	47.5	57.8	72.1	87.8	102.2	114.3	123.2	127.3	130.4
65°	26.4	29.1	33.2	41.2	53.3	64.5	75.7	84.7	90.5	95.0	96.8
67.5°	19.7	21.5	23.8	30.0	38.5	47.5	55.1	61.4	67.7	69.5	72.6
70°	14.8	16.1	18.4	22.9	27.8	34.1	40.3	43.9	48.4	51.5	52.4
72.5°	9.4	9.9	12.1	14.8	18.8	22.9	26.9	30.0	32.7	34.5	35.4
75°	5.4	8.1	8.1	10.8	13.4	15.2	17.9	20.2	21.5	22.9	22.9
77.5°	3.6	4.9	5.4	6.7	8.1	10.3	12.5	13.9	15.2	15.7	15.7
80°	3.1	3.6	3.6	4.9	5.8	7.6	9.0	9.4	10.3	10.8	11.7
82.5°	1.3	1.8	2.2	3.6	4.0	4.0	5.4	5.8	6.7	7.2	7.2
85°	0.4	0.9	0.9	1.3	2.2	2.7	3.1	3.6	4.0	4.0	4.5
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: P245942

CATALOG NUMBER: LSR8B20D010 EC8B20950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	909.8	910.2	908.4	908.0	907.1	907.5	908.4
5°	893.2	893.6	891.8	890.0	890.0	889.6	890.0
7.5°	877.5	877.9	875.2	874.3	872.5	873.0	873.0
10°	861.8	861.8	857.8	857.3	856.0	855.5	855.5
12.5°	846.6	845.2	842.1	840.3	841.2	838.5	838.5
15°	833.1	830.9	826.8	825.5	823.3	822.4	822.4
17.5°	819.2	817.4	813.8	811.2	808.5	808.0	808.5
20°	805.8	804.0	799.5	797.7	795.5	795.5	794.6
22.5°	792.3	790.5	786.5	785.2	782.0	782.0	782.5
25°	778.4	777.1	772.6	771.7	771.3	769.5	770.4
27.5°	759.6	758.7	755.1	753.8	752.0	751.6	752.4
30°	725.1	723.8	721.1	719.7	716.6	717.0	717.9
32.5°	682.1	680.3	676.7	675.4	672.7	671.8	672.2
35°	628.3	627.0	623.8	623.8	621.1	620.2	621.1
37.5°	573.6	575.0	573.6	575.0	573.6	573.2	573.6
40°	522.1	527.0	527.9	532.9	531.1	533.7	533.3
42.5°	472.8	480.9	484.0	488.0	487.1	488.9	490.3
45°	423.0	429.8	432.9	435.6	436.1	437.0	437.4
47.5°	376.0	381.4	381.8	385.0	384.5	384.5	385.9
50°	332.1	335.7	336.6	338.8	337.0	336.1	336.6
52.5°	291.3	294.9	294.0	294.9	292.6	291.7	292.2
55°	249.6	251.4	251.4	251.4	248.7	248.7	248.7
57.5°	207.0	207.5	206.6	207.0	206.6	203.9	203.5
60°	168.1	168.1	167.6	168.1	166.7	165.4	165.4
62.5°	131.3	132.2	134.0	132.2	131.3	132.2	130.9
65°	98.2	99.9	99.5	100.4	99.9	99.9	99.0
67.5°	74.0	74.4	74.8	75.3	75.3	75.3	75.3
70°	54.2	55.6	55.1	55.1	55.1	55.1	57.8
72.5°	36.3	38.1	37.6	38.5	38.5	39.4	38.5
75°	24.6	26.4	25.5	26.9	26.4	25.5	27.8
77.5°	16.6	17.5	17.9	18.4	17.9	17.5	17.9
80°	11.7	12.5	12.1	12.5	12.5	12.5	13.0
82.5°	7.2	8.5	8.1	8.5	8.1	8.5	8.5
85°	4.9	5.4	4.5	5.4	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)