

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: P245983

Luminaire Tested: **LSR8B15D010 EC8B15850 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245983  
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 EC8B15850 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1548.0 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

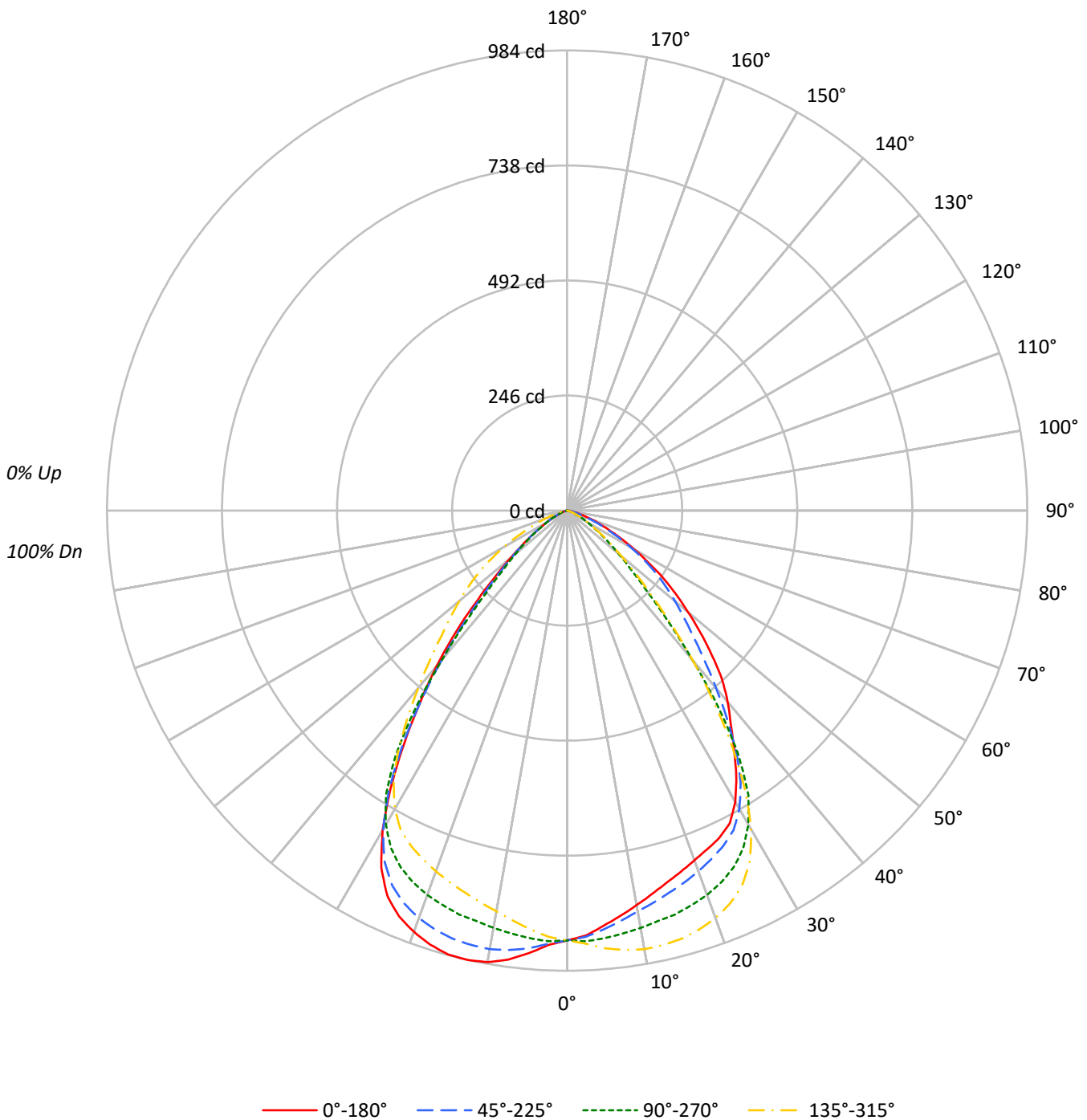
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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°	28339	28339	28339	28339
5°	27586	28407	29419	28407
10°	26822	28369	30701	28369
15°	26286	28537	31372	28537
20°	26108	28700	31453	28700
25°	26246	28641	30948	28641
30°	25598	27595	28090	27595
35°	23411	24070	22839	24070
40°	21496	16746	17486	16746
45°	19101	10213	11818	10213
50°	16167	6822	7580	6822
55°	13392	4656	4919	4656
60°	10213	3102	3127	3102
65°	7238	1934	1766	1934
70°	5220	1298	1172	1298
75°	3312	643	536	643
80°	2309	479	391	479
85°	2052	0	142	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.5	5.7
10°-20°	253.3	16.4
20°-30°	383.6	24.8
30°-40°	384.4	24.8
40°-50°	241.4	15.6
50°-60°	128.6	8.3
60°-70°	52.9	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°	724.3	46.8
0°-40°	1108.7	71.6
0°-60°	1478.8	95.5
0°-90°	1548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1548.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	919	919	919	919	919	
5°	891	918	950	918	891	84
15°	823	894	983	894	823	233
25°	771	842	910	842	771	354
35°	622	639	607	639	622	390
45°	438	234	271	234	438	337
55°	249	87	92	87	249	222
65°	99	26	24	26	99	103
75°	28	5	4	5	28	32
85°	6	0	0	0	6	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	909.6	908.7	908.2	909.1	909.6	911.4	910.9	911.8	911.8	912.3	913.2
5°	891.2	890.7	891.2	891.2	893.0	894.8	894.3	895.7	896.6	898.8	899.7
7.5°	874.1	874.1	873.7	875.5	876.4	879.1	878.6	880.9	882.2	884.4	887.6
10°	856.6	856.6	857.1	858.4	858.9	862.9	862.9	866.0	867.8	870.1	874.1
12.5°	839.6	839.6	842.3	841.4	843.2	846.3	847.6	850.8	853.5	858.0	862.0
15°	823.4	823.4	824.3	826.6	827.9	831.9	834.2	837.8	840.9	845.4	851.3
17.5°	809.5	809.1	809.5	812.2	814.9	818.5	820.3	824.8	827.9	833.7	839.1
20°	795.6	796.5	796.5	798.7	800.5	805.0	806.8	811.8	815.3	820.7	827.0
22.5°	783.5	783.0	783.0	786.2	787.5	791.6	793.3	797.8	801.9	806.4	812.2
25°	771.4	770.5	772.3	772.7	773.6	778.1	779.4	782.6	786.6	790.7	796.5
27.5°	753.4	752.5	753.0	754.8	756.1	759.7	760.6	763.7	766.9	770.5	775.4
30°	718.9	718.0	717.5	720.7	722.0	724.7	726.0	731.4	732.3	736.4	739.9
32.5°	673.1	672.6	673.5	676.2	677.6	681.2	683.0	686.1	688.3	690.6	694.2
35°	621.9	621.0	621.9	624.6	624.6	627.8	629.1	630.5	630.0	630.5	629.6
37.5°	574.4	573.9	574.4	575.7	574.4	575.7	574.4	571.7	566.8	561.4	556.0
40°	534.0	534.4	531.8	533.5	528.6	527.7	522.8	516.0	506.2	495.4	480.1
42.5°	490.9	489.6	487.8	488.7	484.6	481.5	473.4	464.9	452.3	434.4	416.0
45°	438.0	437.5	436.6	436.2	433.5	430.3	423.6	413.7	399.8	381.4	359.4
47.5°	386.4	385.0	385.0	385.5	382.3	381.9	376.5	368.0	355.8	337.9	315.0
50°	337.0	336.5	337.4	339.2	337.0	336.1	332.5	326.7	315.9	300.7	279.1
52.5°	292.6	292.1	293.0	295.3	294.4	295.3	291.7	287.2	280.0	265.2	246.4
55°	249.1	249.1	249.1	251.7	251.7	251.7	249.9	247.3	240.5	229.7	212.3
57.5°	203.7	204.2	206.9	207.3	206.9	207.8	207.3	204.6	200.1	192.5	179.0
60°	165.6	165.6	166.9	168.3	167.8	168.3	168.3	166.9	162.4	156.2	145.4
62.5°	131.0	132.4	131.5	132.4	134.2	132.4	131.5	130.6	127.4	123.4	114.4
65°	99.2	100.1	100.1	100.5	99.6	100.1	98.3	96.9	95.1	90.7	84.8
67.5°	75.4	75.4	75.4	75.4	74.9	74.5	74.0	72.7	69.6	67.8	61.5
70°	57.9	55.2	55.2	55.2	55.2	55.7	54.3	52.5	51.6	48.5	44.0
72.5°	38.6	39.5	38.6	38.6	37.7	38.1	36.3	35.4	34.6	32.8	30.1
75°	27.8	25.6	26.5	26.9	25.6	26.5	24.7	22.9	22.9	21.5	20.2
77.5°	18.0	17.5	18.0	18.4	18.0	17.5	16.6	15.7	15.7	15.3	13.9
80°	13.0	12.6	12.6	12.6	12.1	12.6	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	914.5	915.0	915.0	916.8	917.7	918.1	918.1	921.7	920.3	921.3	922.1
5°	901.5	904.2	905.1	905.1	910.0	911.8	913.6	917.7	918.1	920.8	923.9
7.5°	888.9	892.1	893.9	897.9	901.0	904.2	909.6	912.3	915.0	918.6	922.6
10°	876.8	880.4	884.0	887.1	892.1	896.1	899.7	906.0	909.1	914.1	919.4
12.5°	865.2	870.1	873.2	878.6	884.0	887.6	893.0	898.8	903.7	908.7	915.0
15°	854.8	860.7	864.3	870.1	875.9	880.9	886.7	893.9	897.5	903.3	909.1
17.5°	843.6	849.9	854.4	859.8	866.9	872.3	877.3	884.4	888.9	895.2	902.0
20°	831.9	838.2	843.6	849.0	856.2	861.6	867.4	874.6	879.5	885.8	891.2
22.5°	818.0	823.9	829.7	836.0	843.2	847.6	854.4	860.7	866.0	871.9	877.3
25°	800.1	807.3	811.8	817.6	823.4	828.3	835.5	841.8	846.3	851.7	856.6
27.5°	779.0	784.4	788.0	792.9	798.7	803.2	808.6	814.9	819.4	824.3	827.9
30°	743.1	748.0	751.2	754.8	760.6	764.6	769.1	775.0	778.1	781.7	784.8
32.5°	696.0	700.0	701.8	704.5	708.6	712.6	716.2	721.1	722.5	724.7	724.7
35°	627.8	628.7	628.2	629.1	630.9	633.2	636.3	639.4	641.2	641.2	639.9
37.5°	547.9	542.5	536.7	532.2	530.8	529.9	531.8	533.1	534.9	535.8	533.5
40°	464.9	452.8	439.8	428.1	420.0	416.4	415.1	416.0	416.0	419.1	419.1
42.5°	393.5	374.7	355.4	337.9	326.2	317.3	313.2	313.2	313.7	315.9	317.3
45°	334.3	310.5	288.1	268.8	252.6	241.0	235.6	234.2	233.8	234.7	237.8
47.5°	289.0	264.3	241.0	217.2	200.1	188.5	183.5	181.7	179.9	181.7	182.2
50°	253.5	228.0	203.3	179.5	161.5	151.2	144.9	142.2	141.8	141.8	142.7
52.5°	221.2	197.4	172.8	148.5	129.7	119.8	114.0	112.6	110.8	112.6	112.6
55°	190.7	166.9	142.7	119.8	104.1	93.8	88.4	86.6	85.7	87.0	87.0
57.5°	157.5	137.3	114.9	94.2	78.5	71.4	67.3	65.1	64.6	65.5	64.6
60°	129.2	112.2	92.9	74.0	61.9	54.3	51.2	50.3	49.4	50.3	50.3
62.5°	102.3	88.0	72.2	57.9	47.6	42.2	38.6	38.6	38.1	38.1	38.6
65°	75.8	64.6	53.4	41.3	33.2	29.2	26.5	26.5	26.0	26.5	26.0
67.5°	55.2	47.6	38.6	30.1	23.8	21.5	19.7	18.4	19.3	18.4	18.0
70°	40.4	34.1	27.8	22.9	18.4	16.2	14.8	14.4	13.5	13.5	13.5
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°	18.0	15.3	13.5	10.8	8.1	8.1	5.4	5.4	4.5	5.4	4.0
77.5°	12.6	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	924.4	923.9	924.8	924.8	927.5	927.1	928.4	928.4	927.5	928.0	929.8
5°	927.5	928.9	931.6	933.8	937.8	939.6	941.9	944.1	944.6	945.9	947.3
7.5°	927.5	932.0	935.2	939.2	944.6	947.7	952.7	956.7	958.5	960.7	963.4
10°	925.7	930.2	936.0	940.5	947.3	952.2	957.1	963.4	966.1	969.7	973.3
12.5°	922.1	927.1	933.3	939.2	946.8	951.3	957.6	963.4	967.5	972.4	976.4
15°	916.8	922.6	928.4	934.3	942.3	947.7	953.6	960.3	964.3	969.7	973.3
17.5°	908.2	914.5	919.9	925.3	932.9	939.2	944.6	950.9	954.9	959.4	964.3
20°	897.9	903.7	909.6	914.1	921.7	927.1	932.9	938.7	941.9	942.8	950.4
22.5°	884.9	888.9	893.4	900.6	905.1	910.0	915.4	920.8	923.9	928.9	931.6
25°	863.3	867.4	872.3	875.5	880.9	884.9	890.3	896.1	897.9	901.5	904.2
27.5°	833.3	835.5	837.8	840.5	843.6	845.9	849.0	851.7	853.5	855.3	857.1
30°	785.7	785.7	785.7	783.9	785.3	786.6	787.1	786.6	786.6	786.2	786.2
32.5°	722.9	719.3	715.3	711.7	710.3	708.6	707.6	706.3	704.1	702.7	703.2
35°	638.1	630.0	625.1	620.6	617.0	614.3	613.0	611.6	611.2	609.4	607.6
37.5°	532.2	526.4	522.8	520.1	516.9	514.2	514.7	515.1	516.5	515.6	516.0
40°	420.0	418.7	420.0	416.9	416.0	416.9	419.1	422.3	424.1	425.8	429.0
42.5°	319.5	321.7	324.9	324.9	326.2	328.0	330.7	335.7	338.3	341.5	345.1
45°	240.5	243.2	247.3	248.6	249.5	251.7	254.9	258.9	260.7	263.4	266.5
47.5°	185.3	187.1	189.4	191.6	193.8	194.7	197.9	197.9	200.1	201.9	202.8
50°	144.5	146.3	148.1	149.4	150.3	151.7	152.6	153.9	154.4	155.3	155.7
52.5°	113.1	115.3	115.3	116.2	117.6	118.9	118.5	118.9	119.4	119.4	120.7
55°	88.4	88.4	89.7	89.7	90.7	90.2	90.7	90.7	90.7	90.7	91.1
57.5°	66.0	66.4	67.8	66.9	66.4	67.3	66.4	67.3	66.9	67.8	66.4
60°	50.7	50.7	51.2	51.2	51.6	51.6	51.6	51.2	51.2	50.7	50.7
62.5°	38.1	38.6	39.0	38.6	38.6	38.6	38.1	38.1	37.7	37.2	37.2
65°	25.6	25.1	26.0	25.1	25.6	25.6	25.1	25.6	24.2	24.7	24.2
67.5°	18.4	18.0	17.5	18.0	17.5	17.0	17.0	17.5	18.0	16.6	16.6
70°	12.1	12.6	12.1	12.6	13.0	13.0	12.6	12.1	12.6	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





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CATALOG NUMBER: LSR8B15D010 EC8B15850 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	929.3	928.9	929.3	929.8	929.3	928.9	929.3	929.8	928.0	927.5	928.4
5°	949.1	949.1	950.0	950.4	950.0	949.1	949.1	947.3	945.9	944.6	944.1
7.5°	966.1	967.0	967.9	968.4	967.9	967.0	966.1	963.4	960.7	958.5	956.7
10°	976.4	977.8	979.6	980.5	979.6	977.8	976.4	973.3	969.7	966.1	963.4
12.5°	980.9	982.3	984.5	984.1	984.5	982.3	980.9	976.4	972.4	967.5	963.4
15°	977.8	979.6	981.8	982.7	981.8	979.6	977.8	973.3	969.7	964.3	960.3
17.5°	967.9	970.6	972.0	973.3	972.0	970.6	967.9	964.3	959.4	954.9	950.9
20°	954.4	956.3	958.0	958.5	958.0	956.3	954.4	950.4	942.8	941.9	938.7
22.5°	935.2	936.5	940.5	939.2	940.5	936.5	935.2	931.6	928.9	923.9	920.8
25°	907.3	908.7	909.1	909.6	909.1	908.7	907.3	904.2	901.5	897.9	896.1
27.5°	859.3	859.3	860.2	860.7	860.2	859.3	859.3	857.1	855.3	853.5	851.7
30°	786.6	786.6	786.6	788.9	786.6	786.6	786.6	786.2	786.2	786.6	786.6
32.5°	702.7	701.8	700.9	701.8	700.9	701.8	702.7	703.2	702.7	704.1	706.3
35°	607.6	607.1	608.5	606.7	608.5	607.1	607.6	607.6	609.4	611.2	611.6
37.5°	516.5	515.6	517.4	515.6	517.4	515.6	516.5	516.0	515.6	516.5	515.1
40°	429.9	430.8	430.8	434.4	430.8	430.8	429.9	429.0	425.8	424.1	422.3
42.5°	346.9	349.6	348.7	351.4	348.7	349.6	346.9	345.1	341.5	338.3	335.7
45°	268.3	270.1	270.1	271.0	270.1	270.1	268.3	266.5	263.4	260.7	258.9
47.5°	206.0	206.0	206.0	206.4	206.0	206.0	206.0	202.8	201.9	200.1	197.9
50°	156.6	157.1	157.5	158.0	157.5	157.1	156.6	155.7	155.3	154.4	153.9
52.5°	120.3	120.7	119.8	120.7	119.8	120.7	120.3	120.7	119.4	119.4	118.9
55°	91.1	90.7	91.1	91.5	91.1	90.7	91.1	91.1	90.7	90.7	90.7
57.5°	66.9	66.0	66.0	66.0	66.0	66.0	66.9	66.4	67.8	66.9	67.3
60°	49.8	50.3	50.3	50.7	50.3	50.3	49.8	50.7	50.7	51.2	51.2
62.5°	36.8	38.1	37.2	38.1	37.2	38.1	36.8	37.2	37.2	37.7	38.1
65°	23.8	23.8	23.8	24.2	23.8	23.8	23.8	24.2	24.7	24.2	25.6
67.5°	16.2	16.6	17.5	17.0	17.5	16.6	16.2	16.6	16.6	18.0	17.5
70°	13.0	11.7	11.7	13.0	11.7	11.7	13.0	12.1	11.7	12.6	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



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	928.4	927.1	927.5	924.8	924.8	923.9	924.4	922.1	921.3	920.3	921.7
5°	941.9	939.6	937.8	933.8	931.6	928.9	927.5	923.9	920.8	918.1	917.7
7.5°	952.7	947.7	944.6	939.2	935.2	932.0	927.5	922.6	918.6	915.0	912.3
10°	957.1	952.2	947.3	940.5	936.0	930.2	925.7	919.4	914.1	909.1	906.0
12.5°	957.6	951.3	946.8	939.2	933.3	927.1	922.1	915.0	908.7	903.7	898.8
15°	953.6	947.7	942.3	934.3	928.4	922.6	916.8	909.1	903.3	897.5	893.9
17.5°	944.6	939.2	932.9	925.3	919.9	914.5	908.2	902.0	895.2	888.9	884.4
20°	932.9	927.1	921.7	914.1	909.6	903.7	897.9	891.2	885.8	879.5	874.6
22.5°	915.4	910.0	905.1	900.6	893.4	888.9	884.9	877.3	871.9	866.0	860.7
25°	890.3	884.9	880.9	875.5	872.3	867.4	863.3	856.6	851.7	846.3	841.8
27.5°	849.0	845.9	843.6	840.5	837.8	835.5	833.3	827.9	824.3	819.4	814.9
30°	787.1	786.6	785.3	783.9	785.7	785.7	785.7	784.8	781.7	778.1	775.0
32.5°	707.6	708.6	710.3	711.7	715.3	719.3	722.9	724.7	724.7	722.5	721.1
35°	613.0	614.3	617.0	620.6	625.1	630.0	638.1	639.9	641.2	641.2	639.4
37.5°	514.7	514.2	516.9	520.1	522.8	526.4	532.2	533.5	535.8	534.9	533.1
40°	419.1	416.9	416.0	416.9	420.0	418.7	420.0	419.1	419.1	416.0	416.0
42.5°	330.7	328.0	326.2	324.9	324.9	321.7	319.5	317.3	315.9	313.7	313.2
45°	254.9	251.7	249.5	248.6	247.3	243.2	240.5	237.8	234.7	233.8	234.2
47.5°	197.9	194.7	193.8	191.6	189.4	187.1	185.3	182.2	181.7	179.9	181.7
50°	152.6	151.7	150.3	149.4	148.1	146.3	144.5	142.7	141.8	141.8	142.2
52.5°	118.5	118.9	117.6	116.2	115.3	115.3	113.1	112.6	112.6	110.8	112.6
55°	90.7	90.2	90.7	89.7	89.7	88.4	88.4	87.0	87.0	85.7	86.6
57.5°	66.4	67.3	66.4	66.9	67.8	66.4	66.0	64.6	65.5	64.6	65.1
60°	51.6	51.6	51.6	51.2	51.2	50.7	50.7	50.3	50.3	49.4	50.3
62.5°	38.1	38.6	38.6	38.6	39.0	38.6	38.1	38.6	38.1	38.1	38.6
65°	25.1	25.6	25.6	25.1	26.0	25.1	25.6	26.0	26.5	26.0	26.5
67.5°	17.0	17.0	17.5	18.0	17.5	18.0	18.4	18.0	18.4	19.3	18.4
70°	12.6	13.0	13.0	12.6	12.1	12.6	12.1	13.5	13.5	13.5	14.4
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: P245983

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	918.1	918.1	917.7	916.8	915.0	915.0	914.5	913.2	912.3	911.8	911.8
5°	913.6	911.8	910.0	905.1	905.1	904.2	901.5	899.7	898.8	896.6	895.7
7.5°	909.6	904.2	901.0	897.9	893.9	892.1	888.9	887.6	884.4	882.2	880.9
10°	899.7	896.1	892.1	887.1	884.0	880.4	876.8	874.1	870.1	867.8	866.0
12.5°	893.0	887.6	884.0	878.6	873.2	870.1	865.2	862.0	858.0	853.5	850.8
15°	886.7	880.9	875.9	870.1	864.3	860.7	854.8	851.3	845.4	840.9	837.8
17.5°	877.3	872.3	866.9	859.8	854.4	849.9	843.6	839.1	833.7	827.9	824.8
20°	867.4	861.6	856.2	849.0	843.6	838.2	831.9	827.0	820.7	815.3	811.8
22.5°	854.4	847.6	843.2	836.0	829.7	823.9	818.0	812.2	806.4	801.9	797.8
25°	835.5	828.3	823.4	817.6	811.8	807.3	800.1	796.5	790.7	786.6	782.6
27.5°	808.6	803.2	798.7	792.9	788.0	784.4	779.0	775.4	770.5	766.9	763.7
30°	769.1	764.6	760.6	754.8	751.2	748.0	743.1	739.9	736.4	732.3	731.4
32.5°	716.2	712.6	708.6	704.5	701.8	700.0	696.0	694.2	690.6	688.3	686.1
35°	636.3	633.2	630.9	629.1	628.2	628.7	627.8	629.6	630.5	630.0	630.5
37.5°	531.8	529.9	530.8	532.2	536.7	542.5	547.9	556.0	561.4	566.8	571.7
40°	415.1	416.4	420.0	428.1	439.8	452.8	464.9	480.1	495.4	506.2	516.0
42.5°	313.2	317.3	326.2	337.9	355.4	374.7	393.5	416.0	434.4	452.3	464.9
45°	235.6	241.0	252.6	268.8	288.1	310.5	334.3	359.4	381.4	399.8	413.7
47.5°	183.5	188.5	200.1	217.2	241.0	264.3	289.0	315.0	337.9	355.8	368.0
50°	144.9	151.2	161.5	179.5	203.3	228.0	253.5	279.1	300.7	315.9	326.7
52.5°	114.0	119.8	129.7	148.5	172.8	197.4	221.2	246.4	265.2	280.0	287.2
55°	88.4	93.8	104.1	119.8	142.7	166.9	190.7	212.3	229.7	240.5	247.3
57.5°	67.3	71.4	78.5	94.2	114.9	137.3	157.5	179.0	192.5	200.1	204.6
60°	51.2	54.3	61.9	74.0	92.9	112.2	129.2	145.4	156.2	162.4	166.9
62.5°	38.6	42.2	47.6	57.9	72.2	88.0	102.3	114.4	123.4	127.4	130.6
65°	26.5	29.2	33.2	41.3	53.4	64.6	75.8	84.8	90.7	95.1	96.9
67.5°	19.7	21.5	23.8	30.1	38.6	47.6	55.2	61.5	67.8	69.6	72.7
70°	14.8	16.2	18.4	22.9	27.8	34.1	40.4	44.0	48.5	51.6	52.5
72.5°	9.4	9.9	12.1	14.8	18.8	22.9	26.9	30.1	32.8	34.6	35.4
75°	5.4	8.1	8.1	10.8	13.5	15.3	18.0	20.2	21.5	22.9	22.9
77.5°	3.6	4.9	5.4	6.7	8.1	10.3	12.6	13.9	15.3	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: P245983

CATALOG NUMBER: LSR8B15D010 EC8B15850 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	910.9	911.4	909.6	909.1	908.2	908.7	909.6
5°	894.3	894.8	893.0	891.2	891.2	890.7	891.2
7.5°	878.6	879.1	876.4	875.5	873.7	874.1	874.1
10°	862.9	862.9	858.9	858.4	857.1	856.6	856.6
12.5°	847.6	846.3	843.2	841.4	842.3	839.6	839.6
15°	834.2	831.9	827.9	826.6	824.3	823.4	823.4
17.5°	820.3	818.5	814.9	812.2	809.5	809.1	809.5
20°	806.8	805.0	800.5	798.7	796.5	796.5	795.6
22.5°	793.3	791.6	787.5	786.2	783.0	783.0	783.5
25°	779.4	778.1	773.6	772.7	772.3	770.5	771.4
27.5°	760.6	759.7	756.1	754.8	753.0	752.5	753.4
30°	726.0	724.7	722.0	720.7	717.5	718.0	718.9
32.5°	683.0	681.2	677.6	676.2	673.5	672.6	673.1
35°	629.1	627.8	624.6	624.6	621.9	621.0	621.9
37.5°	574.4	575.7	574.4	575.7	574.4	573.9	574.4
40°	522.8	527.7	528.6	533.5	531.8	534.4	534.0
42.5°	473.4	481.5	484.6	488.7	487.8	489.6	490.9
45°	423.6	430.3	433.5	436.2	436.6	437.5	438.0
47.5°	376.5	381.9	382.3	385.5	385.0	385.0	386.4
50°	332.5	336.1	337.0	339.2	337.4	336.5	337.0
52.5°	291.7	295.3	294.4	295.3	293.0	292.1	292.6
55°	249.9	251.7	251.7	251.7	249.1	249.1	249.1
57.5°	207.3	207.8	206.9	207.3	206.9	204.2	203.7
60°	168.3	168.3	167.8	168.3	166.9	165.6	165.6
62.5°	131.5	132.4	134.2	132.4	131.5	132.4	131.0
65°	98.3	100.1	99.6	100.5	100.1	100.1	99.2
67.5°	74.0	74.5	74.9	75.4	75.4	75.4	75.4
70°	54.3	55.7	55.2	55.2	55.2	55.2	57.9
72.5°	36.3	38.1	37.7	38.6	38.6	39.5	38.6
75°	24.7	26.5	25.6	26.9	26.5	25.6	27.8
77.5°	16.6	17.5	18.0	18.4	18.0	17.5	18.0
80°	11.7	12.6	12.1	12.6	12.6	12.6	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)