

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: P244525

Luminaire Tested: **LSR8B15D010 EC8B15830 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244525
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 EC8B15830 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1485.0 lumens
Efficiency: N/A
Efficacy: 103.1 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

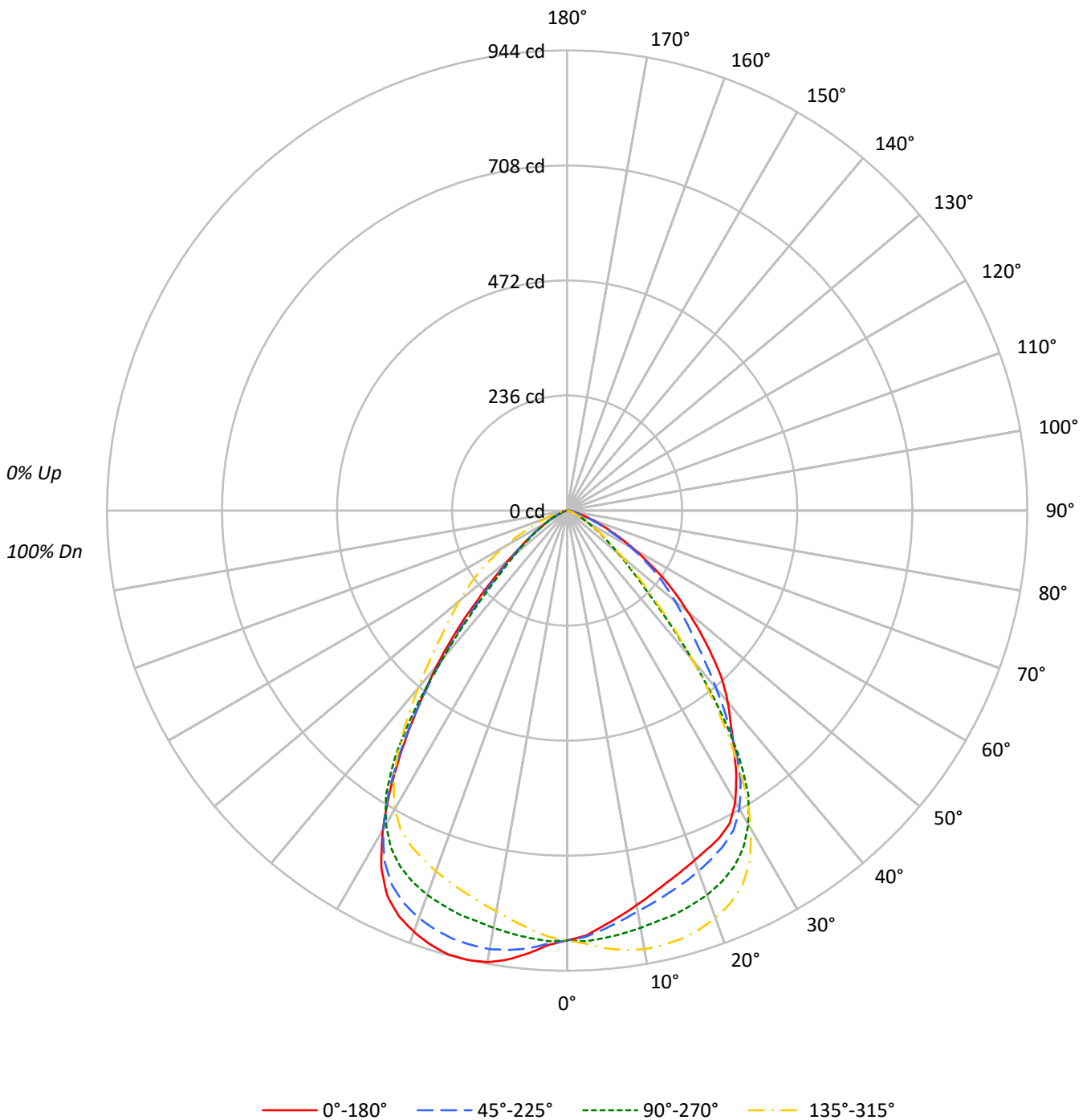
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27185	27185	27185	27185
5°	26463	27249	28221	27249
10°	25732	27213	29452	27213
15°	25217	27375	30095	27375
20°	25045	27532	30174	27532
25°	25178	27478	29689	27478
30°	24554	26470	26947	26470
35°	22459	23091	21909	23091
40°	20622	16061	16774	16061
45°	18320	9799	11338	9799
50°	15510	6543	7268	6543
55°	12844	4468	4720	4468
60°	9794	2973	2997	2973
65°	6939	1853	1693	1853
70°	5004	1244	1127	1244
75°	3181	620	512	620
80°	2220	462	373	462
85°	1981	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	5.7
10°-20°	243.0	16.4
20°-30°	367.9	24.8
30°-40°	368.8	24.8
40°-50°	231.6	15.6
50°-60°	123.4	8.3
60°-70°	50.7	3.4
70°-80°	13.4	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°	694.8	46.8
0°-40°	1063.6	71.6
0°-60°	1418.6	95.5
0°-90°	1485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	882	882	882	882	882	
5°	855	880	912	880	855	81
15°	790	858	943	858	790	223
25°	740	808	873	808	740	339
35°	597	613	582	613	597	374
45°	420	225	260	225	420	323
55°	239	83	88	83	239	213
65°	95	25	23	25	95	99
75°	27	5	4	5	27	30
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°	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	872.6	871.7	871.3	872.1	872.6	874.3	873.9	874.7	874.7	875.1	876.0
5°	854.9	854.5	854.9	854.9	856.6	858.4	857.9	859.2	860.1	862.2	863.1
7.5°	838.6	838.6	838.1	839.8	840.7	843.3	842.8	845.0	846.3	848.4	851.5
10°	821.8	821.8	822.2	823.5	823.9	827.8	827.8	830.8	832.5	834.7	838.6
12.5°	805.4	805.4	808.0	807.1	808.8	811.9	813.2	816.2	818.8	823.1	826.9
15°	789.9	789.9	790.8	792.9	794.2	798.1	800.2	803.7	806.7	811.0	816.6
17.5°	776.6	776.1	776.6	779.1	781.7	785.2	786.9	791.2	794.2	799.8	805.0
20°	763.2	764.1	764.1	766.2	768.0	772.3	774.0	778.7	782.2	787.3	793.4
22.5°	751.6	751.2	751.2	754.2	755.5	759.3	761.1	765.4	769.2	773.6	779.1
25°	740.0	739.1	740.8	741.3	742.1	746.4	747.7	750.7	754.6	758.5	764.1
27.5°	722.8	721.9	722.3	724.0	725.3	728.8	729.6	732.7	735.7	739.1	743.9
30°	689.6	688.8	688.3	691.3	692.6	695.2	696.5	701.7	702.5	706.4	709.8
32.5°	645.7	645.3	646.1	648.7	650.0	653.5	655.2	658.2	660.3	662.5	665.9
35°	596.6	595.8	596.6	599.2	599.2	602.2	603.5	604.8	604.4	604.8	603.9
37.5°	551.0	550.6	551.0	552.3	551.0	552.3	551.0	548.4	543.7	538.5	533.3
40°	512.3	512.7	510.1	511.8	507.1	506.2	501.5	495.0	485.6	475.2	460.6
42.5°	470.9	469.6	467.9	468.8	464.9	461.9	454.1	446.0	433.9	416.7	399.0
45°	420.1	419.7	418.8	418.4	415.8	412.8	406.4	396.9	383.6	365.9	344.8
47.5°	370.6	369.3	369.3	369.8	366.8	366.3	361.2	353.0	341.4	324.1	302.2
50°	323.3	322.8	323.7	325.4	323.3	322.4	319.0	313.4	303.1	288.4	267.7
52.5°	280.7	280.2	281.1	283.2	282.4	283.2	279.8	275.5	268.6	254.4	236.3
55°	238.9	238.9	238.9	241.5	241.5	241.5	239.8	237.2	230.7	220.4	203.6
57.5°	195.4	195.9	198.4	198.9	198.4	199.3	198.9	196.3	192.0	184.7	171.8
60°	158.8	158.8	160.1	161.4	161.0	161.4	161.4	160.1	155.8	149.8	139.5
62.5°	125.7	127.0	126.1	127.0	128.7	127.0	126.1	125.3	122.3	118.4	109.8
65°	95.1	96.0	96.0	96.4	95.6	96.0	94.3	93.0	91.3	87.0	81.4
67.5°	72.3	72.3	72.3	72.3	71.9	71.5	71.0	69.7	66.7	65.0	59.0
70°	55.5	52.9	52.9	52.9	52.9	53.4	52.1	50.4	49.5	46.5	42.2
72.5°	37.0	37.9	37.0	37.0	36.2	36.6	34.9	34.0	33.2	31.4	28.8
75°	26.7	24.5	25.4	25.8	24.5	25.4	23.7	22.0	22.0	20.7	19.4
77.5°	17.2	16.8	17.2	17.6	17.2	16.8	15.9	15.1	15.1	14.6	13.3
80°	12.5	12.0	12.0	12.0	11.6	12.0	11.2	11.2	10.3	9.9	9.0
82.5°	8.2	8.2	7.7	8.2	7.7	8.2	6.9	6.9	6.9	6.4	5.6
85°	5.6	4.7	4.7	5.2	4.3	5.2	4.7	4.3	3.9	3.9	3.4
87.5°	2.6	3.0	2.6	3.0	2.6	2.6	3.0	2.6	2.6	1.7	1.7
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°	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	877.3	877.7	877.7	879.5	880.3	880.7	880.7	884.2	882.9	883.8	884.6
5°	864.8	867.4	868.3	868.3	873.0	874.7	876.4	880.3	880.7	883.3	886.3
7.5°	852.8	855.8	857.5	861.4	864.4	867.4	872.6	875.1	877.7	881.2	885.0
10°	841.1	844.6	848.0	851.0	855.8	859.6	863.1	869.1	872.1	876.9	882.0
12.5°	829.9	834.7	837.7	842.8	848.0	851.5	856.6	862.2	867.0	871.7	877.7
15°	820.0	825.6	829.1	834.7	840.3	845.0	850.6	857.5	860.9	866.5	872.1
17.5°	809.3	815.3	819.6	824.8	831.7	836.8	841.6	848.4	852.8	858.8	865.2
20°	798.1	804.1	809.3	814.4	821.3	826.5	832.1	839.0	843.7	849.7	854.9
22.5°	784.7	790.3	795.9	802.0	808.8	813.2	819.6	825.6	830.8	836.4	841.6
25°	767.5	774.4	778.7	784.3	789.9	794.6	801.5	807.6	811.9	817.0	821.8
27.5°	747.3	752.5	755.9	760.6	766.2	770.5	775.7	781.7	786.0	790.8	794.2
30°	712.8	717.6	720.6	724.0	729.6	733.5	737.8	743.4	746.4	749.9	752.9
32.5°	667.6	671.5	673.2	675.8	679.7	683.6	687.0	691.8	693.1	695.2	695.2
35°	602.2	603.1	602.7	603.5	605.2	607.4	610.4	613.4	615.1	615.1	613.9
37.5°	525.6	520.4	514.8	510.5	509.2	508.4	510.1	511.4	513.1	514.0	511.8
40°	446.0	434.3	421.9	410.7	402.9	399.5	398.2	399.0	399.0	402.0	402.0
42.5°	377.5	359.4	340.9	324.1	312.9	304.3	300.5	300.5	300.9	303.1	304.3
45°	320.7	297.9	276.4	257.9	242.4	231.2	226.0	224.7	224.3	225.1	228.1
47.5°	277.2	253.6	231.2	208.4	192.0	180.8	176.1	174.3	172.6	174.3	174.8
50°	243.2	218.7	195.0	172.2	155.0	145.1	139.0	136.4	136.0	136.0	136.9
52.5°	212.2	189.4	165.7	142.5	124.4	114.9	109.3	108.0	106.3	108.0	108.0
55°	182.9	160.1	136.9	114.9	99.9	90.0	84.8	83.1	82.2	83.5	83.5
57.5°	151.1	131.7	110.2	90.4	75.3	68.4	64.6	62.4	62.0	62.8	62.0
60°	124.0	107.6	89.1	71.0	59.4	52.1	49.1	48.2	47.3	48.2	48.2
62.5°	98.1	84.4	69.3	55.5	45.6	40.5	37.0	37.0	36.6	36.6	37.0
65°	72.8	62.0	51.2	39.6	31.9	28.0	25.4	25.4	25.0	25.4	25.0
67.5°	52.9	45.6	37.0	28.8	22.8	20.7	18.9	17.6	18.5	17.6	17.2
70°	38.8	32.7	26.7	22.0	17.6	15.5	14.2	13.8	12.9	12.9	12.9
72.5°	25.8	22.0	18.1	14.2	11.6	9.5	9.0	8.2	7.3	7.7	8.6
75°	17.2	14.6	12.9	10.3	7.7	7.7	5.2	5.2	4.3	5.2	3.9
77.5°	12.0	9.9	7.7	6.4	5.2	4.7	3.4	3.4	3.0	3.0	3.0
80°	8.6	7.3	5.6	4.7	3.4	3.4	3.0	2.6	2.1	2.1	2.6
82.5°	5.2	3.9	3.9	3.4	2.1	1.7	1.3	1.7	0.9	0.9	0.9
85°	3.0	2.6	2.1	1.3	0.9	0.9	0.4	0.0	0.4	0.4	0.0
87.5°	1.7	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°	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	886.8	886.3	887.2	887.2	889.8	889.3	890.6	890.6	889.8	890.2	891.9
5°	889.8	891.1	893.6	895.8	899.7	901.4	903.6	905.7	906.1	907.4	908.7
7.5°	889.8	894.1	897.1	901.0	906.1	909.1	913.9	917.8	919.5	921.6	924.2
10°	888.0	892.4	898.0	902.3	908.7	913.5	918.2	924.2	926.8	930.2	933.7
12.5°	884.6	889.3	895.4	901.0	908.3	912.6	918.6	924.2	928.1	932.8	936.7
15°	879.5	885.0	890.6	896.2	904.0	909.1	914.7	921.2	925.1	930.2	933.7
17.5°	871.3	877.3	882.5	887.6	894.9	901.0	906.1	912.2	916.0	920.3	925.1
20°	861.4	867.0	872.6	876.9	884.2	889.3	894.9	900.5	903.6	904.4	911.7
22.5°	848.9	852.8	857.1	863.9	868.3	873.0	878.2	883.3	886.3	891.1	893.6
25°	828.2	832.1	836.8	839.8	845.0	848.9	854.0	859.6	861.4	864.8	867.4
27.5°	799.4	801.5	803.7	806.3	809.3	811.4	814.4	817.0	818.8	820.5	822.2
30°	753.7	753.7	753.7	752.0	753.3	754.6	755.0	754.6	754.6	754.2	754.2
32.5°	693.5	690.0	686.2	682.7	681.4	679.7	678.8	677.6	675.4	674.1	674.5
35°	612.1	604.4	599.6	595.3	591.9	589.3	588.0	586.7	586.3	584.6	582.8
37.5°	510.5	504.9	501.5	498.9	495.9	493.3	493.7	494.2	495.5	494.6	495.0
40°	402.9	401.6	402.9	399.9	399.0	399.9	402.0	405.1	406.8	408.5	411.5
42.5°	306.5	308.6	311.7	311.7	312.9	314.7	317.2	322.0	324.6	327.6	331.0
45°	230.7	233.3	237.2	238.5	239.3	241.5	244.5	248.4	250.1	252.7	255.7
47.5°	177.8	179.5	181.6	183.8	186.0	186.8	189.8	189.8	192.0	193.7	194.6
50°	138.6	140.3	142.0	143.3	144.2	145.5	146.4	147.6	148.1	148.9	149.4
52.5°	108.5	110.6	110.6	111.5	112.8	114.1	113.6	114.1	114.5	114.5	115.8
55°	84.8	84.8	86.1	86.1	87.0	86.5	87.0	87.0	87.0	87.0	87.4
57.5°	63.3	63.7	65.0	64.1	63.7	64.6	63.7	64.6	64.1	65.0	63.7
60°	48.6	48.6	49.1	49.1	49.5	49.5	49.5	49.1	49.1	48.6	48.6
62.5°	36.6	37.0	37.5	37.0	37.0	37.0	36.6	36.6	36.2	35.7	35.7
65°	24.5	24.1	25.0	24.1	24.5	24.5	24.1	24.5	23.2	23.7	23.2
67.5°	17.6	17.2	16.8	17.2	16.8	16.4	16.4	16.8	17.2	15.9	15.9
70°	11.6	12.0	11.6	12.0	12.5	12.5	12.0	11.6	12.0	11.2	11.6
72.5°	7.3	7.3	7.3	7.3	7.3	7.7	7.7	7.7	6.9	6.9	6.4
75°	3.4	4.7	3.9	3.4	4.7	4.7	4.3	4.3	3.9	3.9	3.9
77.5°	3.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.1	2.6	2.1
80°	1.7	1.7	1.7	1.3	1.7	1.7	2.1	1.7	1.7	1.3	2.1
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	891.5	891.1	891.5	891.9	891.5	891.1	891.5	891.9	890.2	889.8	890.6
5°	910.4	910.4	911.3	911.7	911.3	910.4	910.4	908.7	907.4	906.1	905.7
7.5°	926.8	927.7	928.5	928.9	928.5	927.7	926.8	924.2	921.6	919.5	917.8
10°	936.7	938.0	939.7	940.6	939.7	938.0	936.7	933.7	930.2	926.8	924.2
12.5°	941.0	942.3	944.4	944.0	944.4	942.3	941.0	936.7	932.8	928.1	924.2
15°	938.0	939.7	941.9	942.7	941.9	939.7	938.0	933.7	930.2	925.1	921.2
17.5°	928.5	931.1	932.4	933.7	932.4	931.1	928.5	925.1	920.3	916.0	912.2
20°	915.6	917.3	919.1	919.5	919.1	917.3	915.6	911.7	904.4	903.6	900.5
22.5°	897.1	898.4	902.3	901.0	902.3	898.4	897.1	893.6	891.1	886.3	883.3
25°	870.4	871.7	872.1	872.6	872.1	871.7	870.4	867.4	864.8	861.4	859.6
27.5°	824.3	824.3	825.2	825.6	825.2	824.3	824.3	822.2	820.5	818.8	817.0
30°	754.6	754.6	754.6	756.8	754.6	754.6	754.6	754.2	754.2	754.6	754.6
32.5°	674.1	673.2	672.4	673.2	672.4	673.2	674.1	674.5	674.1	675.4	677.6
35°	582.8	582.4	583.7	582.0	583.7	582.4	582.8	582.8	584.6	586.3	586.7
37.5°	495.5	494.6	496.3	494.6	496.3	494.6	495.5	495.0	494.6	495.5	494.2
40°	412.4	413.2	413.2	416.7	413.2	413.2	412.4	411.5	408.5	406.8	405.1
42.5°	332.8	335.3	334.5	337.1	334.5	335.3	332.8	331.0	327.6	324.6	322.0
45°	257.4	259.1	259.1	260.0	259.1	259.1	257.4	255.7	252.7	250.1	248.4
47.5°	197.6	197.6	197.6	198.0	197.6	197.6	197.6	194.6	193.7	192.0	189.8
50°	150.2	150.7	151.1	151.5	151.1	150.7	150.2	149.4	148.9	148.1	147.6
52.5°	115.4	115.8	114.9	115.8	114.9	115.8	115.4	115.8	114.5	114.5	114.1
55°	87.4	87.0	87.4	87.8	87.4	87.0	87.4	87.4	87.0	87.0	87.0
57.5°	64.1	63.3	63.3	63.3	63.3	63.3	64.1	63.7	65.0	64.1	64.6
60°	47.8	48.2	48.2	48.6	48.2	48.2	47.8	48.6	48.6	49.1	49.1
62.5°	35.3	36.6	35.7	36.6	35.7	36.6	35.3	35.7	35.7	36.2	36.6
65°	22.8	22.8	22.8	23.2	22.8	22.8	22.8	23.2	23.7	23.2	24.5
67.5°	15.5	15.9	16.8	16.4	16.8	15.9	15.5	15.9	15.9	17.2	16.8
70°	12.5	11.2	11.2	12.5	11.2	11.2	12.5	11.6	11.2	12.0	11.6
72.5°	7.3	6.4	7.3	7.3	7.3	6.4	7.3	6.4	6.9	6.9	7.7
75°	3.9	3.4	3.0	4.3	3.0	3.4	3.9	3.9	3.9	3.9	4.3
77.5°	2.6	2.1	3.0	3.0	3.0	2.1	2.6	2.1	2.6	2.1	2.6
80°	1.3	1.7	1.3	2.1	1.3	1.7	1.3	2.1	1.3	1.7	1.7
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: P244525

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	890.6	889.3	889.8	887.2	887.2	886.3	886.8	884.6	883.8	882.9	884.2
5°	903.6	901.4	899.7	895.8	893.6	891.1	889.8	886.3	883.3	880.7	880.3
7.5°	913.9	909.1	906.1	901.0	897.1	894.1	889.8	885.0	881.2	877.7	875.1
10°	918.2	913.5	908.7	902.3	898.0	892.4	888.0	882.0	876.9	872.1	869.1
12.5°	918.6	912.6	908.3	901.0	895.4	889.3	884.6	877.7	871.7	867.0	862.2
15°	914.7	909.1	904.0	896.2	890.6	885.0	879.5	872.1	866.5	860.9	857.5
17.5°	906.1	901.0	894.9	887.6	882.5	877.3	871.3	865.2	858.8	852.8	848.4
20°	894.9	889.3	884.2	876.9	872.6	867.0	861.4	854.9	849.7	843.7	839.0
22.5°	878.2	873.0	868.3	863.9	857.1	852.8	848.9	841.6	836.4	830.8	825.6
25°	854.0	848.9	845.0	839.8	836.8	832.1	828.2	821.8	817.0	811.9	807.6
27.5°	814.4	811.4	809.3	806.3	803.7	801.5	799.4	794.2	790.8	786.0	781.7
30°	755.0	754.6	753.3	752.0	753.7	753.7	753.7	752.9	749.9	746.4	743.4
32.5°	678.8	679.7	681.4	682.7	686.2	690.0	693.5	695.2	695.2	693.1	691.8
35°	588.0	589.3	591.9	595.3	599.6	604.4	612.1	613.9	615.1	615.1	613.4
37.5°	493.7	493.3	495.9	498.9	501.5	504.9	510.5	511.8	514.0	513.1	511.4
40°	402.0	399.9	399.0	399.9	402.9	401.6	402.9	402.0	402.0	399.0	399.0
42.5°	317.2	314.7	312.9	311.7	311.7	308.6	306.5	304.3	303.1	300.9	300.5
45°	244.5	241.5	239.3	238.5	237.2	233.3	230.7	228.1	225.1	224.3	224.7
47.5°	189.8	186.8	186.0	183.8	181.6	179.5	177.8	174.8	174.3	172.6	174.3
50°	146.4	145.5	144.2	143.3	142.0	140.3	138.6	136.9	136.0	136.0	136.4
52.5°	113.6	114.1	112.8	111.5	110.6	110.6	108.5	108.0	108.0	106.3	108.0
55°	87.0	86.5	87.0	86.1	86.1	84.8	84.8	83.5	83.5	82.2	83.1
57.5°	63.7	64.6	63.7	64.1	65.0	63.7	63.3	62.0	62.8	62.0	62.4
60°	49.5	49.5	49.5	49.1	49.1	48.6	48.6	48.2	48.2	47.3	48.2
62.5°	36.6	37.0	37.0	37.0	37.5	37.0	36.6	37.0	36.6	36.6	37.0
65°	24.1	24.5	24.5	24.1	25.0	24.1	24.5	25.0	25.4	25.0	25.4
67.5°	16.4	16.4	16.8	17.2	16.8	17.2	17.6	17.2	17.6	18.5	17.6
70°	12.0	12.5	12.5	12.0	11.6	12.0	11.6	12.9	12.9	12.9	13.8
72.5°	7.7	7.7	7.3	7.3	7.3	7.3	7.3	8.6	7.7	7.3	8.2
75°	4.3	4.7	4.7	3.4	3.9	4.7	3.4	3.9	5.2	4.3	5.2
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.0	3.0	3.0	3.4
80°	2.1	1.7	1.7	1.3	1.7	1.7	1.7	2.6	2.1	2.1	2.6
82.5°	0.9	0.9	0.4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.7
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: P244525

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	880.7	880.7	880.3	879.5	877.7	877.7	877.3	876.0	875.1	874.7	874.7
5°	876.4	874.7	873.0	868.3	868.3	867.4	864.8	863.1	862.2	860.1	859.2
7.5°	872.6	867.4	864.4	861.4	857.5	855.8	852.8	851.5	848.4	846.3	845.0
10°	863.1	859.6	855.8	851.0	848.0	844.6	841.1	838.6	834.7	832.5	830.8
12.5°	856.6	851.5	848.0	842.8	837.7	834.7	829.9	826.9	823.1	818.8	816.2
15°	850.6	845.0	840.3	834.7	829.1	825.6	820.0	816.6	811.0	806.7	803.7
17.5°	841.6	836.8	831.7	824.8	819.6	815.3	809.3	805.0	799.8	794.2	791.2
20°	832.1	826.5	821.3	814.4	809.3	804.1	798.1	793.4	787.3	782.2	778.7
22.5°	819.6	813.2	808.8	802.0	795.9	790.3	784.7	779.1	773.6	769.2	765.4
25°	801.5	794.6	789.9	784.3	778.7	774.4	767.5	764.1	758.5	754.6	750.7
27.5°	775.7	770.5	766.2	760.6	755.9	752.5	747.3	743.9	739.1	735.7	732.7
30°	737.8	733.5	729.6	724.0	720.6	717.6	712.8	709.8	706.4	702.5	701.7
32.5°	687.0	683.6	679.7	675.8	673.2	671.5	667.6	665.9	662.5	660.3	658.2
35°	610.4	607.4	605.2	603.5	602.7	603.1	602.2	603.9	604.8	604.4	604.8
37.5°	510.1	508.4	509.2	510.5	514.8	520.4	525.6	533.3	538.5	543.7	548.4
40°	398.2	399.5	402.9	410.7	421.9	434.3	446.0	460.6	475.2	485.6	495.0
42.5°	300.5	304.3	312.9	324.1	340.9	359.4	377.5	399.0	416.7	433.9	446.0
45°	226.0	231.2	242.4	257.9	276.4	297.9	320.7	344.8	365.9	383.6	396.9
47.5°	176.1	180.8	192.0	208.4	231.2	253.6	277.2	302.2	324.1	341.4	353.0
50°	139.0	145.1	155.0	172.2	195.0	218.7	243.2	267.7	288.4	303.1	313.4
52.5°	109.3	114.9	124.4	142.5	165.7	189.4	212.2	236.3	254.4	268.6	275.5
55°	84.8	90.0	99.9	114.9	136.9	160.1	182.9	203.6	220.4	230.7	237.2
57.5°	64.6	68.4	75.3	90.4	110.2	131.7	151.1	171.8	184.7	192.0	196.3
60°	49.1	52.1	59.4	71.0	89.1	107.6	124.0	139.5	149.8	155.8	160.1
62.5°	37.0	40.5	45.6	55.5	69.3	84.4	98.1	109.8	118.4	122.3	125.3
65°	25.4	28.0	31.9	39.6	51.2	62.0	72.8	81.4	87.0	91.3	93.0
67.5°	18.9	20.7	22.8	28.8	37.0	45.6	52.9	59.0	65.0	66.7	69.7
70°	14.2	15.5	17.6	22.0	26.7	32.7	38.8	42.2	46.5	49.5	50.4
72.5°	9.0	9.5	11.6	14.2	18.1	22.0	25.8	28.8	31.4	33.2	34.0
75°	5.2	7.7	7.7	10.3	12.9	14.6	17.2	19.4	20.7	22.0	22.0
77.5°	3.4	4.7	5.2	6.4	7.7	9.9	12.0	13.3	14.6	15.1	15.1
80°	3.0	3.4	3.4	4.7	5.6	7.3	8.6	9.0	9.9	10.3	11.2
82.5°	1.3	1.7	2.1	3.4	3.9	3.9	5.2	5.6	6.4	6.9	6.9
85°	0.4	0.9	0.9	1.3	2.1	2.6	3.0	3.4	3.9	3.9	4.3
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.7	1.7	1.7	2.6	2.6
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: P244525

CATALOG NUMBER: LSR8B15D010 EC8B15830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	881.6	881.6	881.6	881.6	881.6	881.6	881.6
2.5°	873.9	874.3	872.6	872.1	871.3	871.7	872.6
5°	857.9	858.4	856.6	854.9	854.9	854.5	854.9
7.5°	842.8	843.3	840.7	839.8	838.1	838.6	838.6
10°	827.8	827.8	823.9	823.5	822.2	821.8	821.8
12.5°	813.2	811.9	808.8	807.1	808.0	805.4	805.4
15°	800.2	798.1	794.2	792.9	790.8	789.9	789.9
17.5°	786.9	785.2	781.7	779.1	776.6	776.1	776.6
20°	774.0	772.3	768.0	766.2	764.1	764.1	763.2
22.5°	761.1	759.3	755.5	754.2	751.2	751.2	751.6
25°	747.7	746.4	742.1	741.3	740.8	739.1	740.0
27.5°	729.6	728.8	725.3	724.0	722.3	721.9	722.8
30°	696.5	695.2	692.6	691.3	688.3	688.8	689.6
32.5°	655.2	653.5	650.0	648.7	646.1	645.3	645.7
35°	603.5	602.2	599.2	599.2	596.6	595.8	596.6
37.5°	551.0	552.3	551.0	552.3	551.0	550.6	551.0
40°	501.5	506.2	507.1	511.8	510.1	512.7	512.3
42.5°	454.1	461.9	464.9	468.8	467.9	469.6	470.9
45°	406.4	412.8	415.8	418.4	418.8	419.7	420.1
47.5°	361.2	366.3	366.8	369.8	369.3	369.3	370.6
50°	319.0	322.4	323.3	325.4	323.7	322.8	323.3
52.5°	279.8	283.2	282.4	283.2	281.1	280.2	280.7
55°	239.8	241.5	241.5	241.5	238.9	238.9	238.9
57.5°	198.9	199.3	198.4	198.9	198.4	195.9	195.4
60°	161.4	161.4	161.0	161.4	160.1	158.8	158.8
62.5°	126.1	127.0	128.7	127.0	126.1	127.0	125.7
65°	94.3	96.0	95.6	96.4	96.0	96.0	95.1
67.5°	71.0	71.5	71.9	72.3	72.3	72.3	72.3
70°	52.1	53.4	52.9	52.9	52.9	52.9	55.5
72.5°	34.9	36.6	36.2	37.0	37.0	37.9	37.0
75°	23.7	25.4	24.5	25.8	25.4	24.5	26.7
77.5°	15.9	16.8	17.2	17.6	17.2	16.8	17.2
80°	11.2	12.0	11.6	12.0	12.0	12.0	12.5
82.5°	6.9	8.2	7.7	8.2	7.7	8.2	8.2
85°	4.7	5.2	4.3	5.2	4.7	4.7	5.6
87.5°	3.0	2.6	2.6	3.0	2.6	3.0	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)