

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: CORELITE

Report Number: P189031

Luminaire Tested: **RZL-WB-680L8835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34813)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-WB-680L8835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH LUMINOUS SIDES, SNAP-ON CLEAR LINEAR PRISMATIC LENS AND INTERNAL
BAFFLE
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6578.6 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.22 / 1.27
Luminous Opening: Rectangular w/ Sides (W: 0.53' x L: 3.83' x H: 0.12')
CIE Type: Semi-Direct

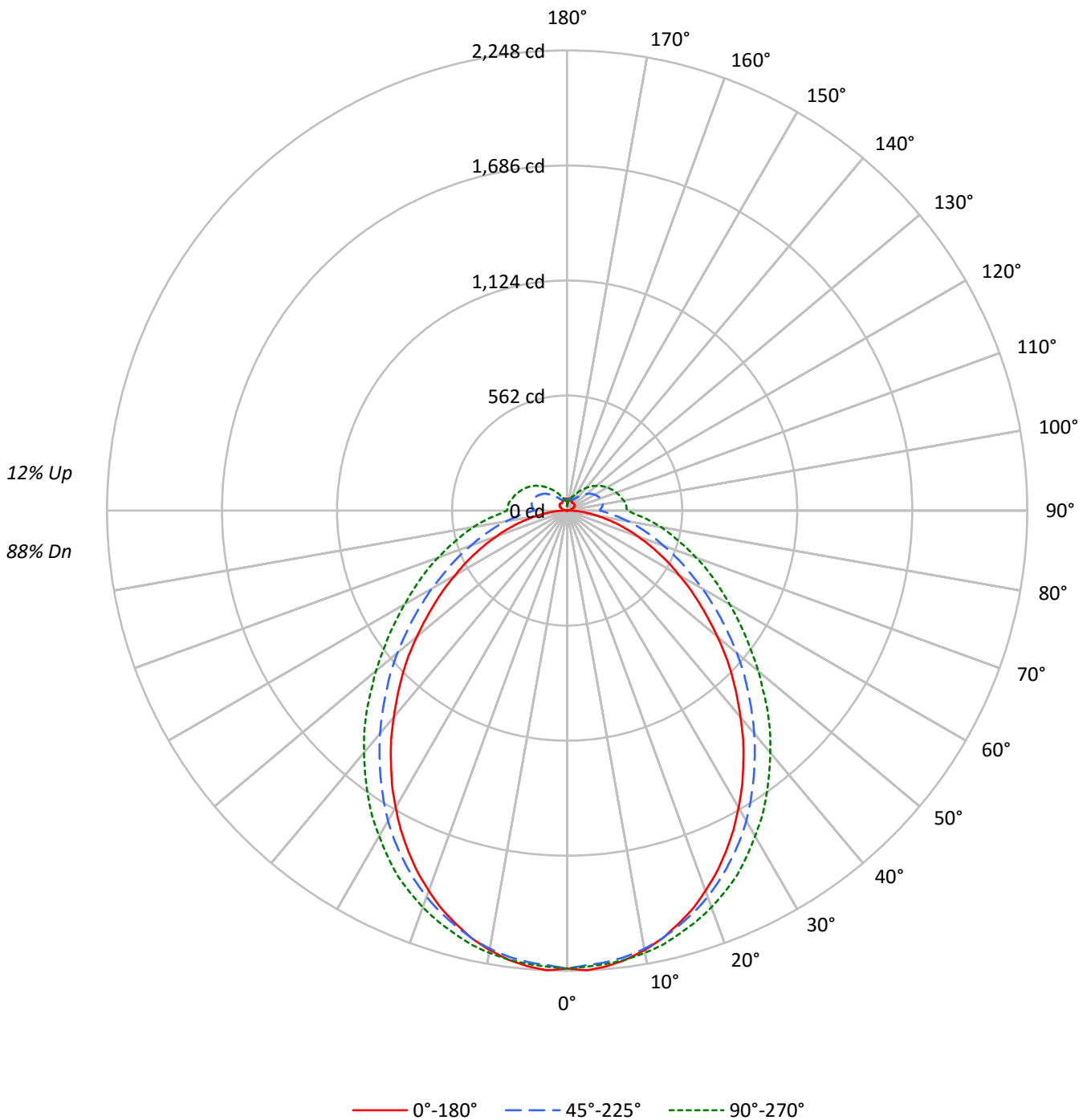
Input Watts (W): 56.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72
2	96	88	81	75	92	85	78	73	79	74	70	74	70	66	69	66	63	60
3	88	77	69	63	84	75	67	61	70	64	59	66	60	56	61	57	54	51
4	80	68	60	53	77	66	58	52	62	56	50	59	53	48	55	50	46	44
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	40	38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	34
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11776	11776	11776
5°	11775	11512	11513
10°	11589	11245	11262
15°	11303	10900	10960
20°	10944	10528	10647
25°	10506	10081	10291
30°	9997	9593	9832
35°	9431	9022	9375
40°	8815	8435	8868
45°	8211	7827	8357
50°	7550	7235	7812
55°	6910	6629	7302
60°	6295	6054	6867
65°	5746	5541	6551
70°	5181	5071	6275
75°	4599	4728	6068
80°	3938	4443	6071
85°	3287	4245	6097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	3.2
10°-20°	595.2	9.0
20°-30°	872.5	13.3
30°-40°	998.3	15.2
40°-50°	970.3	14.7
50°-60°	824.9	12.5
60°-70°	628.7	9.6
70°-80°	426.9	6.5
80°-90°	247.0	3.8
90°-100°	175.6	2.7
100°-110°	171.5	2.6
110°-120°	151.0	2.3
120°-130°	119.7	1.8
130°-140°	83.5	1.3
140°-150°	51.8	0.8
150°-160°	29.6	0.4
160°-170°	16.1	0.2
170°-180°	5.0	0.1
0°-30°	1678.7	25.5
0°-40°	2677.0	40.7
0°-60°	4472.2	68.0
0°-90°	5774.8	87.8
90°-120°	498.1	7.6
90°-150°	753.1	11.4
90°-180°	804.0	12.2
0°-180°	6578.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2237	2237	2237	2237	2237	
5°	2234	2228	2214	2228	2223	212
15°	2092	2096	2101	2135	2137	589
25°	1836	1850	1888	1947	1965	844
35°	1501	1528	1589	1671	1698	938
45°	1139	1170	1250	1347	1386	878
55°	788	822	917	1019	1062	707
65°	494	523	625	743	790	491
75°	254	288	396	512	559	270
85°	75	120	222	330	371	76
90°	0	57	161	263	294	5
95°	4	61	170	267	290	6
105°	20	72	177	256	269	21
115°	36	77	165	231	242	35
125°	45	70	143	195	208	40
135°	48	59	109	154	168	37
145°	45	57	75	111	122	29
155°	50	57	59	70	84	23
165°	57	57	57	54	61	16
175°	59	59	54	43	34	6
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2236.7	2236.7	2236.7	2236.7	2236.7
2.5°	2248.0	2239.0	2223.1	2234.4	2229.9
5°	2234.4	2227.7	2214.1	2227.7	2223.1
7.5°	2211.8	2207.3	2198.2	2214.1	2211.8
10°	2180.1	2177.8	2173.3	2196.0	2193.7
12.5°	2141.6	2141.6	2141.6	2168.8	2171.1
15°	2091.8	2096.3	2100.9	2134.8	2137.1
17.5°	2039.8	2046.5	2057.9	2098.6	2103.1
20°	1976.4	1985.4	2008.1	2055.6	2062.4
22.5°	1910.7	1922.0	1951.5	2003.5	2014.8
25°	1836.0	1849.6	1888.1	1946.9	1965.0
27.5°	1759.0	1777.1	1822.4	1883.5	1901.7
30°	1675.3	1697.9	1750.0	1815.6	1836.0
32.5°	1591.5	1616.4	1670.7	1743.2	1772.6
35°	1500.9	1528.1	1589.2	1670.7	1697.9
37.5°	1412.7	1442.1	1505.5	1593.8	1620.9
40°	1317.6	1356.1	1421.7	1512.3	1544.0
42.5°	1227.0	1263.2	1335.7	1430.8	1467.0
45°	1138.7	1170.4	1249.7	1347.0	1385.5
47.5°	1050.4	1082.1	1168.2	1261.0	1297.2
50°	957.6	989.3	1082.1	1181.7	1220.2
52.5°	871.6	903.3	996.1	1095.7	1136.5
55°	787.8	821.8	916.9	1018.7	1061.8
57.5°	710.9	740.3	837.6	944.0	987.0
60°	631.6	663.3	762.9	871.6	916.9
62.5°	563.7	590.9	688.2	803.7	851.2
65°	493.5	523.0	624.8	742.6	790.1
67.5°	427.9	459.6	561.4	681.4	731.2
70°	366.7	398.4	500.3	622.6	670.1
72.5°	310.2	344.1	446.0	566.0	613.5
75°	253.6	287.5	396.2	511.6	559.2
77.5°	201.5	242.2	348.6	466.4	511.6
80°	153.9	197.0	303.4	418.8	466.4
82.5°	110.9	156.2	260.3	375.8	416.6
85°	74.7	120.0	221.9	330.5	371.3
87.5°	36.2	86.0	187.9	292.0	323.7
90°	0.0	56.6	160.7	262.6	294.3
92.5°	2.3	58.9	163.0	264.9	289.8
95°	4.5	61.1	169.8	267.1	289.8
97.5°	9.1	65.7	174.3	267.1	287.5
100°	13.6	67.9	176.6	264.9	280.7
102.5°	15.8	70.2	176.6	262.6	273.9
105°	20.4	72.4	176.6	255.8	269.4
107.5°	22.6	74.7	176.6	251.3	262.6
110°	27.2	74.7	172.1	244.5	255.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	31.7	74.7	169.8	237.7	249.0
115°	36.2	77.0	165.3	230.9	242.2
117.5°	38.5	74.7	160.7	221.9	233.2
120°	43.0	74.7	153.9	212.8	226.4
122.5°	43.0	72.4	149.4	203.7	217.3
125°	45.3	70.2	142.6	194.7	208.3
127.5°	45.3	67.9	135.8	185.6	199.2
130°	47.5	63.4	126.8	174.3	187.9
132.5°	47.5	61.1	117.7	165.3	178.8
135°	47.5	58.9	108.7	153.9	167.5
137.5°	47.5	58.9	99.6	142.6	156.2
140°	47.5	56.6	90.6	133.6	144.9
142.5°	45.3	56.6	83.8	122.2	133.6
145°	45.3	56.6	74.7	110.9	122.2
147.5°	45.3	56.6	70.2	99.6	110.9
150°	47.5	56.6	63.4	88.3	101.9
152.5°	49.8	56.6	58.9	79.2	92.8
155°	49.8	56.6	58.9	70.2	83.8
157.5°	52.1	56.6	58.9	61.1	74.7
160°	52.1	56.6	58.9	56.6	70.2
162.5°	54.3	56.6	58.9	56.6	65.7
165°	56.6	56.6	56.6	54.3	61.1
167.5°	56.6	58.9	56.6	49.8	58.9
170°	58.9	58.9	56.6	47.5	54.3
172.5°	58.9	58.9	54.3	45.3	43.0
175°	58.9	58.9	54.3	43.0	34.0
177.5°	58.9	58.9	54.3	43.0	20.4
180°	47.5	47.5	47.5	47.5	47.5

(END OF REPORT)