

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: P189026

Luminaire Tested: **RZL-WB-680L8830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189026
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-680L8830-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH LUMINOUS SIDES, SNAP-ON CLEAR LINEAR PRISMATIC LENS AND INTERNAL
BAFFLE
Light Source: (224) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6358.6 lumens
Efficiency: N/A
Efficacy: 112.5 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

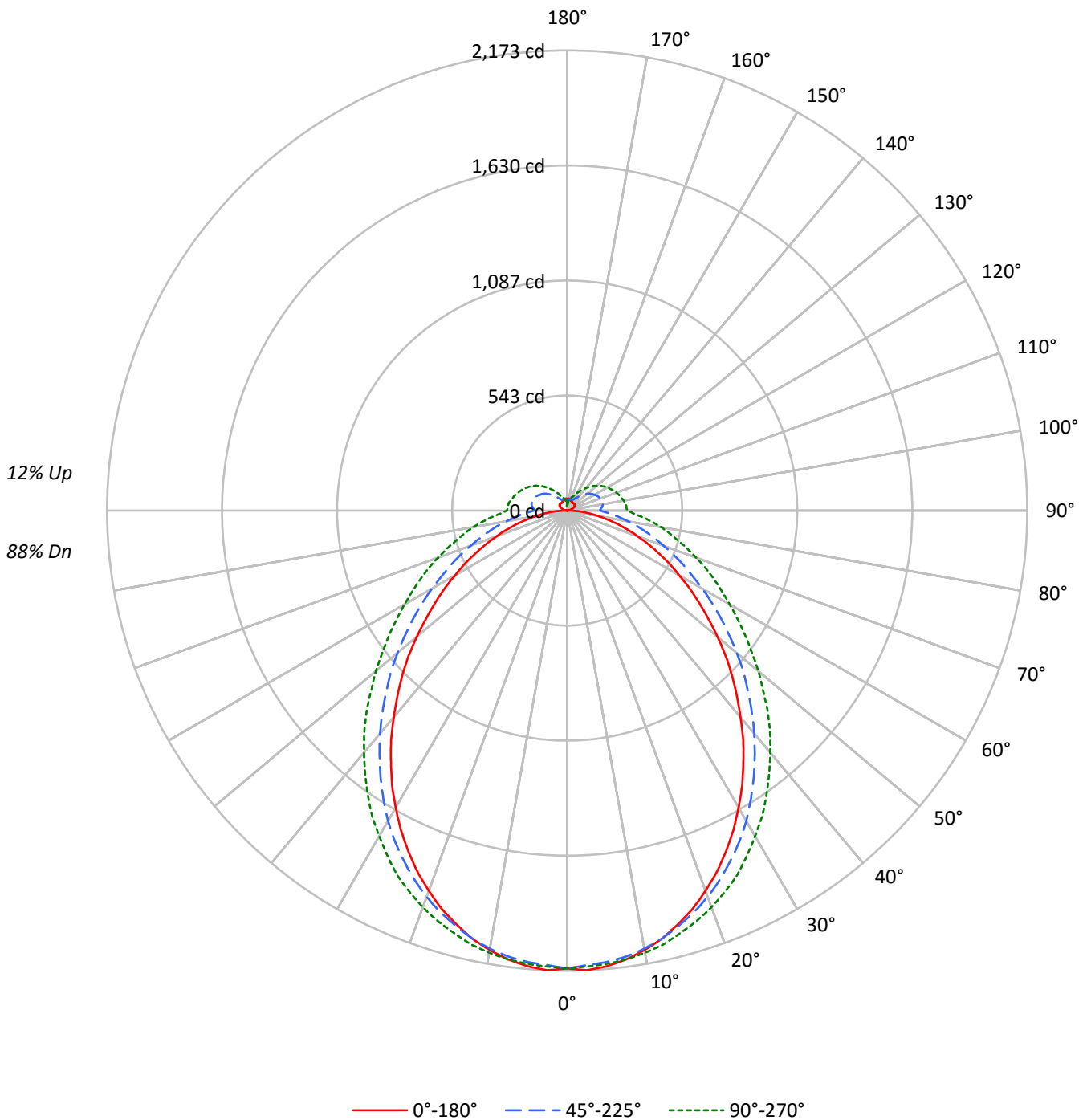
Input Watts (W): 56.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	11382	11382	11382
5°	11382	11126	11128
10°	11201	10868	10886
15°	10925	10535	10594
20°	10578	10175	10291
25°	10155	9744	9946
30°	9663	9273	9503
35°	9117	8720	9061
40°	8520	8153	8571
45°	7937	7565	8078
50°	7298	6993	7551
55°	6679	6407	7058
60°	6085	5851	6637
65°	5554	5355	6332
70°	5008	4902	6065
75°	4445	4570	5865
80°	3807	4293	5868
85°	3177	4101	5893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.0	3.2
10°-20°	575.3	9.0
20°-30°	843.3	13.3
30°-40°	964.9	15.2
40°-50°	937.9	14.7
50°-60°	797.3	12.5
60°-70°	607.7	9.6
70°-80°	412.6	6.5
80°-90°	238.8	3.8
90°-100°	169.7	2.7
100°-110°	165.8	2.6
110°-120°	146.0	2.3
120°-130°	115.7	1.8
130°-140°	80.7	1.3
140°-150°	50.1	0.8
150°-160°	28.6	0.4
160°-170°	15.6	0.2
170°-180°	4.8	0.1
0°-30°	1622.6	25.5
0°-40°	2587.5	40.7
0°-60°	4322.7	68.0
0°-90°	5581.7	87.8
90°-120°	481.5	7.6
90°-150°	727.9	11.4
90°-180°	777.0	12.2
0°-180°	6358.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2162	2162	2162	2162	2162	
5°	2160	2153	2140	2153	2149	204
15°	2022	2026	2031	2064	2066	569
25°	1775	1788	1825	1882	1899	816
35°	1451	1477	1536	1615	1641	907
45°	1101	1131	1208	1302	1339	849
55°	762	794	886	985	1026	683
65°	477	506	604	718	764	474
75°	245	278	383	494	540	261
85°	72	116	214	320	359	74
90°	0	55	155	254	284	5
95°	4	59	164	258	280	6
105°	20	70	171	247	260	20
115°	35	74	160	223	234	34
125°	44	68	138	188	201	39
135°	46	57	105	149	162	36
145°	44	55	72	107	118	28
155°	48	55	57	68	81	22
165°	55	55	55	52	59	15
175°	57	57	52	42	33	5
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2161.9	2161.9	2161.9	2161.9	2161.9
2.5°	2172.9	2164.1	2148.8	2159.7	2155.4
5°	2159.7	2153.2	2140.0	2153.2	2148.8
7.5°	2137.8	2133.5	2124.7	2140.0	2137.8
10°	2107.2	2105.0	2100.6	2122.5	2120.3
12.5°	2070.0	2070.0	2070.0	2096.3	2098.5
15°	2021.9	2026.3	2030.6	2063.5	2065.6
17.5°	1971.5	1978.1	1989.1	2028.4	2032.8
20°	1910.3	1919.0	1940.9	1986.9	1993.4
22.5°	1846.8	1857.8	1886.2	1936.5	1947.5
25°	1774.6	1787.7	1824.9	1881.8	1899.3
27.5°	1700.2	1717.7	1761.5	1820.6	1838.1
30°	1619.3	1641.1	1691.5	1754.9	1774.6
32.5°	1538.3	1562.4	1614.9	1684.9	1713.3
35°	1450.8	1477.0	1536.1	1614.9	1641.1
37.5°	1365.4	1393.9	1455.1	1540.5	1566.7
40°	1273.5	1310.7	1374.2	1461.7	1492.3
42.5°	1186.0	1221.0	1291.0	1382.9	1417.9
45°	1100.7	1131.3	1207.9	1302.0	1339.2
47.5°	1015.3	1045.9	1129.1	1218.8	1253.8
50°	925.6	956.2	1045.9	1142.2	1179.4
52.5°	842.4	873.1	962.8	1059.1	1098.5
55°	761.5	794.3	886.2	984.7	1026.3
57.5°	687.1	715.5	809.6	912.5	954.0
60°	610.5	641.1	737.4	842.4	886.2
62.5°	544.9	571.1	665.2	776.8	822.8
65°	477.0	505.5	603.9	717.7	763.7
67.5°	413.6	444.2	542.7	658.6	706.8
70°	354.5	385.1	483.6	601.7	647.7
72.5°	299.8	332.6	431.1	547.0	593.0
75°	245.1	277.9	382.9	494.5	540.5
77.5°	194.7	234.1	337.0	450.8	494.5
80°	148.8	190.4	293.2	404.8	450.8
82.5°	107.2	151.0	251.6	363.2	402.6
85°	72.2	116.0	214.4	319.5	358.9
87.5°	35.0	83.2	181.6	282.3	312.9
90°	0.0	54.7	155.4	253.8	284.5
92.5°	2.2	56.9	157.5	256.0	280.1
95°	4.4	59.1	164.1	258.2	280.1
97.5°	8.8	63.5	168.5	258.2	277.9
100°	13.1	65.6	170.7	256.0	271.3
102.5°	15.3	67.8	170.7	253.8	264.8
105°	19.7	70.0	170.7	247.3	260.4
107.5°	21.9	72.2	170.7	242.9	253.8
110°	26.3	72.2	166.3	236.3	247.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.6	72.2	164.1	229.8	240.7
115°	35.0	74.4	159.7	223.2	234.1
117.5°	37.2	72.2	155.4	214.4	225.4
120°	41.6	72.2	148.8	205.7	218.8
122.5°	41.6	70.0	144.4	196.9	210.1
125°	43.8	67.8	137.9	188.2	201.3
127.5°	43.8	65.6	131.3	179.4	192.6
130°	46.0	61.3	122.5	168.5	181.6
132.5°	46.0	59.1	113.8	159.7	172.9
135°	46.0	56.9	105.0	148.8	161.9
137.5°	46.0	56.9	96.3	137.9	151.0
140°	46.0	54.7	87.5	129.1	140.0
142.5°	43.8	54.7	81.0	118.2	129.1
145°	43.8	54.7	72.2	107.2	118.2
147.5°	43.8	54.7	67.8	96.3	107.2
150°	46.0	54.7	61.3	85.3	98.5
152.5°	48.1	54.7	56.9	76.6	89.7
155°	48.1	54.7	56.9	67.8	81.0
157.5°	50.3	54.7	56.9	59.1	72.2
160°	50.3	54.7	56.9	54.7	67.8
162.5°	52.5	54.7	56.9	54.7	63.5
165°	54.7	54.7	54.7	52.5	59.1
167.5°	54.7	56.9	54.7	48.1	56.9
170°	56.9	56.9	54.7	46.0	52.5
172.5°	56.9	56.9	52.5	43.8	41.6
175°	56.9	56.9	52.5	41.6	32.8
177.5°	56.9	56.9	52.5	41.6	19.7
180°	46.0	46.0	46.0	46.0	46.0

(END OF REPORT)