

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: P189001

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34816)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-NB-680L8835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH OPAQUE SIDES, CLEAR PRISMATIC LENS, INLAY AND INTERNAL BAFFLE
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6282.1 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.3 / 1.33
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')
CIE Type: Direct

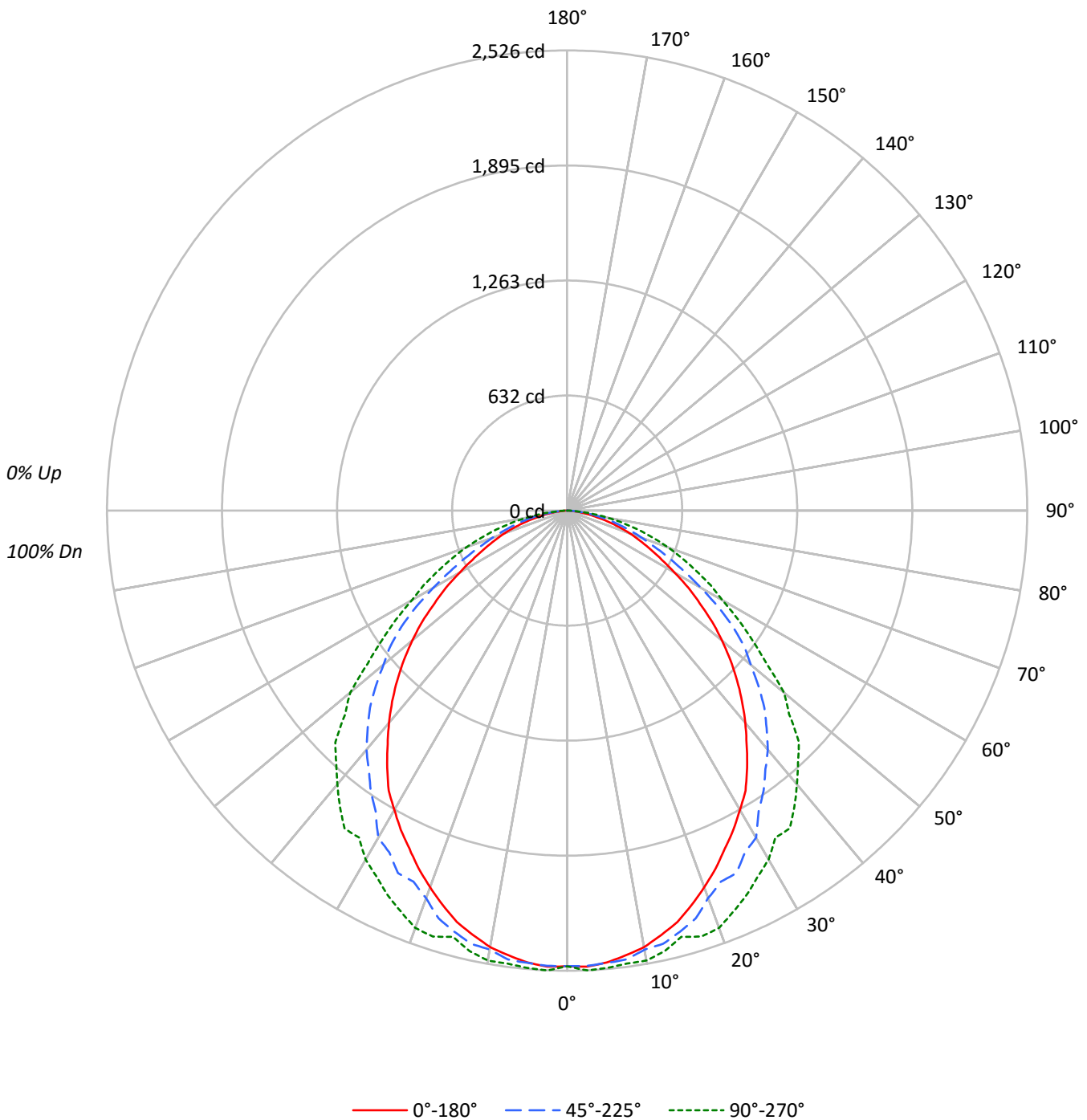
Input Watts (W): 56.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13170	13170	13170
5°	13160	13172	13316
10°	13009	13082	13409
15°	12746	13042	13202
20°	12328	12683	13660
25°	11901	12756	13531
30°	11533	12606	13445
35°	11072	12076	13691
40°	10455	11777	13489
45°	9826	11394	13399
50°	9085	10773	12738
55°	8166	10182	11387
60°	7175	8939	10345
65°	6289	7699	9701
70°	5645	6690	9061
75°	4650	5893	8151
80°	3499	4872	6795
85°	2054	3280	4513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	3.8
10°-20°	674.4	10.7
20°-30°	1008.4	16.1
30°-40°	1185.5	18.9
40°-50°	1186.6	18.9
50°-60°	964.5	15.4
60°-70°	630.4	10.0
70°-80°	323.5	5.1
80°-90°	71.2	1.1
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°	1920.4	30.6
0°-40°	3105.9	49.4
0°-60°	5257.0	83.7
0°-90°	6282.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6282.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2501	2501	2501	2501	2501	
5°	2490	2506	2492	2504	2520	236
15°	2338	2345	2393	2424	2422	657
25°	2049	2085	2196	2284	2329	945
35°	1723	1768	1879	2003	2130	1075
45°	1320	1388	1530	1707	1800	1016
55°	890	955	1109	1198	1240	799
65°	505	541	618	722	779	507
75°	229	231	290	380	401	246
85°	34	38	54	70	75	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2501.4	2501.4	2501.4	2501.4	2501.4
2.5°	2505.9	2494.6	2501.4	2530.8	2526.3
5°	2490.0	2505.9	2492.3	2503.6	2519.5
7.5°	2462.9	2487.8	2485.5	2494.6	2508.1
10°	2433.4	2444.8	2447.0	2496.8	2508.1
12.5°	2385.9	2408.5	2435.7	2453.8	2476.5
15°	2338.4	2345.2	2392.7	2424.4	2422.1
17.5°	2270.5	2295.4	2347.4	2374.6	2451.6
20°	2200.3	2241.0	2263.7	2410.8	2438.0
22.5°	2127.9	2166.3	2204.8	2370.1	2383.6
25°	2048.6	2084.8	2195.8	2284.0	2329.3
27.5°	1976.2	2012.4	2114.3	2238.8	2265.9
30°	1897.0	1940.0	2073.5	2170.9	2211.6
32.5°	1822.3	1847.2	1955.8	2096.2	2127.9
35°	1722.7	1767.9	1878.8	2003.3	2130.1
37.5°	1618.5	1666.1	1788.3	1978.4	2048.6
40°	1521.2	1580.0	1713.6	1881.1	1962.6
42.5°	1421.6	1491.8	1620.8	1797.4	1876.6
45°	1319.7	1387.6	1530.2	1706.8	1799.6
47.5°	1215.6	1283.5	1423.8	1616.3	1652.5
50°	1109.2	1174.8	1315.2	1464.6	1555.1
52.5°	1002.8	1061.7	1224.6	1331.0	1380.8
55°	889.6	955.3	1109.2	1197.5	1240.5
57.5°	790.0	842.1	980.2	1050.3	1113.7
60°	681.4	738.0	848.9	925.8	982.4
62.5°	586.3	638.4	724.4	824.0	887.4
65°	504.8	541.0	618.0	722.1	778.7
67.5°	434.6	452.7	516.1	636.1	681.4
70°	366.7	373.5	434.6	550.1	588.6
72.5°	296.5	298.8	359.9	461.8	491.2
75°	228.6	230.9	289.7	380.3	400.7
77.5°	167.5	172.0	224.1	296.5	312.4
80°	115.4	120.0	160.7	208.3	224.1
82.5°	70.2	74.7	101.9	138.1	147.1
85°	34.0	38.5	54.3	70.2	74.7
87.5°	11.3	13.6	20.4	24.9	24.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)