

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: P188996

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P188996  
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-680L8830-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH OPAQUE SIDES, CLEAR PRISMATIC LENS, INLAY AND INTERNAL BAFFLE  
Light Source: (224) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6072.0 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

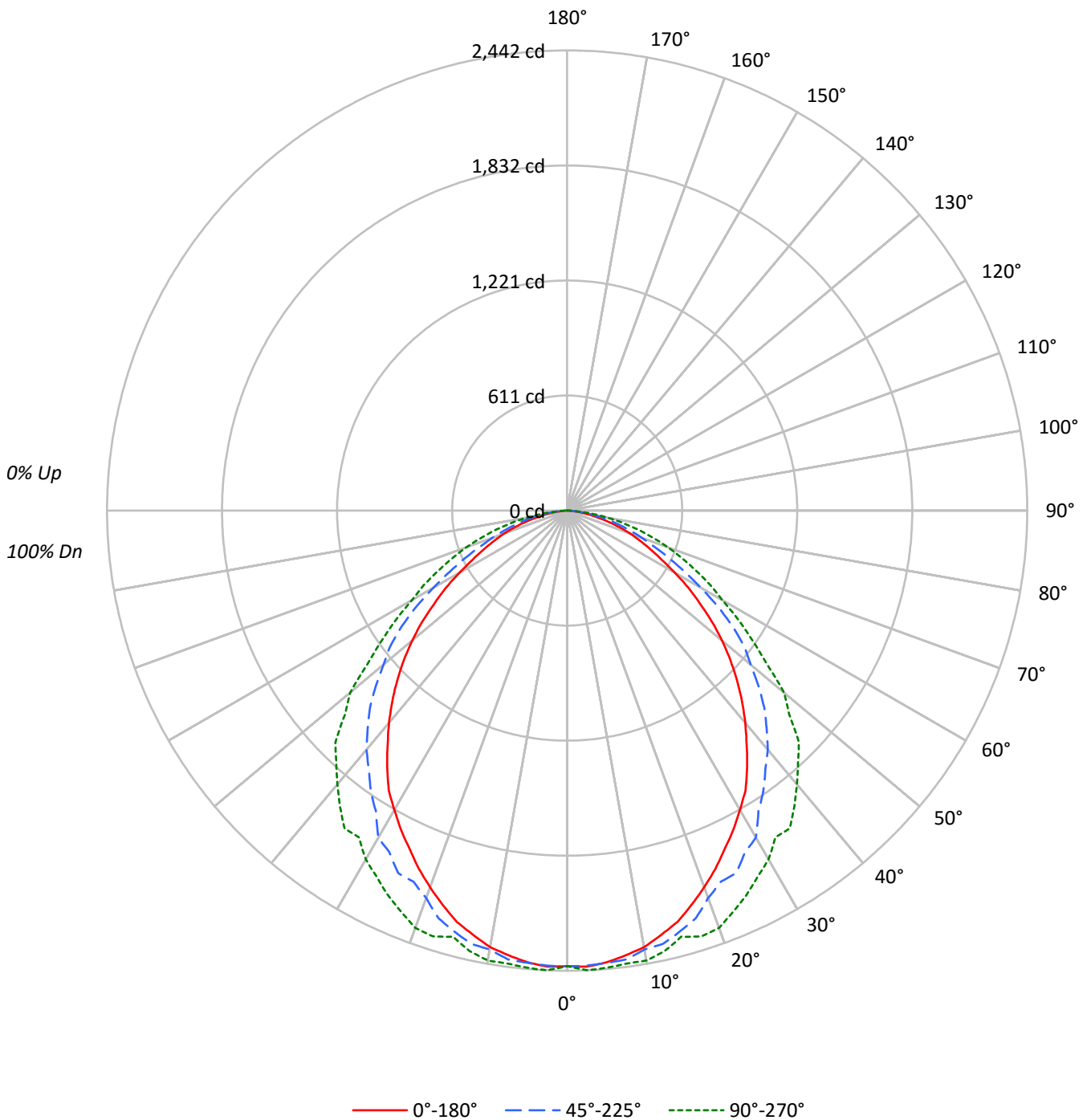
Input Watts (W): 56.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	12729	12729	12729
5°	12720	12732	12870
10°	12575	12645	12961
15°	12320	12606	12761
20°	11916	12259	13203
25°	11503	12329	13079
30°	11147	12184	12996
35°	10702	11672	13233
40°	10105	11384	13038
45°	9498	11013	12951
50°	8781	10412	12312
55°	7893	9841	11006
60°	6935	8640	9999
65°	6078	7441	9377
70°	5457	6467	8757
75°	4496	5698	7879
80°	3384	4709	6567
85°	1981	3171	4362



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.7	3.8
10°-20°	651.8	10.7
20°-30°	974.6	16.1
30°-40°	1145.9	18.9
40°-50°	1146.9	18.9
50°-60°	932.3	15.4
60°-70°	609.3	10.0
70°-80°	312.7	5.1
80°-90°	68.8	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°	1856.2	30.6
0°-40°	3002.0	49.4
0°-60°	5081.2	83.7
0°-90°	6072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6072.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2418	2418	2418	2418	2418	
5°	2407	2422	2409	2420	2435	228
15°	2260	2267	2313	2343	2341	635
25°	1980	2015	2122	2208	2251	913
35°	1665	1709	1816	1936	2059	1039
45°	1276	1341	1479	1650	1739	982
55°	860	923	1072	1157	1199	772
65°	488	523	597	698	753	490
75°	221	223	280	368	387	238
85°	33	37	52	68	72	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2417.7	2417.7	2417.7	2417.7	2417.7
2.5°	2422.1	2411.2	2417.7	2446.2	2441.8
5°	2406.8	2422.1	2409.0	2419.9	2435.2
7.5°	2380.5	2404.6	2402.4	2411.2	2424.3
10°	2352.1	2363.0	2365.2	2413.3	2424.3
12.5°	2306.1	2328.0	2354.3	2371.8	2393.6
15°	2260.2	2266.7	2312.7	2343.3	2341.1
17.5°	2194.5	2218.6	2268.9	2295.2	2369.6
20°	2126.7	2166.1	2188.0	2330.2	2356.5
22.5°	2056.7	2093.9	2131.1	2290.8	2303.9
25°	1980.1	2015.1	2122.3	2207.7	2251.4
27.5°	1910.1	1945.1	2043.6	2163.9	2190.2
30°	1833.5	1875.1	2004.2	2098.3	2137.7
32.5°	1761.3	1785.4	1890.4	2026.1	2056.7
35°	1665.1	1708.8	1816.0	1936.4	2058.9
37.5°	1564.4	1610.4	1728.5	1912.3	1980.1
40°	1470.3	1527.2	1656.3	1818.2	1897.0
42.5°	1374.1	1441.9	1566.6	1737.3	1813.8
45°	1275.6	1341.2	1479.1	1649.7	1739.4
47.5°	1174.9	1240.6	1376.2	1562.2	1597.2
50°	1072.1	1135.6	1271.2	1415.6	1503.1
52.5°	969.3	1026.2	1183.7	1286.5	1334.7
55°	859.9	923.3	1072.1	1157.4	1199.0
57.5°	763.6	813.9	947.4	1015.2	1076.5
60°	658.6	713.3	820.5	894.9	949.6
62.5°	566.7	617.0	700.2	796.4	857.7
65°	487.9	522.9	597.3	698.0	752.7
67.5°	420.1	437.6	498.9	614.8	658.6
70°	354.5	361.0	420.1	531.7	568.9
72.5°	286.6	288.8	347.9	446.3	474.8
75°	221.0	223.2	280.1	367.6	387.3
77.5°	161.9	166.3	216.6	286.6	301.9
80°	111.6	116.0	155.3	201.3	216.6
82.5°	67.8	72.2	98.5	133.5	142.2
85°	32.8	37.2	52.5	67.8	72.2
87.5°	10.9	13.1	19.7	24.1	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)