

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: P189016

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34812)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-NL-680L8835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH SOLID ALUMINUM SIDES, FROSTED LINEAR PRISMATIC LENS AND INLAY
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6807.2 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')
CIE Type: Direct

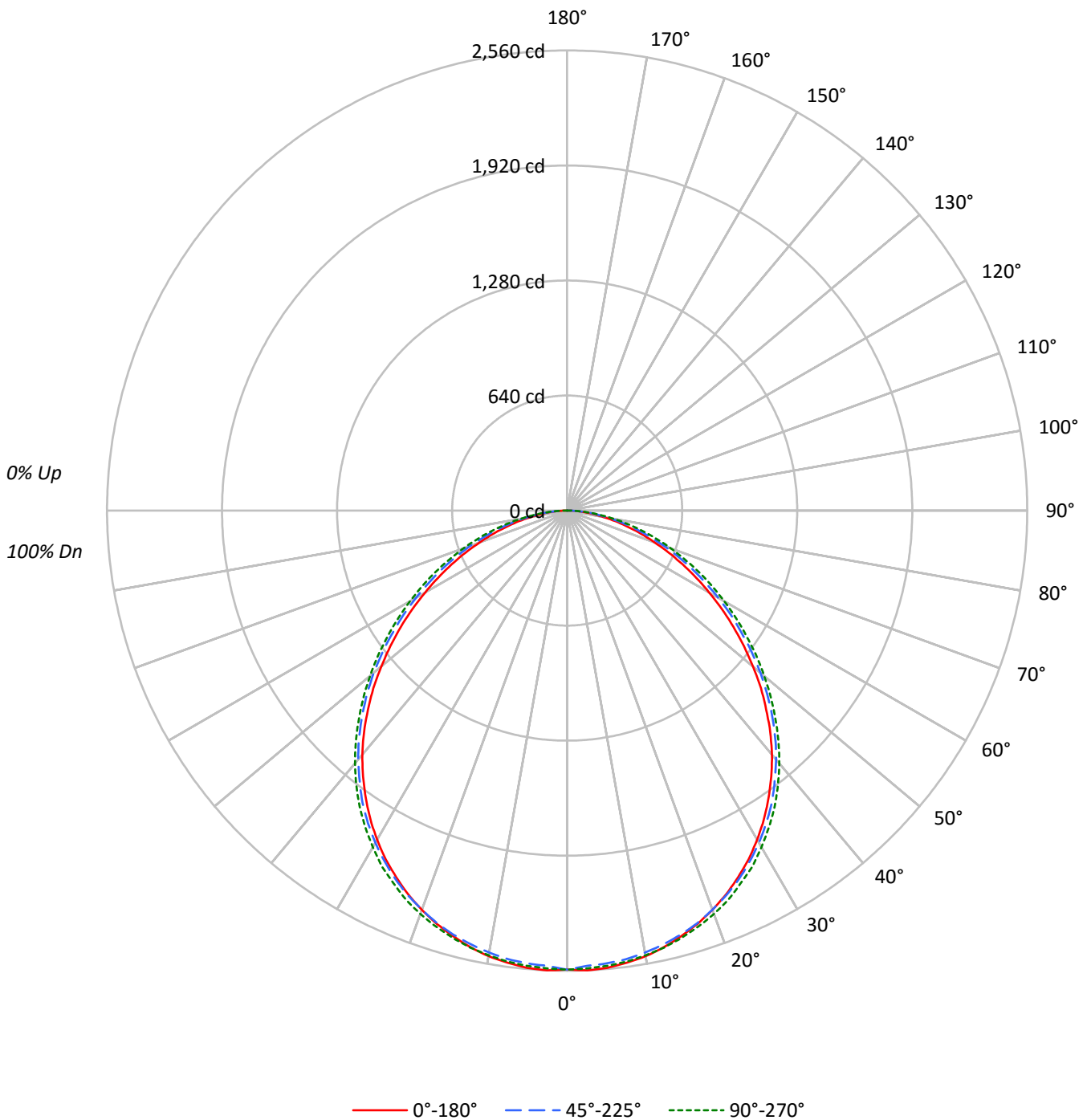
Input Watts (W): 56.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13444	13444	13444
5°	13495	13364	13436
10°	13458	13349	13434
15°	13363	13314	13413
20°	13241	13241	13381
25°	13072	13138	13282
30°	12854	12978	13143
35°	12556	12760	12935
40°	12182	12431	12618
45°	11664	12001	12203
50°	11051	11496	11719
55°	10369	10867	11179
60°	9606	10226	10631
65°	8828	9532	10069
70°	7980	8782	9444
75°	7138	8013	8749
80°	6176	7207	7962
85°	5195	6289	6838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.6	3.5
10°-20°	692.2	10.2
20°-30°	1044.9	15.4
30°-40°	1240.2	18.2
40°-50°	1240.8	18.2
50°-60°	1057.4	15.5
60°-70°	755.7	11.1
70°-80°	417.2	6.1
80°-90°	117.2	1.7
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°	1978.7	29.1
0°-40°	3218.9	47.3
0°-60°	5517.1	81.0
0°-90°	6807.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6807.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2554	2554	2554	2554	2554	
5°	2554	2544	2529	2547	2542	243
15°	2452	2449	2443	2465	2461	692
25°	2250	2255	2262	2291	2286	1037
35°	1954	1965	1985	2008	2012	1221
45°	1566	1587	1612	1639	1639	1208
55°	1130	1150	1184	1216	1218	1011
65°	709	724	765	801	808	704
75°	351	360	394	423	430	374
85°	86	90	104	113	113	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2553.5	2553.5	2553.5	2553.5	2553.5
2.5°	2560.3	2551.2	2535.4	2551.2	2549.0
5°	2553.5	2544.4	2528.6	2546.7	2542.2
7.5°	2537.7	2528.6	2517.3	2533.1	2530.9
10°	2517.3	2508.2	2496.9	2517.3	2512.8
12.5°	2487.9	2483.3	2472.0	2494.6	2490.1
15°	2451.6	2449.4	2442.6	2465.2	2460.7
17.5°	2410.9	2408.6	2406.4	2431.3	2426.7
20°	2363.3	2363.3	2363.3	2388.2	2388.2
22.5°	2311.3	2311.3	2315.8	2343.0	2343.0
25°	2250.2	2254.7	2261.5	2290.9	2286.4
27.5°	2186.8	2191.3	2200.4	2232.1	2232.1
30°	2114.3	2121.1	2134.7	2161.9	2161.9
32.5°	2037.4	2046.4	2062.3	2089.4	2089.4
35°	1953.6	1964.9	1985.3	2007.9	2012.5
37.5°	1865.3	1874.4	1897.0	1926.4	1926.4
40°	1772.5	1786.1	1808.7	1835.9	1835.9
42.5°	1672.9	1686.5	1713.7	1738.6	1740.8
45°	1566.5	1586.9	1611.8	1638.9	1638.9
47.5°	1462.4	1480.5	1509.9	1532.6	1537.1
50°	1349.2	1374.1	1403.5	1428.4	1430.7
52.5°	1240.5	1263.2	1294.9	1324.3	1326.6
55°	1129.6	1150.0	1183.9	1215.6	1217.9
57.5°	1023.2	1043.6	1079.8	1111.5	1113.8
60°	912.3	930.4	971.1	1002.8	1009.6
62.5°	810.4	828.5	864.7	903.2	907.8
65°	708.6	724.4	765.1	801.4	808.2
67.5°	611.2	624.8	665.5	699.5	706.3
70°	518.4	532.0	570.5	604.4	613.5
72.5°	432.4	443.7	479.9	511.6	520.7
75°	350.9	359.9	393.9	423.3	430.1
77.5°	273.9	283.0	312.4	339.6	344.1
80°	203.7	210.5	237.7	258.1	262.6
82.5°	142.6	149.4	167.5	183.4	185.6
85°	86.0	90.5	104.1	113.2	113.2
87.5°	40.7	40.7	47.5	49.8	47.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)