

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: P189066

Luminaire Tested: **RZL-WF-680L8840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34815)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RZL-WF-680L8840-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6824.8 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.27 / 1.33
Luminous Opening: Rectangular (W 0.53' x L: 3.83' x H: 0')
CIE Type: Direct

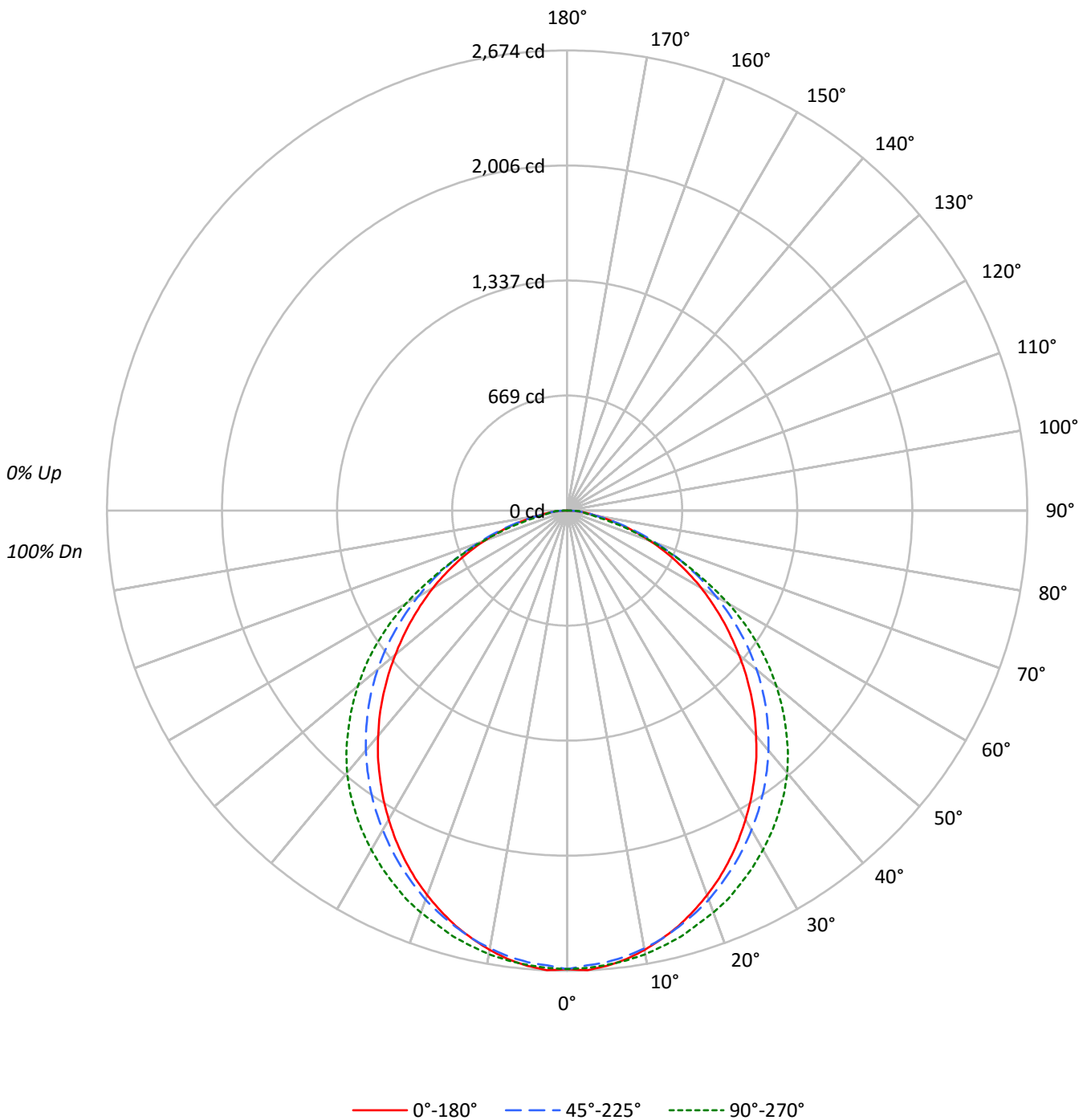
Input Watts (W): 56.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14027	14027	14027
5°	14032	13921	14008
10°	13858	13809	13995
15°	13622	13647	13964
20°	13324	13480	13924
25°	12991	13261	13882
30°	12605	13029	13835
35°	12189	12787	13774
40°	11739	12507	13674
45°	11245	12180	13393
50°	10673	11778	12999
55°	10081	11213	12409
60°	9482	10536	11393
65°	8726	9682	9827
70°	7845	8454	8060
75°	6721	6959	5822
80°	5221	5151	3951
85°	4500	4639	5201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	3.7
10°-20°	710.7	10.4
20°-30°	1059.8	15.5
30°-40°	1254.0	18.4
40°-50°	1267.3	18.6
50°-60°	1091.3	16.0
60°-70°	752.8	11.0
70°-80°	350.5	5.1
80°-90°	87.3	1.3
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°	2021.6	29.6
0°-40°	3275.6	48.0
0°-60°	5634.2	82.6
0°-90°	6824.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6824.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2664	2664	2664	2664	2664	
5°	2655	2646	2634	2655	2650	251
15°	2499	2497	2504	2550	2562	704
25°	2236	2248	2283	2362	2390	1029
35°	1896	1922	1990	2090	2143	1186
45°	1510	1550	1636	1740	1799	1164
55°	1098	1142	1222	1298	1352	983
65°	700	733	777	784	789	695
75°	330	347	342	305	286	352
85°	74	77	77	84	86	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2664.3	2664.3	2664.3	2664.3	2664.3
2.5°	2673.6	2662.0	2645.7	2664.3	2659.7
5°	2655.0	2645.7	2634.1	2655.0	2650.4
7.5°	2629.4	2620.1	2613.1	2638.7	2636.4
10°	2592.2	2587.5	2582.9	2615.5	2617.8
12.5°	2548.0	2545.7	2548.0	2585.2	2589.9
15°	2499.1	2496.8	2503.8	2550.3	2561.9
17.5°	2440.9	2443.3	2457.2	2508.4	2520.1
20°	2378.1	2382.8	2406.0	2466.5	2485.2
22.5°	2310.6	2317.6	2345.5	2415.3	2443.3
25°	2236.2	2247.8	2282.7	2361.8	2389.7
27.5°	2157.1	2171.0	2215.2	2299.0	2336.2
30°	2073.3	2091.9	2143.1	2233.8	2275.7
32.5°	1987.2	2008.1	2068.6	2164.0	2212.9
35°	1896.4	1922.0	1989.5	2089.6	2143.1
37.5°	1805.7	1833.6	1905.7	2012.8	2071.0
40°	1708.0	1738.2	1819.7	1929.0	1989.5
42.5°	1612.6	1645.1	1728.9	1840.6	1898.8
45°	1510.2	1549.7	1635.8	1740.5	1798.7
47.5°	1407.8	1447.3	1538.1	1633.5	1696.3
50°	1303.1	1347.3	1438.0	1526.5	1587.0
52.5°	1200.7	1249.6	1333.3	1414.8	1475.3
55°	1098.3	1142.5	1221.6	1298.4	1351.9
57.5°	998.2	1040.1	1112.3	1177.4	1221.6
60°	900.5	937.7	1000.6	1049.4	1082.0
62.5°	800.5	837.7	888.9	916.8	933.1
65°	700.4	733.0	777.2	784.2	788.8
67.5°	605.0	635.2	663.2	651.5	653.9
70°	509.6	535.2	549.2	525.9	523.6
72.5°	418.8	437.5	444.4	411.9	400.2
75°	330.4	346.7	342.1	304.8	286.2
77.5°	246.7	260.6	249.0	209.4	186.2
80°	172.2	179.2	169.9	137.3	130.3
82.5°	121.0	121.0	114.0	111.7	109.4
85°	74.5	76.8	76.8	83.8	86.1
87.5°	32.6	37.2	41.9	58.2	62.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)