

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: P189061

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189061
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-680L8835-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6662.4 lumens
Efficiency: N/A
Efficacy: 117.9 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

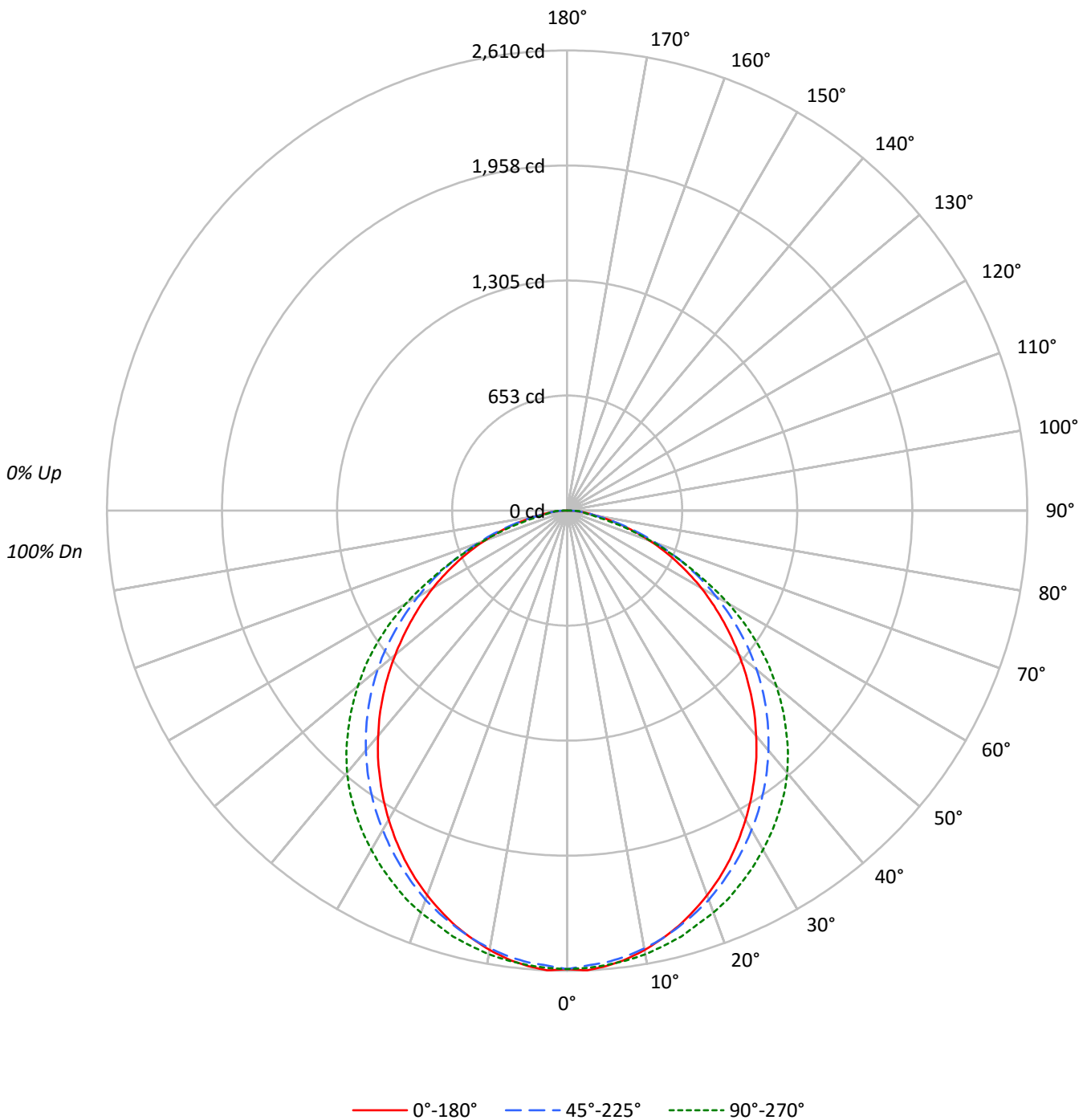
Input Watts (W): 56.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	13694	13694	13694
5°	13698	13590	13674
10°	13529	13480	13662
15°	13298	13323	13632
20°	13007	13160	13593
25°	12681	12945	13552
30°	12304	12719	13506
35°	11899	12483	13447
40°	11459	12208	13349
45°	10977	11890	13074
50°	10420	11498	12689
55°	9842	10947	12115
60°	9257	10286	11123
65°	8518	9452	9594
70°	7658	8253	7868
75°	6562	6792	5684
80°	5097	5027	3857
85°	4392	4531	5074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.1	3.7
10°-20°	693.8	10.4
20°-30°	1034.6	15.5
30°-40°	1224.2	18.4
40°-50°	1237.1	18.6
50°-60°	1065.4	16.0
60°-70°	734.9	11.0
70°-80°	342.1	5.1
80°-90°	85.2	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°	1973.5	29.6
0°-40°	3197.7	48.0
0°-60°	5500.1	82.6
0°-90°	6662.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6662.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2601	2601	2601	2601	2601	
5°	2592	2583	2571	2592	2587	245
15°	2440	2437	2444	2490	2501	687
25°	2183	2194	2228	2306	2333	1005
35°	1851	1876	1942	2040	2092	1158
45°	1474	1513	1597	1699	1756	1137
55°	1072	1115	1193	1268	1320	960
65°	684	716	759	766	770	679
75°	323	338	334	298	279	344
85°	73	75	75	82	84	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2600.9	2600.9	2600.9	2600.9	2600.9
2.5°	2610.0	2598.6	2582.7	2600.9	2596.4
5°	2591.8	2582.7	2571.4	2591.8	2587.3
7.5°	2566.8	2557.8	2550.9	2575.9	2573.7
10°	2530.5	2525.9	2521.4	2553.2	2555.5
12.5°	2487.3	2485.1	2487.3	2523.7	2528.2
15°	2439.6	2437.4	2444.2	2489.6	2501.0
17.5°	2382.8	2385.1	2398.7	2448.7	2460.1
20°	2321.5	2326.1	2348.8	2407.8	2426.0
22.5°	2255.6	2262.5	2289.7	2357.9	2385.1
25°	2182.9	2194.3	2228.4	2305.6	2332.9
27.5°	2105.7	2119.3	2162.5	2244.3	2280.6
30°	2023.9	2042.1	2092.1	2180.7	2221.6
32.5°	1939.9	1960.3	2019.4	2112.5	2160.2
35°	1851.3	1876.3	1942.2	2039.8	2092.1
37.5°	1762.7	1790.0	1860.4	1964.9	2021.7
40°	1667.3	1696.8	1776.3	1883.1	1942.2
42.5°	1574.2	1606.0	1687.8	1796.8	1853.6
45°	1474.2	1512.8	1596.9	1699.1	1755.9
47.5°	1374.3	1412.9	1501.5	1594.6	1656.0
50°	1272.1	1315.2	1403.8	1490.1	1549.2
52.5°	1172.1	1219.8	1301.6	1381.1	1440.2
55°	1072.2	1115.3	1192.6	1267.5	1319.8
57.5°	974.5	1015.4	1085.8	1149.4	1192.6
60°	879.1	915.4	976.8	1024.5	1056.3
62.5°	781.4	817.8	867.7	895.0	910.9
65°	683.7	715.5	758.7	765.5	770.1
67.5°	590.6	620.1	647.4	636.0	638.3
70°	497.5	522.5	536.1	513.4	511.1
72.5°	408.9	427.0	433.9	402.1	390.7
75°	322.6	338.5	333.9	297.6	279.4
77.5°	240.8	254.4	243.1	204.4	181.7
80°	168.1	174.9	165.8	134.0	127.2
82.5°	118.1	118.1	111.3	109.0	106.8
85°	72.7	75.0	75.0	81.8	84.0
87.5°	31.8	36.3	40.9	56.8	61.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)