

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: P189060

Luminaire Tested: **RZL-WF-50L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189060
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-50L835-1D-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: 5107.6 lumens
Efficiency: N/A
Efficacy: 124.9 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

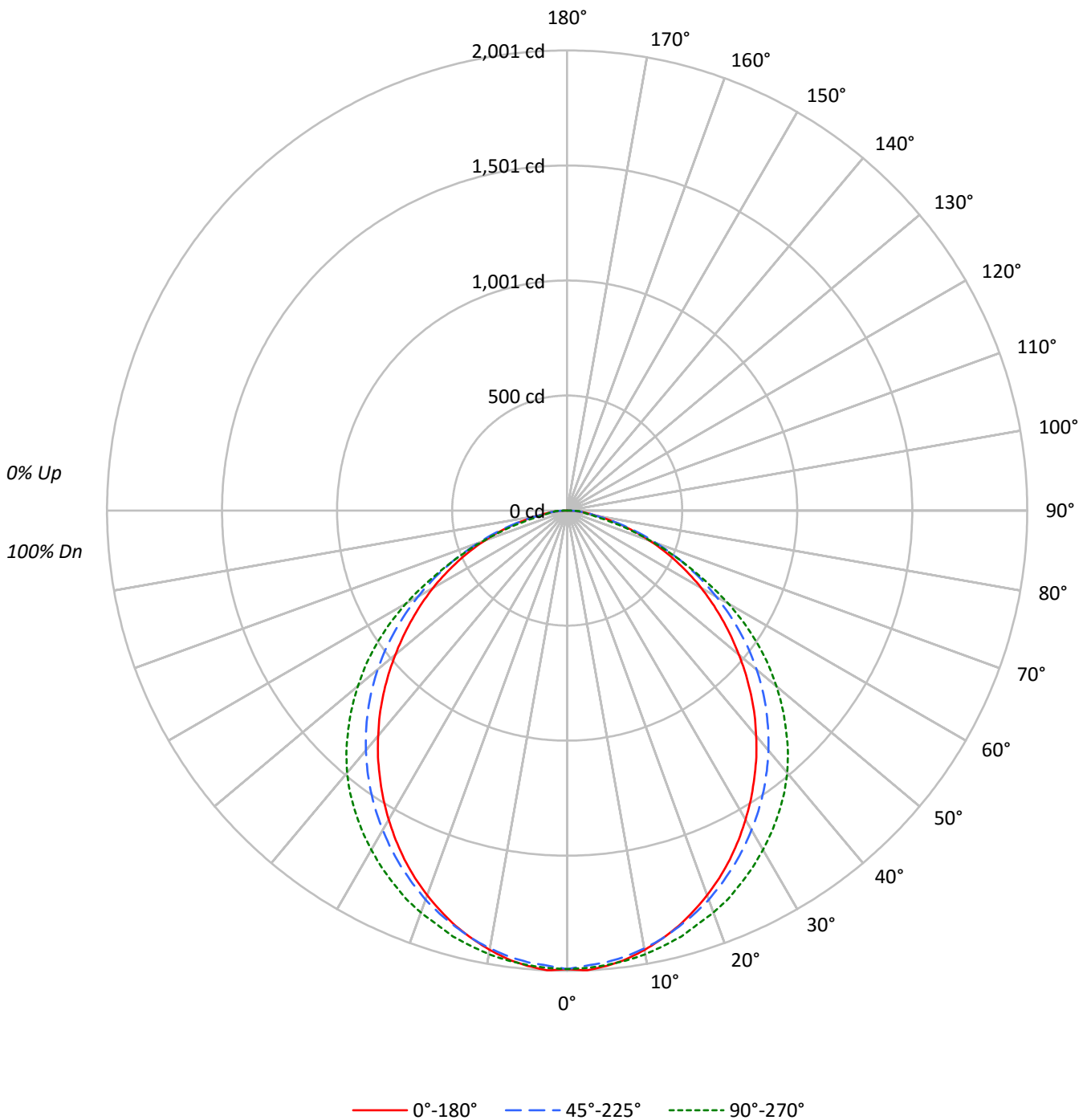
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10498	10498	10498
5°	10501	10418	10483
10°	10372	10334	10474
15°	10194	10214	10451
20°	9971	10089	10421
25°	9722	9924	10390
30°	9433	9751	10354
35°	9122	9570	10309
40°	8785	9360	10233
45°	8415	9115	10023
50°	7988	8815	9728
55°	7545	8393	9287
60°	7096	7885	8527
65°	6530	7246	7354
70°	5871	6327	6031
75°	5031	5208	4357
80°	3908	3854	2956
85°	3365	3473	3890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.9	3.7
10°-20°	531.9	10.4
20°-30°	793.2	15.5
30°-40°	938.5	18.4
40°-50°	948.4	18.6
50°-60°	816.7	16.0
60°-70°	563.4	11.0
70°-80°	262.3	5.1
80°-90°	65.3	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°	1512.9	29.6
0°-40°	2451.4	48.0
0°-60°	4216.6	82.6
0°-90°	5107.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5107.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1994	1994	1994	1994	1994	
5°	1987	1980	1971	1987	1984	188
15°	1870	1869	1874	1909	1917	527
25°	1674	1682	1708	1768	1788	770
35°	1419	1438	1489	1564	1604	888
45°	1130	1160	1224	1303	1346	871
55°	822	855	914	972	1012	736
65°	524	549	582	587	590	520
75°	247	260	256	228	214	264
85°	56	58	58	63	64	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1993.9	1993.9	1993.9	1993.9	1993.9
2.5°	2000.9	1992.2	1980.0	1993.9	1990.5
5°	1987.0	1980.0	1971.3	1987.0	1983.5
7.5°	1967.8	1960.9	1955.6	1974.8	1973.0
10°	1940.0	1936.5	1933.0	1957.4	1959.1
12.5°	1906.9	1905.1	1906.9	1934.7	1938.2
15°	1870.3	1868.6	1873.8	1908.6	1917.3
17.5°	1826.8	1828.5	1839.0	1877.3	1886.0
20°	1779.7	1783.2	1800.6	1845.9	1859.9
22.5°	1729.2	1734.5	1755.4	1807.6	1828.5
25°	1673.5	1682.2	1708.3	1767.6	1788.5
27.5°	1614.3	1624.8	1657.8	1720.5	1748.4
30°	1551.6	1565.6	1603.9	1671.8	1703.1
32.5°	1487.2	1502.9	1548.1	1619.5	1656.1
35°	1419.3	1438.4	1488.9	1563.8	1603.9
37.5°	1351.4	1372.3	1426.2	1506.3	1549.9
40°	1278.2	1300.9	1361.8	1443.7	1488.9
42.5°	1206.8	1231.2	1293.9	1377.5	1421.0
45°	1130.2	1159.8	1224.2	1302.6	1346.1
47.5°	1053.6	1083.2	1151.1	1222.5	1269.5
50°	975.2	1008.3	1076.2	1142.4	1187.7
52.5°	898.6	935.2	997.8	1058.8	1104.1
55°	822.0	855.0	914.3	971.7	1011.8
57.5°	747.1	778.4	832.4	881.2	914.3
60°	673.9	701.8	748.8	785.4	809.8
62.5°	599.1	626.9	665.2	686.1	698.3
65°	524.2	548.6	581.6	586.9	590.3
67.5°	452.8	475.4	496.3	487.6	489.3
70°	381.4	400.5	411.0	393.6	391.8
72.5°	313.5	327.4	332.6	308.2	299.5
75°	247.3	259.5	256.0	228.1	214.2
77.5°	184.6	195.0	186.3	156.7	139.3
80°	128.9	134.1	127.1	102.7	97.5
82.5°	90.6	90.6	85.3	83.6	81.8
85°	55.7	57.5	57.5	62.7	64.4
87.5°	24.4	27.9	31.3	43.5	47.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)