

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: P189064

Luminaire Tested: **RZL-WF-40L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189064
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-40L840-1D-UNV-STD-W-4
Description: RZL LINEAR LED FIXTURE
WITH PERFORATED SIDES, 11-CELL LOUVER AND CURVED SMOOTH FROSTED LENS
Light Source: (112) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4134.0 lumens
Efficiency: N/A
Efficacy: 119.1 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

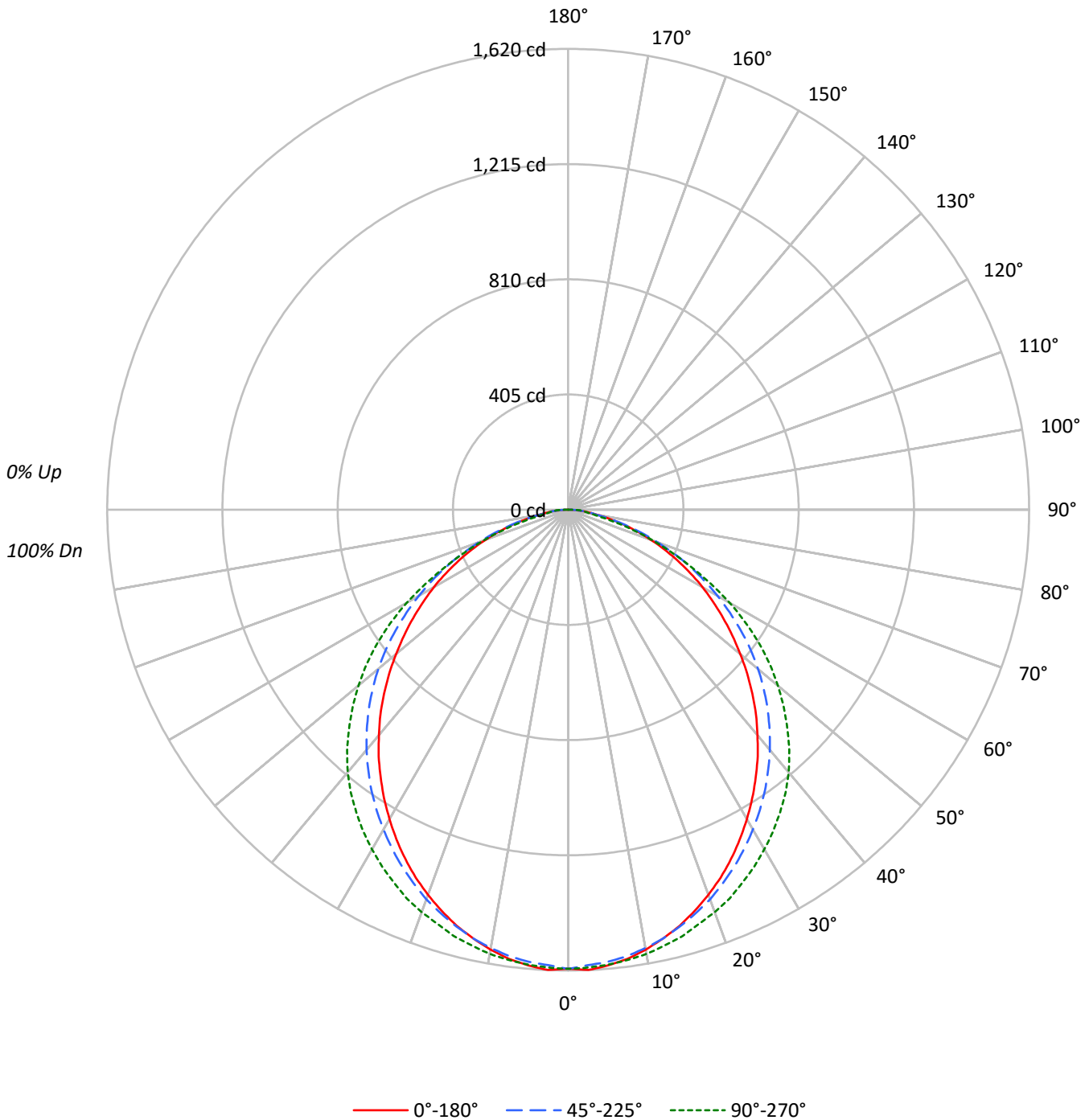
Input Watts (W): 34.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8497	8497	8497
5°	8499	8432	8485
10°	8395	8364	8477
15°	8251	8267	8458
20°	8071	8166	8434
25°	7869	8032	8409
30°	7635	7892	8381
35°	7383	7746	8343
40°	7111	7575	8283
45°	6811	7378	8112
50°	6465	7135	7874
55°	6107	6793	7517
60°	5744	6382	6901
65°	5286	5865	5952
70°	4752	5120	4881
75°	4070	4215	3527
80°	3162	3120	2392
85°	2724	2809	3153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	3.7
10°-20°	430.5	10.4
20°-30°	642.0	15.5
30°-40°	759.6	18.4
40°-50°	767.6	18.6
50°-60°	661.1	16.0
60°-70°	456.0	11.0
70°-80°	212.3	5.1
80°-90°	52.9	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°	1224.6	29.6
0°-40°	1984.2	48.0
0°-60°	3412.8	82.6
0°-90°	4134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1614	1614	1614	1614	1614	
5°	1608	1603	1596	1608	1605	152
15°	1514	1512	1517	1545	1552	426
25°	1354	1362	1383	1431	1448	623
35°	1149	1164	1205	1266	1298	718
45°	915	939	991	1054	1090	705
55°	665	692	740	786	819	596
65°	424	444	471	475	478	421
75°	200	210	207	185	173	213
85°	45	46	46	51	52	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1613.9	1613.9	1613.9	1613.9	1613.9
2.5°	1619.5	1612.5	1602.6	1613.9	1611.0
5°	1608.2	1602.6	1595.5	1608.2	1605.4
7.5°	1592.7	1587.1	1582.9	1598.4	1597.0
10°	1570.2	1567.4	1564.5	1584.3	1585.7
12.5°	1543.4	1542.0	1543.4	1565.9	1568.8
15°	1513.8	1512.4	1516.6	1544.8	1551.8
17.5°	1478.6	1480.0	1488.4	1519.4	1526.5
20°	1440.5	1443.3	1457.4	1494.1	1505.3
22.5°	1399.6	1403.9	1420.8	1463.0	1480.0
25°	1354.5	1361.6	1382.7	1430.6	1447.5
27.5°	1306.6	1315.1	1341.8	1392.6	1415.1
30°	1255.9	1267.1	1298.1	1353.1	1378.5
32.5°	1203.7	1216.4	1253.0	1310.8	1340.4
35°	1148.7	1164.2	1205.1	1265.7	1298.1
37.5°	1093.8	1110.7	1154.4	1219.2	1254.4
40°	1034.6	1052.9	1102.2	1168.5	1205.1
42.5°	976.8	996.5	1047.3	1114.9	1150.1
45°	914.8	938.7	990.9	1054.3	1089.5
47.5°	852.7	876.7	931.7	989.5	1027.5
50°	789.3	816.1	871.1	924.6	961.3
52.5°	727.3	756.9	807.6	857.0	893.6
55°	665.3	692.1	740.0	786.5	818.9
57.5°	604.7	630.0	673.7	713.2	740.0
60°	545.5	568.0	606.1	635.7	655.4
62.5°	484.9	507.4	538.4	555.3	565.2
65°	424.3	444.0	470.8	475.0	477.8
67.5°	366.5	384.8	401.7	394.7	396.1
70°	308.7	324.2	332.6	318.5	317.1
72.5°	253.7	265.0	269.2	249.5	242.4
75°	200.1	210.0	207.2	184.6	173.4
77.5°	149.4	157.9	150.8	126.9	112.8
80°	104.3	108.5	102.9	83.2	78.9
82.5°	73.3	73.3	69.1	67.7	66.2
85°	45.1	46.5	46.5	50.7	52.2
87.5°	19.7	22.6	25.4	35.2	38.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)