

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: G2-1808-915-3

Luminaire Tested: **R6-WL-40L835-LD5-UNV-4-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1808-915-3
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R6-WL-40L835-LD5-UNV-4-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 4'
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4024.0 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

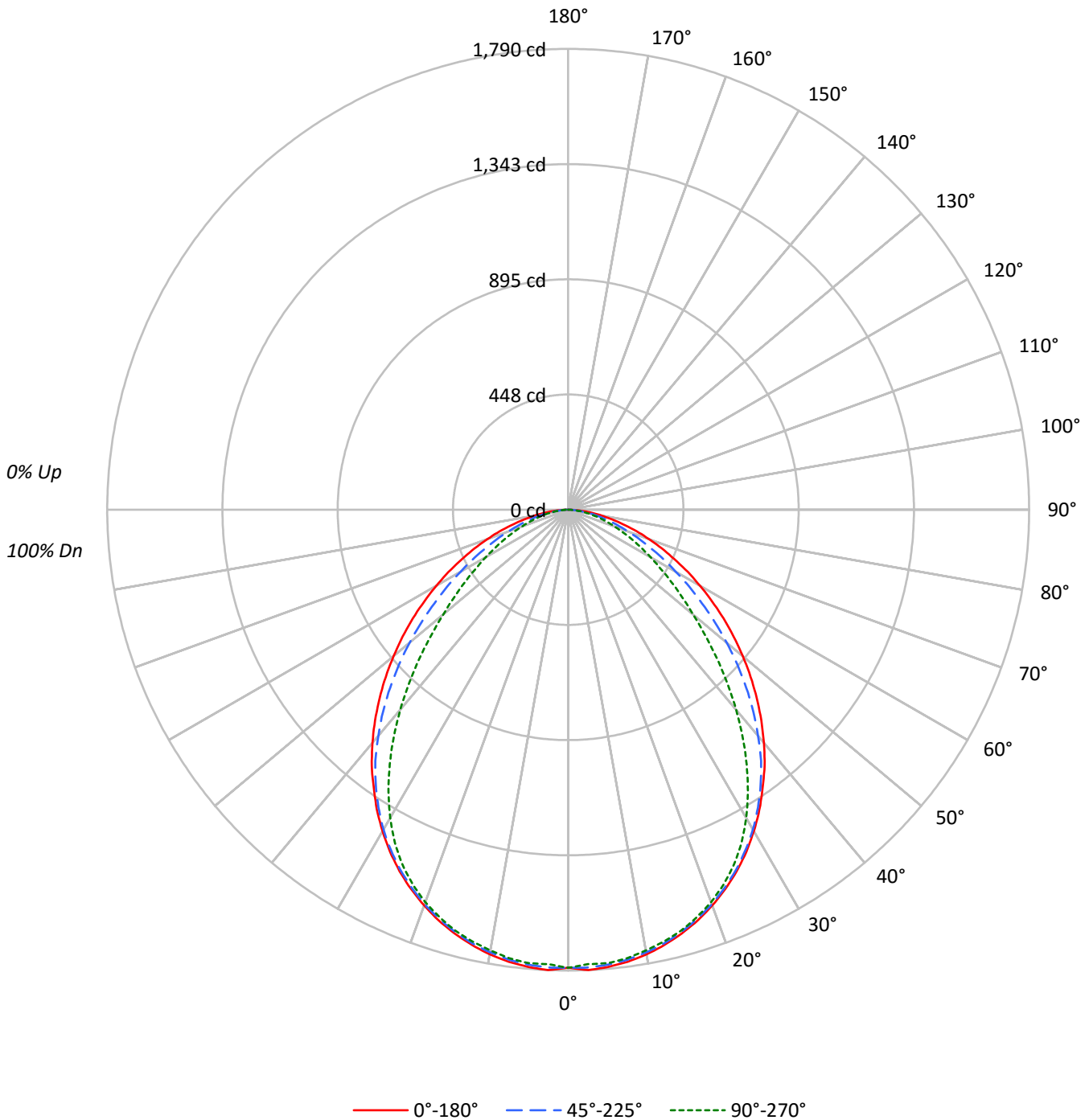
Input Watts (W): 34.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30	41	35	30	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11489	11489	11489
5°	11559	11501	11462
10°	11503	11450	11398
15°	11393	11353	11320
20°	11244	11210	11148
25°	11038	10995	10846
30°	10754	10701	10314
35°	10383	10273	9524
40°	9965	9670	8549
45°	9453	8933	7453
50°	8892	8068	6350
55°	8287	7139	5506
60°	7634	6239	4779
65°	6953	5440	4187
70°	6288	4645	3626
75°	5515	3968	3194
80°	4909	3310	2715
85°	4224	2445	2001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	4.2
10°-20°	477.5	11.9
20°-30°	705.5	17.5
30°-40°	797.4	19.8
40°-50°	731.8	18.2
50°-60°	559.7	13.9
60°-70°	360.9	9.0
70°-80°	179.5	4.5
80°-90°	43.8	1.1
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°	1351.0	33.6
0°-40°	2148.4	53.4
0°-60°	3439.9	85.5
0°-90°	4024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4024.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1779	1779	1779	1779	1779	
5°	1783	1764	1774	1768	1768	169
15°	1704	1688	1698	1694	1693	480
25°	1549	1534	1543	1526	1522	713
35°	1317	1311	1303	1238	1208	824
45°	1035	1032	978	863	816	798
55°	736	726	634	522	489	658
65°	455	434	356	292	274	453
75°	221	199	159	135	128	239
85°	57	42	33	28	27	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1779	1779	1779	1779	1779
2.5°	1790	1771	1780	1776	1767
5°	1783	1764	1774	1768	1768
7.5°	1771	1753	1763	1757	1757
10°	1754	1736	1746	1740	1738
12.5°	1731	1714	1725	1718	1718
15°	1704	1688	1698	1694	1693
17.5°	1673	1657	1666	1661	1660
20°	1636	1621	1631	1621	1622
22.5°	1595	1581	1589	1575	1576
25°	1549	1534	1543	1526	1522
27.5°	1498	1485	1491	1468	1458
30°	1442	1431	1435	1401	1383
32.5°	1382	1373	1371	1323	1299
35°	1317	1311	1303	1238	1208
37.5°	1253	1244	1230	1147	1113
40°	1182	1176	1147	1054	1014
42.5°	1110	1105	1065	959	915
45°	1035	1032	978	863	816
47.5°	961	957	891	768	721
50°	885	879	803	677	632
52.5°	810	804	718	597	558
55°	736	726	634	522	489
57.5°	662	648	557	456	424
60°	591	574	483	396	370
62.5°	524	503	419	344	318
65°	455	434	356	292	274
67.5°	393	369	300	248	230
70°	333	308	246	206	192
72.5°	279	251	201	169	159
75°	221	199	159	135	128
77.5°	176	152	122	104	100
80°	132	110	89	77	73
82.5°	92	73	59	51	49
85°	57	42	33	28	27
87.5°	25	15	12	11	11
90°	0	0	0	0	0

(END OF REPORT)