

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: P506089

Luminaire Tested: **14PD-70-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PR1-L835
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

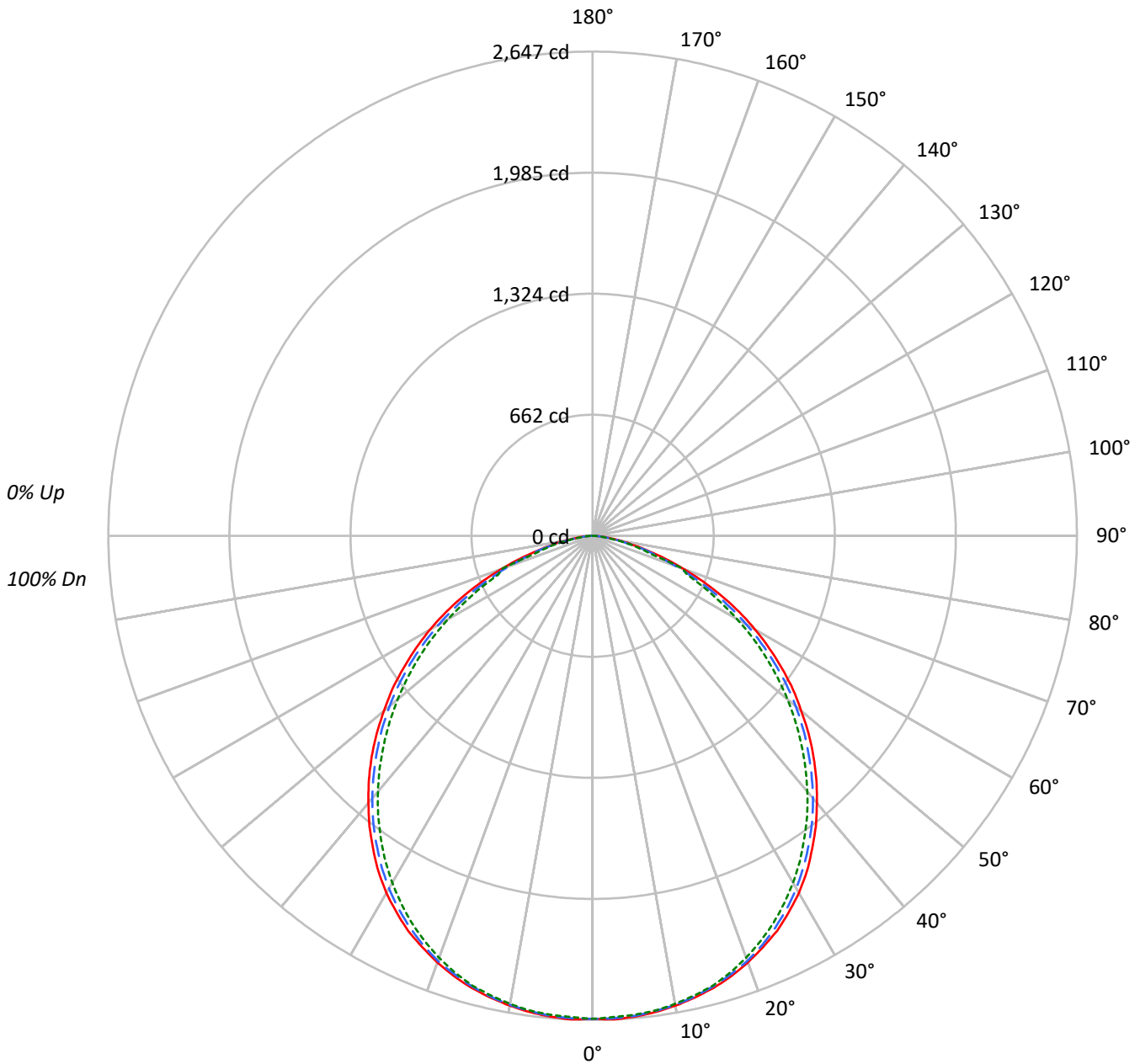
Lumens per Lamp: N/A
Luminaire Lumens: 6795.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7105	7105	7105
5°	7129	7118	7101
10°	7129	7115	7100
15°	7126	7104	7090
20°	7108	7082	7029
25°	7078	7016	6939
30°	7006	6916	6806
35°	6869	6766	6629
40°	6698	6583	6413
45°	6500	6341	6142
50°	6230	6066	5820
55°	5927	5694	5424
60°	5518	5230	4906
65°	4954	4605	4305
70°	4167	3797	4105
75°	3209	3087	2774
80°	2311	2067	1967
85°	1414	1210	1090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.3	3.7
10°-20°	719.0	10.6
20°-30°	1086.1	16.0
30°-40°	1284.9	18.9
40°-50°	1281.1	18.9
50°-60°	1082.3	15.9
60°-70°	721.1	10.6
70°-80°	313.3	4.6
80°-90°	56.8	0.8
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°	2055.4	30.2
0°-40°	3340.3	49.2
0°-60°	5703.8	83.9
0°-90°	6795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2640	2640	2640	2640	2640	
5°	2639	2629	2635	2632	2629	251
15°	2558	2546	2550	2546	2545	722
25°	2384	2368	2363	2342	2337	1097
35°	2091	2077	2060	2032	2018	1308
45°	1708	1692	1666	1631	1614	1315
55°	1263	1254	1214	1174	1156	1128
65°	778	769	723	692	676	769
75°	309	302	297	286	267	337
85°	46	47	39	37	35	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2640.4	2640.4	2640.4	2640.4	2640.4
2.5°	2646.9	2635.1	2640.4	2640.4	2633.8
5°	2639.0	2628.6	2635.1	2632.5	2628.6
7.5°	2627.3	2616.8	2620.7	2619.4	2618.1
10°	2609.0	2598.5	2603.7	2601.1	2598.5
12.5°	2585.4	2575.0	2580.2	2576.3	2573.7
15°	2558.0	2546.2	2550.1	2546.2	2544.9
17.5°	2524.0	2512.2	2513.5	2508.3	2503.0
20°	2482.1	2471.7	2473.0	2459.9	2454.7
22.5°	2433.7	2423.3	2422.0	2405.0	2398.4
25°	2384.0	2368.3	2363.1	2342.2	2337.0
27.5°	2321.3	2306.9	2299.0	2276.8	2266.3
30°	2254.6	2238.9	2225.8	2200.9	2190.5
32.5°	2178.7	2163.0	2146.0	2119.9	2108.1
35°	2091.1	2076.7	2059.7	2032.2	2017.9
37.5°	2003.5	1987.8	1970.8	1938.1	1926.3
40°	1906.7	1892.3	1874.0	1838.7	1825.6
42.5°	1809.9	1792.9	1770.7	1736.7	1722.3
45°	1707.9	1692.2	1666.1	1630.8	1613.8
47.5°	1600.7	1587.6	1560.1	1522.2	1503.9
50°	1488.2	1477.8	1449.0	1407.1	1390.1
52.5°	1381.0	1366.6	1333.9	1292.1	1273.8
55°	1263.3	1254.1	1213.6	1174.4	1156.1
57.5°	1145.6	1133.8	1093.3	1054.0	1037.0
60°	1025.3	1014.8	971.7	932.4	911.5
62.5°	903.7	891.9	846.1	810.8	791.2
65°	778.1	769.0	723.2	691.8	676.1
67.5°	652.6	646.0	597.6	571.5	559.7
70°	529.6	520.5	482.6	472.1	521.8
72.5°	415.9	404.1	371.4	354.4	341.3
75°	308.6	302.1	296.9	286.4	266.8
77.5°	217.1	215.8	197.5	183.1	197.5
80°	149.1	154.3	133.4	121.6	126.9
82.5°	91.5	102.0	79.8	70.6	68.0
85°	45.8	47.1	39.2	36.6	35.3
87.5°	17.0	19.6	17.0	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)