

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: P385271

Luminaire Tested: **14ID-70-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-70-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

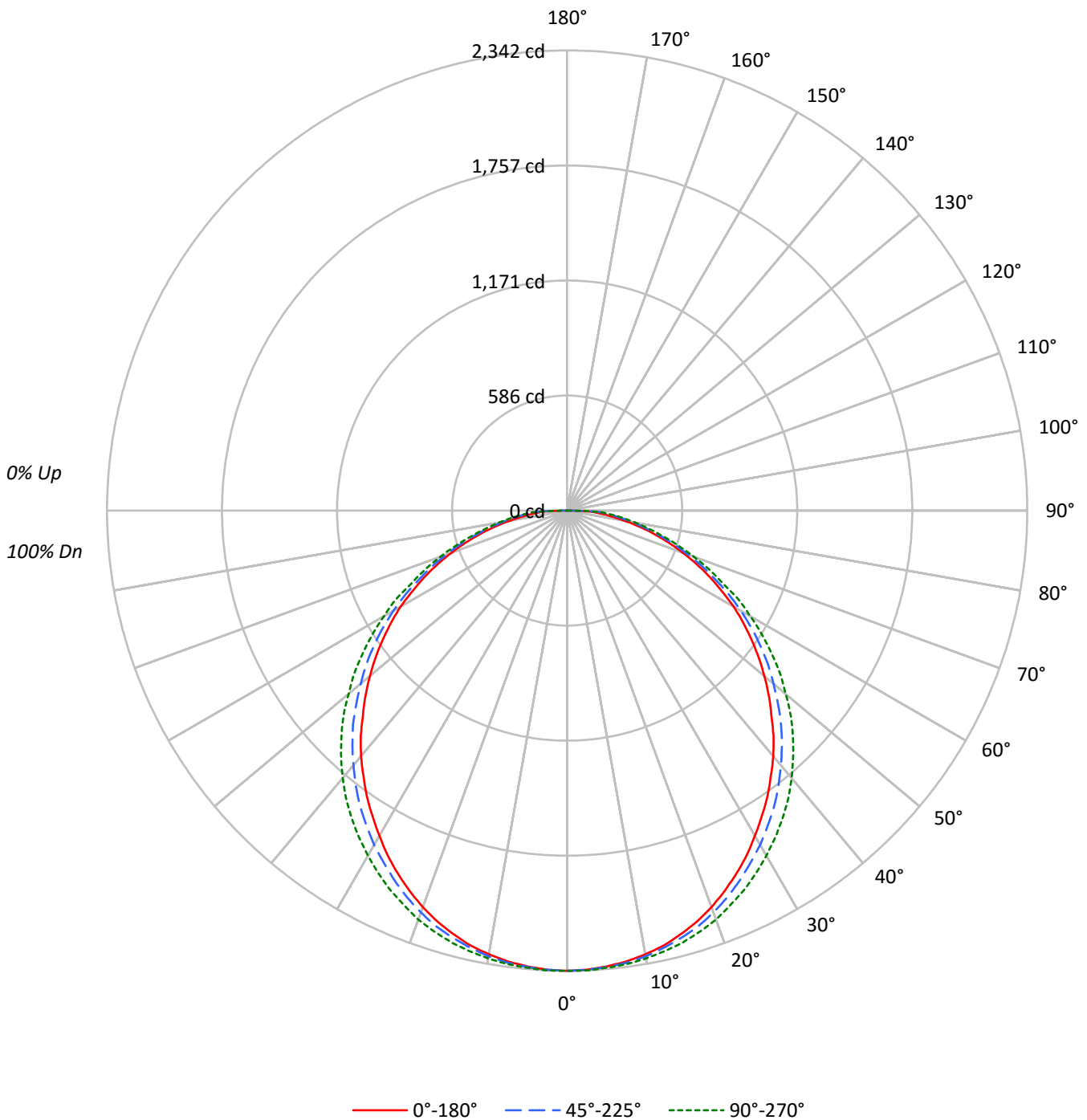
Lumens per Lamp: N/A
Luminaire Lumens: 6793.7 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.6
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				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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6303	6303	6303
5°	6266	6218	6218
10°	6220	6135	6143
15°	6152	6032	6068
20°	6059	5915	5981
25°	5937	5772	5869
30°	5799	5625	5748
35°	5672	5471	5623
40°	5540	5291	5477
45°	5369	5109	5301
50°	5228	4882	5071
55°	5069	4656	4820
60°	4912	4378	4500
65°	4688	4035	4093
70°	4414	3661	3699
75°	4100	3247	3238
80°	3675	2804	2787
85°	3472	2439	2366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.6	3.3
10°-20°	635.1	9.3
20°-30°	958.5	14.1
30°-40°	1150.5	16.9
40°-50°	1190.6	17.5
50°-60°	1078.6	15.9
60°-70°	831.0	12.2
70°-80°	514.2	7.6
80°-90°	213.6	3.1
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°	1815.2	26.7
0°-40°	2965.7	43.7
0°-60°	5234.9	77.1
0°-90°	6793.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6793.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2342	2342	2342	2342	2342	
5°	2328	2328	2332	2332	2335	221
15°	2233	2236	2250	2265	2275	630
25°	2038	2046	2077	2113	2130	939
35°	1777	1791	1837	1887	1911	1111
45°	1470	1491	1540	1597	1625	1137
55°	1145	1162	1201	1254	1272	1025
65°	802	809	834	869	873	793
75°	456	466	484	505	505	483
85°	166	184	212	226	223	179
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2342.3	2342.3	2342.3	2342.3	2342.3
2.5°	2338.8	2338.8	2338.8	2338.8	2342.3
5°	2328.2	2328.2	2331.7	2331.7	2335.3
7.5°	2314.1	2314.1	2321.1	2321.1	2328.2
10°	2292.9	2296.4	2303.5	2307.0	2314.1
12.5°	2268.1	2268.1	2278.7	2289.3	2296.4
15°	2232.8	2236.3	2250.5	2264.6	2275.2
17.5°	2193.9	2197.5	2218.7	2232.8	2246.9
20°	2148.0	2151.6	2176.3	2197.5	2215.1
22.5°	2095.0	2102.1	2130.4	2158.6	2172.7
25°	2038.5	2045.6	2077.4	2112.7	2130.4
27.5°	1978.4	1989.0	2020.8	2059.7	2080.9
30°	1911.3	1925.4	1964.3	2006.7	2027.9
32.5°	1844.2	1858.3	1900.7	1950.2	1971.4
35°	1777.1	1791.2	1837.1	1886.6	1911.3
37.5°	1702.9	1717.0	1766.5	1819.5	1847.7
40°	1632.2	1646.3	1692.3	1752.3	1777.1
42.5°	1554.5	1568.6	1618.1	1674.6	1702.9
45°	1469.7	1490.9	1540.4	1596.9	1625.1
47.5°	1392.0	1409.6	1455.6	1515.6	1543.9
50°	1310.7	1328.4	1370.8	1430.8	1452.0
52.5°	1229.5	1247.1	1289.5	1346.0	1367.2
55°	1144.7	1162.3	1201.2	1254.2	1271.9
57.5°	1063.4	1077.5	1112.9	1162.3	1176.5
60°	978.6	992.8	1021.0	1066.9	1077.5
62.5°	886.8	897.4	929.2	971.6	985.7
65°	802.0	809.0	833.8	869.1	872.6
67.5°	713.7	720.7	745.4	770.2	780.8
70°	625.3	635.9	653.6	678.3	685.4
72.5°	540.5	551.1	568.8	590.0	593.5
75°	455.7	466.3	484.0	505.2	505.2
77.5°	374.5	385.1	406.3	424.0	424.0
80°	293.2	310.9	332.1	349.8	349.8
82.5°	226.1	240.2	268.5	282.6	282.6
85°	166.0	183.7	212.0	226.1	222.6
87.5°	120.1	137.8	162.5	173.1	169.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)