

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: P385270

Luminaire Tested: **14ID-70-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385270
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-L830-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

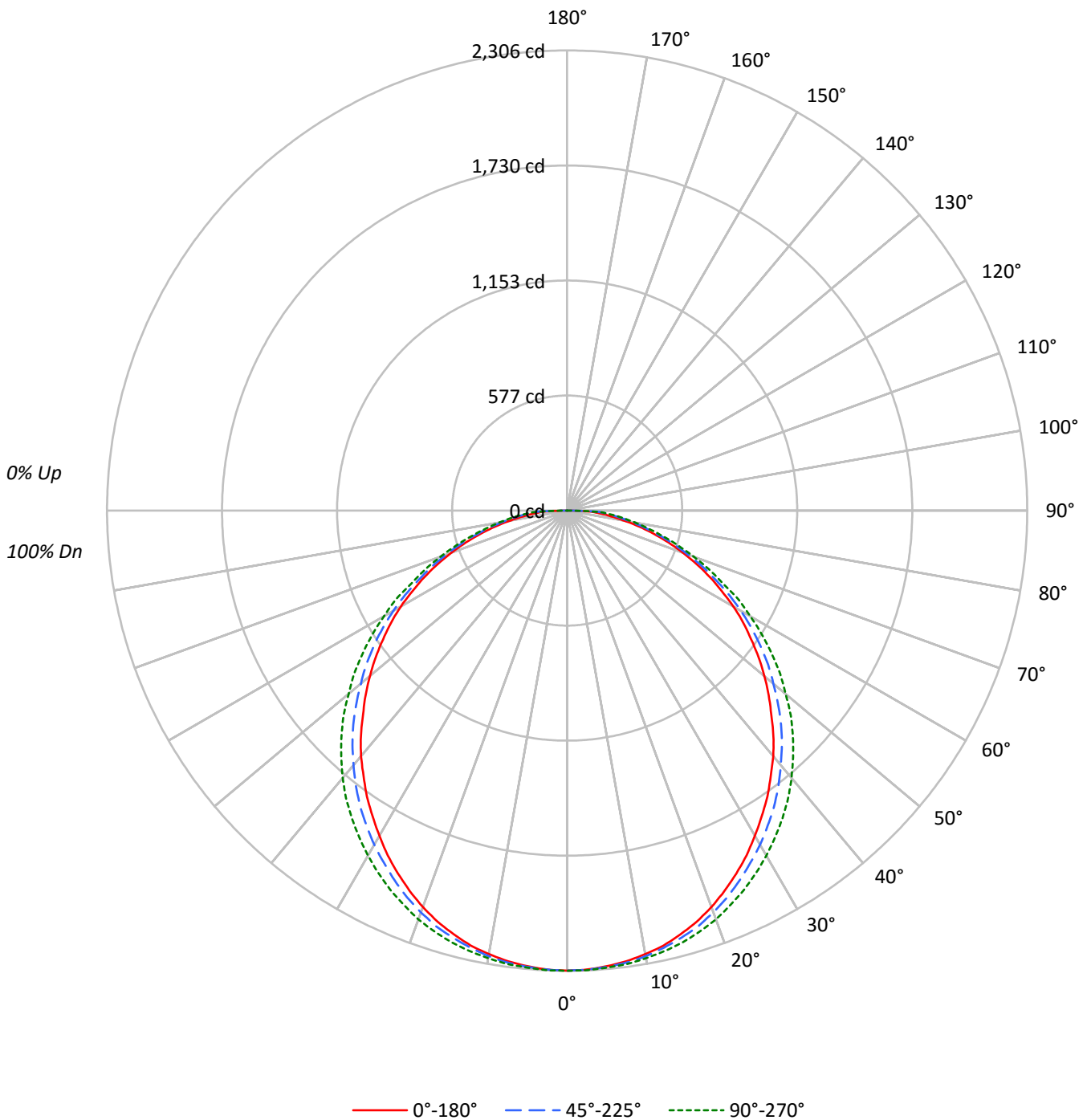
Lumens per Lamp: N/A
Luminaire Lumens: 6687.6 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

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°	6205	6205	6205
5°	6168	6121	6120
10°	6123	6039	6047
15°	6056	5937	5973
20°	5965	5823	5887
25°	5845	5681	5778
30°	5709	5537	5658
35°	5584	5385	5535
40°	5453	5208	5391
45°	5285	5030	5218
50°	5146	4805	4992
55°	4990	4583	4745
60°	4835	4310	4430
65°	4614	3971	4029
70°	4346	3604	3641
75°	4036	3197	3188
80°	3619	2760	2743
85°	3420	2401	2329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	3.3
10°-20°	625.2	9.3
20°-30°	943.5	14.1
30°-40°	1132.5	16.9
40°-50°	1172.0	17.5
50°-60°	1061.8	15.9
60°-70°	818.0	12.2
70°-80°	506.2	7.6
80°-90°	210.2	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°	1786.9	26.7
0°-40°	2919.4	43.7
0°-60°	5153.1	77.1
0°-90°	6687.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6687.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2306	2306	2306	2306	2306	
5°	2292	2292	2295	2295	2299	218
15°	2198	2201	2215	2229	2240	620
25°	2007	2014	2045	2080	2097	924
35°	1749	1763	1808	1857	1882	1094
45°	1447	1468	1516	1572	1600	1119
55°	1127	1144	1182	1235	1252	1009
65°	789	796	821	856	859	781
75°	449	459	476	497	497	475
85°	164	181	209	223	219	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2305.7	2305.7	2305.7	2305.7	2305.7
2.5°	2302.3	2302.3	2302.3	2302.3	2305.7
5°	2291.8	2291.8	2295.3	2295.3	2298.8
7.5°	2277.9	2277.9	2284.9	2284.9	2291.8
10°	2257.1	2260.5	2267.5	2271.0	2277.9
12.5°	2232.7	2232.7	2243.1	2253.6	2260.5
15°	2197.9	2201.4	2215.3	2229.2	2239.7
17.5°	2159.7	2163.2	2184.0	2197.9	2211.8
20°	2114.5	2118.0	2142.3	2163.2	2180.5
22.5°	2062.3	2069.3	2097.1	2124.9	2138.8
25°	2006.7	2013.6	2044.9	2079.7	2097.1
27.5°	1947.5	1958.0	1989.3	2027.5	2048.4
30°	1881.5	1895.4	1933.6	1975.4	1996.2
32.5°	1815.4	1829.3	1871.0	1919.7	1940.6
35°	1749.3	1763.2	1808.4	1857.1	1881.5
37.5°	1676.3	1690.2	1738.9	1791.0	1818.9
40°	1606.7	1620.6	1665.8	1725.0	1749.3
42.5°	1530.2	1544.1	1592.8	1648.5	1676.3
45°	1446.7	1467.6	1516.3	1571.9	1599.8
47.5°	1370.2	1387.6	1432.8	1492.0	1519.8
50°	1290.2	1307.6	1349.4	1408.5	1429.4
52.5°	1210.3	1227.6	1269.4	1325.0	1345.9
55°	1126.8	1144.2	1182.4	1234.6	1252.0
57.5°	1046.8	1060.7	1095.5	1144.2	1158.1
60°	963.3	977.2	1005.1	1050.3	1060.7
62.5°	872.9	883.3	914.6	956.4	970.3
65°	789.4	796.4	820.7	855.5	859.0
67.5°	702.5	709.5	733.8	758.1	768.6
70°	615.6	626.0	643.4	667.7	674.7
72.5°	532.1	542.5	559.9	580.8	584.3
75°	448.6	459.1	476.5	497.3	497.3
77.5°	368.6	379.1	399.9	417.3	417.3
80°	288.7	306.0	326.9	344.3	344.3
82.5°	222.6	236.5	264.3	278.2	278.2
85°	163.5	180.8	208.7	222.6	219.1
87.5°	118.2	135.6	160.0	170.4	166.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)