

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: P385274

Luminaire Tested: **14ID-75-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385274
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-75-L830-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

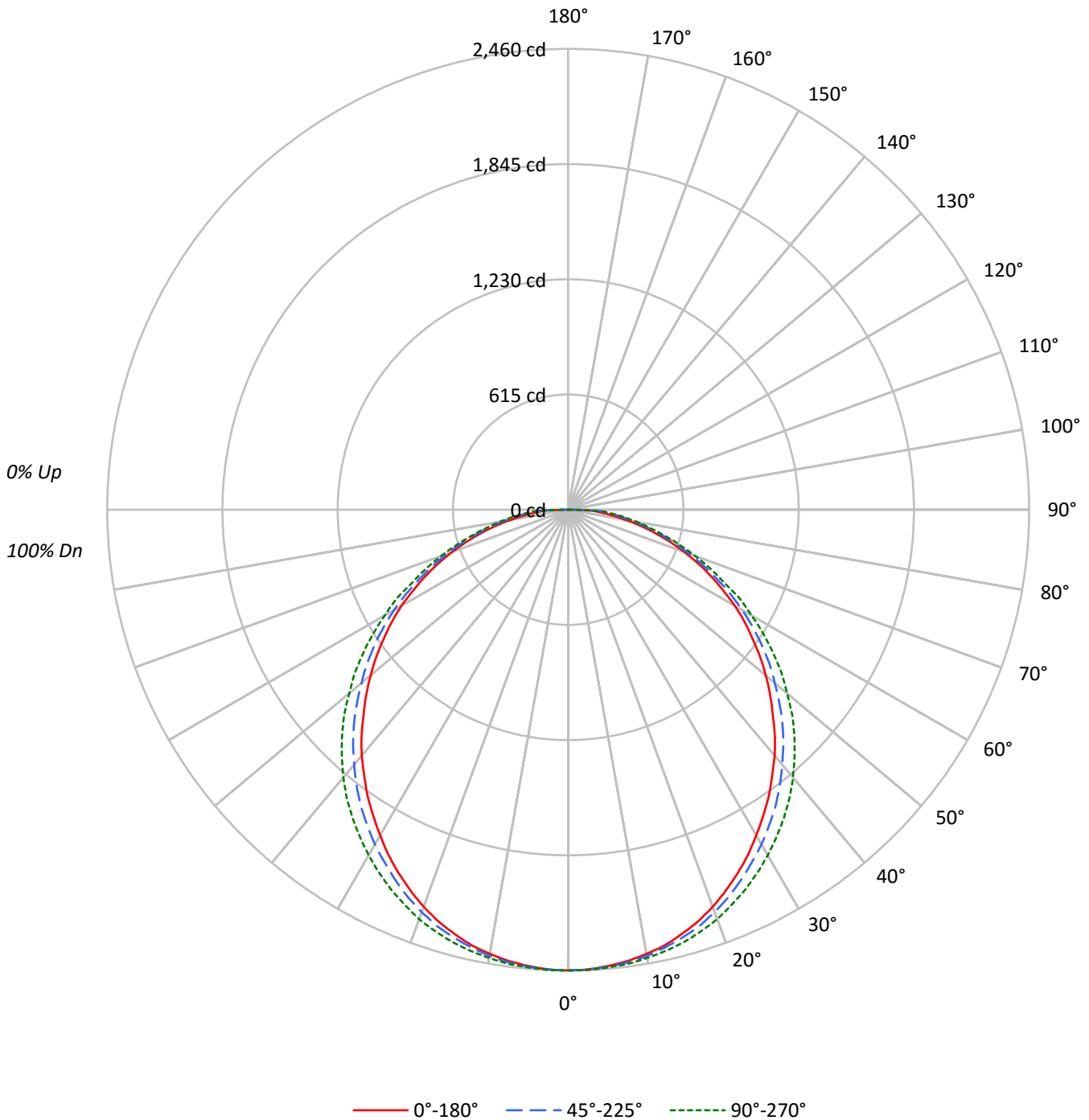
Lumens per Lamp: N/A
Luminaire Lumens: 7134.2 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70.9
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	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°	6619	6619	6619
5°	6580	6530	6529
10°	6531	6442	6450
15°	6460	6334	6372
20°	6363	6212	6280
25°	6235	6061	6163
30°	6090	5907	6036
35°	5956	5745	5904
40°	5818	5556	5751
45°	5639	5366	5567
50°	5490	5126	5326
55°	5323	4889	5061
60°	5159	4597	4726
65°	4923	4237	4299
70°	4636	3844	3884
75°	4306	3410	3401
80°	3859	2944	2926
85°	3648	2561	2484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.7	3.3
10°-20°	667.0	9.3
20°-30°	1006.5	14.1
30°-40°	1208.1	16.9
40°-50°	1250.3	17.5
50°-60°	1132.7	15.9
60°-70°	872.7	12.2
70°-80°	540.0	7.6
80°-90°	224.3	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°	1906.2	26.7
0°-40°	3114.3	43.7
0°-60°	5497.3	77.1
0°-90°	7134.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7134.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2460	2460	2460	2460	2460	
5°	2445	2445	2449	2449	2452	232
15°	2345	2348	2363	2378	2389	661
25°	2141	2148	2182	2219	2237	986
35°	1866	1881	1929	1981	2007	1167
45°	1543	1566	1618	1677	1707	1193
55°	1202	1221	1261	1317	1336	1076
65°	842	850	876	913	916	833
75°	479	490	508	530	530	507
85°	174	193	223	237	234	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2459.7	2459.7	2459.7	2459.7	2459.7
2.5°	2456.0	2456.0	2456.0	2456.0	2459.7
5°	2444.9	2444.9	2448.6	2448.6	2452.3
7.5°	2430.0	2430.0	2437.5	2437.5	2444.9
10°	2407.8	2411.5	2418.9	2422.6	2430.0
12.5°	2381.8	2381.8	2392.9	2404.1	2411.5
15°	2344.7	2348.4	2363.3	2378.1	2389.2
17.5°	2303.9	2307.6	2329.9	2344.7	2359.6
20°	2255.7	2259.4	2285.4	2307.6	2326.2
22.5°	2200.0	2207.4	2237.1	2266.8	2281.6
25°	2140.7	2148.1	2181.5	2218.6	2237.1
27.5°	2077.6	2088.7	2122.1	2162.9	2185.2
30°	2007.1	2021.9	2062.8	2107.3	2129.5
32.5°	1936.6	1951.5	1996.0	2047.9	2070.2
35°	1866.1	1881.0	1929.2	1981.1	2007.1
37.5°	1788.2	1803.1	1855.0	1910.6	1940.3
40°	1714.0	1728.9	1777.1	1840.2	1866.1
42.5°	1632.4	1647.2	1699.2	1758.5	1788.2
45°	1543.4	1565.6	1617.6	1676.9	1706.6
47.5°	1461.7	1480.3	1528.5	1591.6	1621.3
50°	1376.4	1395.0	1439.5	1502.5	1524.8
52.5°	1291.1	1309.6	1354.1	1413.5	1435.8
55°	1202.0	1220.6	1261.4	1317.0	1335.6
57.5°	1116.7	1131.5	1168.6	1220.6	1235.4
60°	1027.7	1042.5	1072.2	1120.4	1131.5
62.5°	931.2	942.3	975.7	1020.2	1035.1
65°	842.2	849.6	875.6	912.7	916.4
67.5°	749.4	756.8	782.8	808.8	819.9
70°	656.7	667.8	686.3	712.3	719.7
72.5°	567.6	578.8	597.3	619.6	623.3
75°	478.6	489.7	508.3	530.5	530.5
77.5°	393.3	404.4	426.6	445.2	445.2
80°	307.9	326.5	348.7	367.3	367.3
82.5°	237.4	252.3	282.0	296.8	296.8
85°	174.4	192.9	222.6	237.4	233.7
87.5°	126.1	144.7	170.7	181.8	178.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)