

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: P385294

Luminaire Tested: **22ID-30-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385294
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: 22ID-30-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

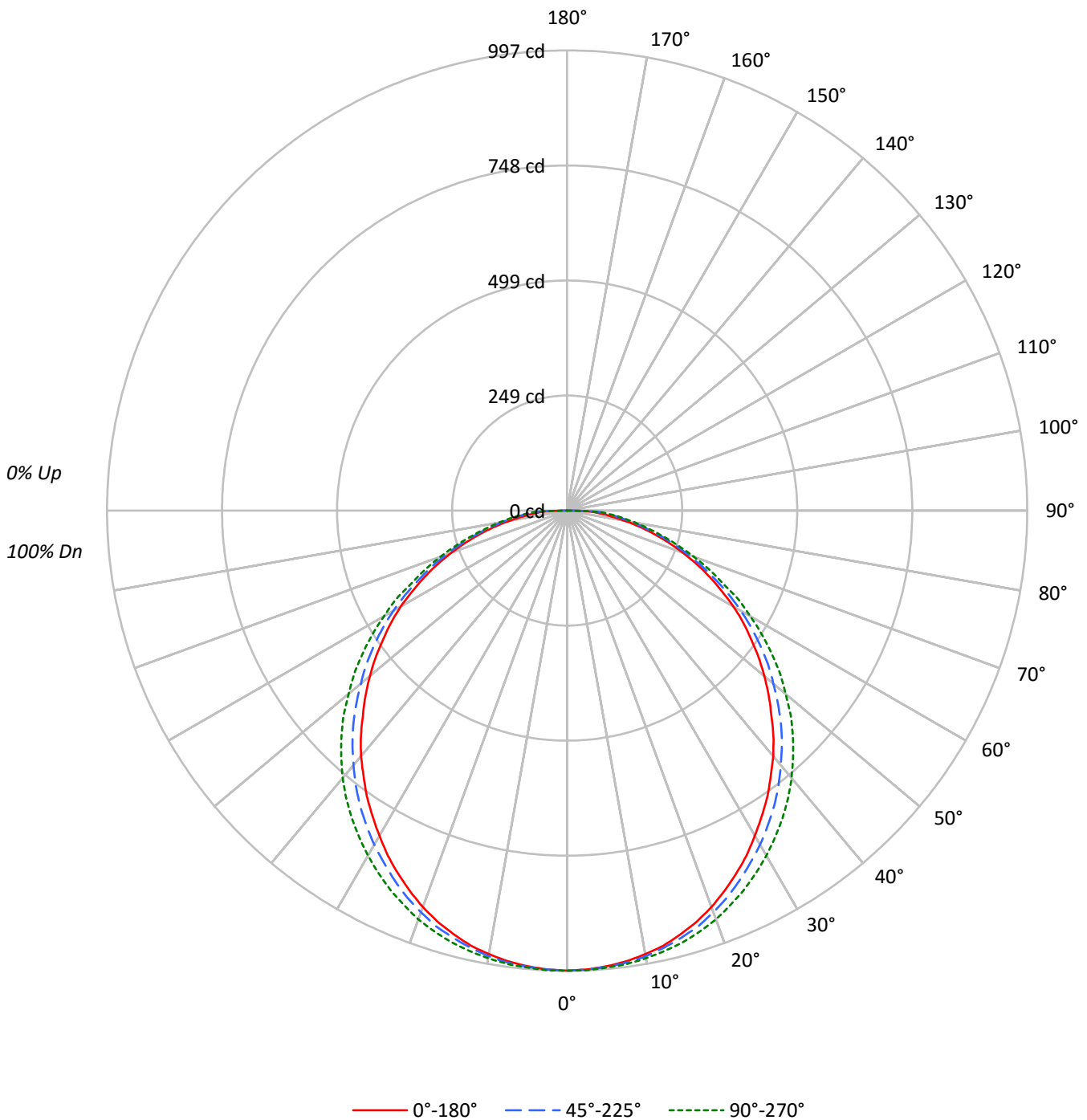
Lumens per Lamp: N/A
Luminaire Lumens: 2891.2 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.2
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°	2682	2682	2682
5°	2657	2653	2665
10°	2628	2624	2652
15°	2589	2586	2639
20°	2541	2543	2620
25°	2479	2488	2591
30°	2411	2432	2558
35°	2348	2372	2525
40°	2281	2302	2483
45°	2197	2232	2430
50°	2124	2142	2353
55°	2042	2053	2269
60°	1959	1942	2157
65°	1844	1803	2006
70°	1704	1653	1867
75°	1539	1488	1705
80°	1313	1312	1566
85°	1118	1187	1498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.3
10°-20°	270.3	9.3
20°-30°	407.9	14.1
30°-40°	489.6	16.9
40°-50°	506.7	17.5
50°-60°	459.0	15.9
60°-70°	353.7	12.2
70°-80°	218.8	7.6
80°-90°	90.9	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°	772.5	26.7
0°-40°	1262.1	43.7
0°-60°	2227.8	77.1
0°-90°	2891.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2891.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	991	991	992	992	994	94
15°	950	952	958	964	968	268
25°	868	870	884	899	907	400
35°	756	762	782	803	813	473
45°	626	634	656	680	692	484
55°	487	495	511	534	541	436
65°	341	344	355	370	371	337
75°	194	198	206	215	215	205
85°	71	78	90	96	95	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.8	996.8	996.8	996.8	996.8
2.5°	995.3	995.3	995.3	995.3	996.8
5°	990.8	990.8	992.3	992.3	993.8
7.5°	984.8	984.8	987.8	987.8	990.8
10°	975.8	977.3	980.3	981.8	984.8
12.5°	965.3	965.3	969.8	974.3	977.3
15°	950.2	951.7	957.7	963.7	968.3
17.5°	933.7	935.2	944.2	950.2	956.2
20°	914.1	915.6	926.2	935.2	942.7
22.5°	891.6	894.6	906.6	918.6	924.7
25°	867.5	870.5	884.1	899.1	906.6
27.5°	842.0	846.5	860.0	876.5	885.6
30°	813.4	819.4	836.0	854.0	863.0
32.5°	784.8	790.8	808.9	829.9	839.0
35°	756.3	762.3	781.8	802.9	813.4
37.5°	724.7	730.7	751.8	774.3	786.3
40°	694.6	700.6	720.2	745.7	756.3
42.5°	661.5	667.6	688.6	712.7	724.7
45°	625.5	634.5	655.5	679.6	691.6
47.5°	592.4	599.9	619.4	645.0	657.0
50°	557.8	565.3	583.4	608.9	617.9
52.5°	523.2	530.7	548.8	572.8	581.9
55°	487.1	494.7	511.2	533.7	541.3
57.5°	452.6	458.6	473.6	494.7	500.7
60°	416.5	422.5	434.5	454.1	458.6
62.5°	377.4	381.9	395.4	413.5	419.5
65°	341.3	344.3	354.8	369.9	371.4
67.5°	303.7	306.7	317.2	327.8	332.3
70°	266.1	270.6	278.1	288.7	291.7
72.5°	230.0	234.5	242.1	251.1	252.6
75°	194.0	198.5	206.0	215.0	215.0
77.5°	159.4	163.9	172.9	180.4	180.4
80°	124.8	132.3	141.3	148.8	148.8
82.5°	96.2	102.2	114.3	120.3	120.3
85°	70.7	78.2	90.2	96.2	94.7
87.5°	51.1	58.6	69.2	73.7	72.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)