

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: P385239

Luminaire Tested: **14ID-30-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385239
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-30-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

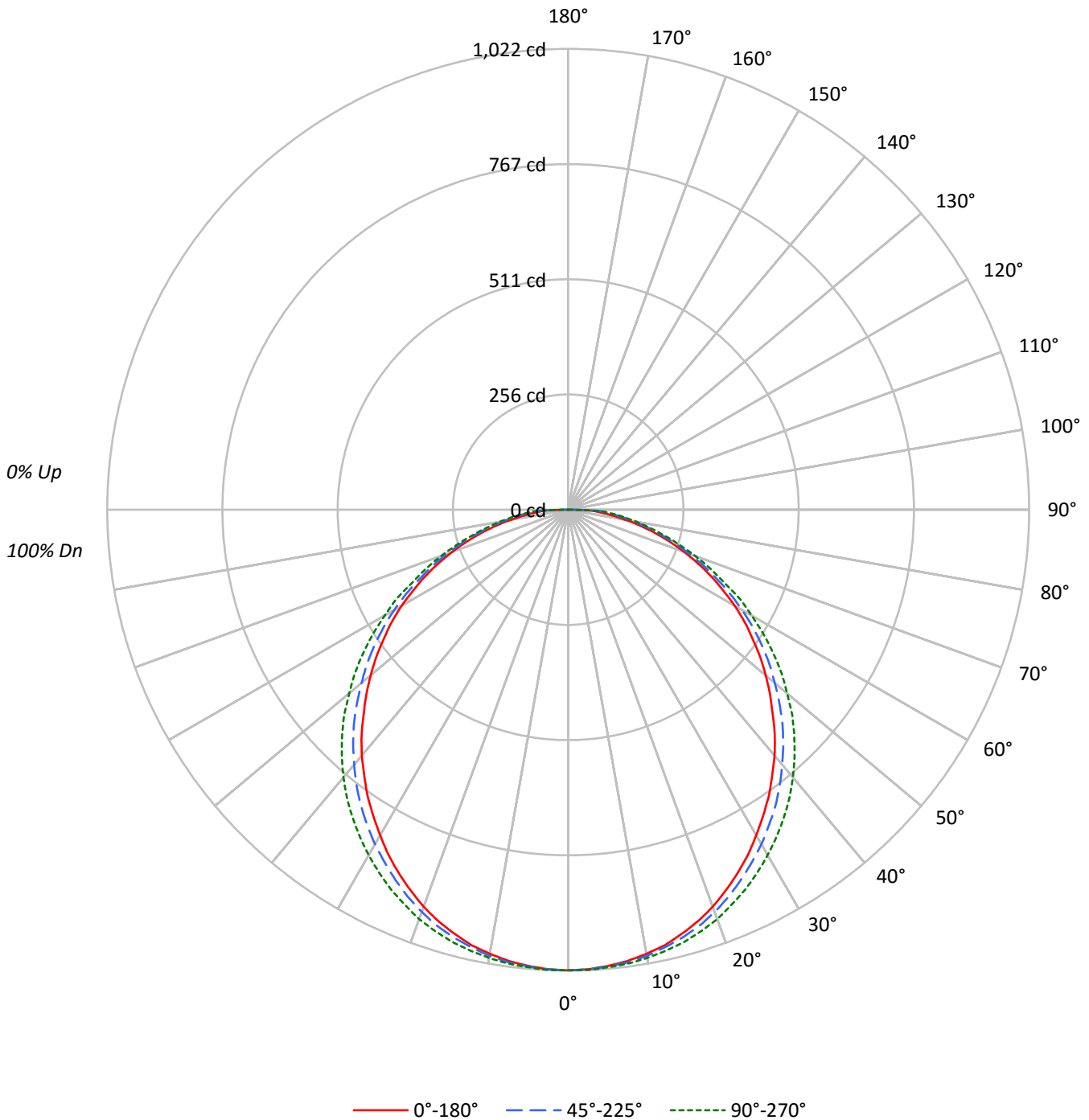
Lumens per Lamp: N/A
Luminaire Lumens: 2963.1 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.8
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°	2749	2749	2749
5°	2733	2712	2712
10°	2713	2676	2679
15°	2683	2631	2646
20°	2643	2580	2608
25°	2590	2517	2560
30°	2529	2453	2507
35°	2474	2386	2452
40°	2416	2308	2389
45°	2342	2228	2312
50°	2280	2129	2212
55°	2211	2031	2102
60°	2142	1909	1963
65°	2045	1760	1785
70°	1925	1597	1613
75°	1789	1416	1412
80°	1603	1223	1215
85°	1514	1064	1032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	3.3
10°-20°	277.0	9.3
20°-30°	418.0	14.1
30°-40°	501.8	16.9
40°-50°	519.3	17.5
50°-60°	470.4	15.9
60°-70°	362.5	12.2
70°-80°	224.3	7.6
80°-90°	93.2	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°	791.7	26.7
0°-40°	1293.5	43.7
0°-60°	2283.2	77.1
0°-90°	2963.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2963.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1016	1016	1017	1017	1018	96
15°	974	975	982	988	992	275
25°	889	892	906	922	929	410
35°	775	781	801	823	834	485
45°	641	650	672	696	709	496
55°	499	507	524	547	555	447
65°	350	353	364	379	381	346
75°	199	203	211	220	220	211
85°	72	80	92	99	97	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1021.6	1021.6	1021.6	1021.6	1021.6
2.5°	1020.1	1020.1	1020.1	1020.1	1021.6
5°	1015.5	1015.5	1017.0	1017.0	1018.5
7.5°	1009.3	1009.3	1012.4	1012.4	1015.5
10°	1000.0	1001.6	1004.7	1006.2	1009.3
12.5°	989.3	989.3	993.9	998.5	1001.6
15°	973.8	975.4	981.6	987.7	992.3
17.5°	956.9	958.4	967.7	973.8	980.0
20°	936.9	938.4	949.2	958.4	966.1
22.5°	913.8	916.8	929.2	941.5	947.7
25°	889.1	892.2	906.0	921.5	929.2
27.5°	862.9	867.5	881.4	898.3	907.6
30°	833.6	839.8	856.7	875.2	884.5
32.5°	804.3	810.5	829.0	850.6	859.8
35°	775.1	781.2	801.3	822.8	833.6
37.5°	742.7	748.9	770.5	793.6	805.9
40°	711.9	718.1	738.1	764.3	775.1
42.5°	678.0	684.2	705.7	730.4	742.7
45°	641.0	650.3	671.8	696.5	708.8
47.5°	607.1	614.8	634.9	661.0	673.4
50°	571.7	579.4	597.9	624.1	633.3
52.5°	536.2	543.9	562.4	587.1	596.3
55°	499.3	507.0	523.9	547.0	554.7
57.5°	463.8	470.0	485.4	507.0	513.1
60°	426.8	433.0	445.3	465.4	470.0
62.5°	386.8	391.4	405.3	423.7	429.9
65°	349.8	352.9	363.7	379.1	380.6
67.5°	311.3	314.3	325.1	335.9	340.5
70°	272.7	277.4	285.1	295.9	298.9
72.5°	235.8	240.4	248.1	257.3	258.9
75°	198.8	203.4	211.1	220.3	220.3
77.5°	163.3	168.0	177.2	184.9	184.9
80°	127.9	135.6	144.8	152.5	152.5
82.5°	98.6	104.8	117.1	123.3	123.3
85°	72.4	80.1	92.5	98.6	97.1
87.5°	52.4	60.1	70.9	75.5	74.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)