

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: P385237

Luminaire Tested: **14ID-25-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385237
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-25-L850-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

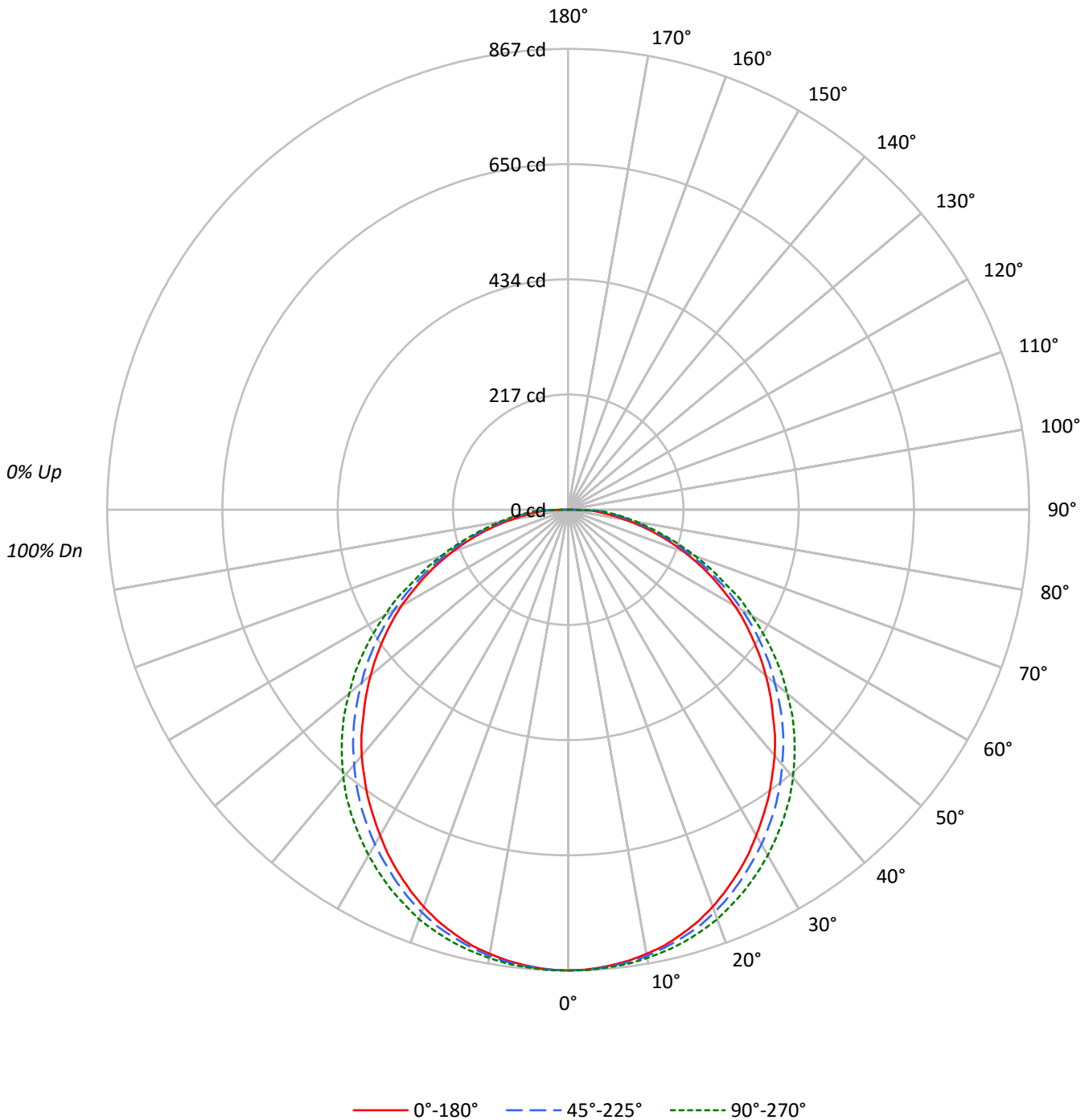
Lumens per Lamp: N/A
Luminaire Lumens: 2514.5 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.5
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°	2333	2333	2333
5°	2319	2302	2301
10°	2302	2271	2274
15°	2277	2233	2246
20°	2243	2189	2214
25°	2198	2136	2172
30°	2146	2082	2128
35°	2099	2025	2081
40°	2050	1958	2027
45°	1987	1891	1962
50°	1935	1807	1877
55°	1876	1723	1784
60°	1818	1620	1666
65°	1735	1493	1515
70°	1634	1355	1369
75°	1518	1202	1199
80°	1360	1038	1032
85°	1286	903	876



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	3.3
10°-20°	235.1	9.3
20°-30°	354.8	14.1
30°-40°	425.8	16.9
40°-50°	440.7	17.5
50°-60°	399.2	15.9
60°-70°	307.6	12.2
70°-80°	190.3	7.6
80°-90°	79.1	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°	671.9	26.7
0°-40°	1097.7	43.7
0°-60°	1937.5	77.1
0°-90°	2514.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2514.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	867	867	867	867	867	
5°	862	862	863	863	864	82
15°	826	828	833	838	842	233
25°	754	757	769	782	788	348
35°	658	663	680	698	707	411
45°	544	552	570	591	602	421
55°	424	430	445	464	471	379
65°	297	299	309	322	323	293
75°	169	173	179	187	187	179
85°	62	68	78	84	82	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.9	866.9	866.9	866.9	866.9
2.5°	865.6	865.6	865.6	865.6	866.9
5°	861.7	861.7	863.0	863.0	864.3
7.5°	856.5	856.5	859.1	859.1	861.7
10°	848.6	849.9	852.6	853.9	856.5
12.5°	839.5	839.5	843.4	847.3	849.9
15°	826.4	827.7	833.0	838.2	842.1
17.5°	812.0	813.3	821.2	826.4	831.6
20°	795.0	796.3	805.5	813.3	819.9
22.5°	775.4	778.0	788.5	799.0	804.2
25°	754.5	757.1	768.9	782.0	788.5
27.5°	732.3	736.2	748.0	762.3	770.2
30°	707.4	712.7	727.0	742.7	750.6
32.5°	682.6	687.8	703.5	721.8	729.6
35°	657.7	663.0	680.0	698.3	707.4
37.5°	630.3	635.5	653.8	673.4	683.9
40°	604.1	609.3	626.3	648.6	657.7
42.5°	575.4	580.6	598.9	619.8	630.3
45°	544.0	551.8	570.1	591.0	601.5
47.5°	515.2	521.7	538.7	561.0	571.4
50°	485.1	491.7	507.4	529.6	537.4
52.5°	455.0	461.6	477.3	498.2	506.0
55°	423.7	430.2	444.6	464.2	470.7
57.5°	393.6	398.8	411.9	430.2	435.4
60°	362.2	367.4	377.9	394.9	398.8
62.5°	328.2	332.1	343.9	359.6	364.8
65°	296.8	299.4	308.6	321.7	323.0
67.5°	264.1	266.8	275.9	285.1	289.0
70°	231.4	235.4	241.9	251.1	253.7
72.5°	200.1	204.0	210.5	218.4	219.7
75°	168.7	172.6	179.1	187.0	187.0
77.5°	138.6	142.5	150.4	156.9	156.9
80°	108.5	115.1	122.9	129.5	129.5
82.5°	83.7	88.9	99.4	104.6	104.6
85°	61.5	68.0	78.5	83.7	82.4
87.5°	44.5	51.0	60.2	64.1	62.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)