

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: P385293

Luminaire Tested: **22ID-25-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385293
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-25-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

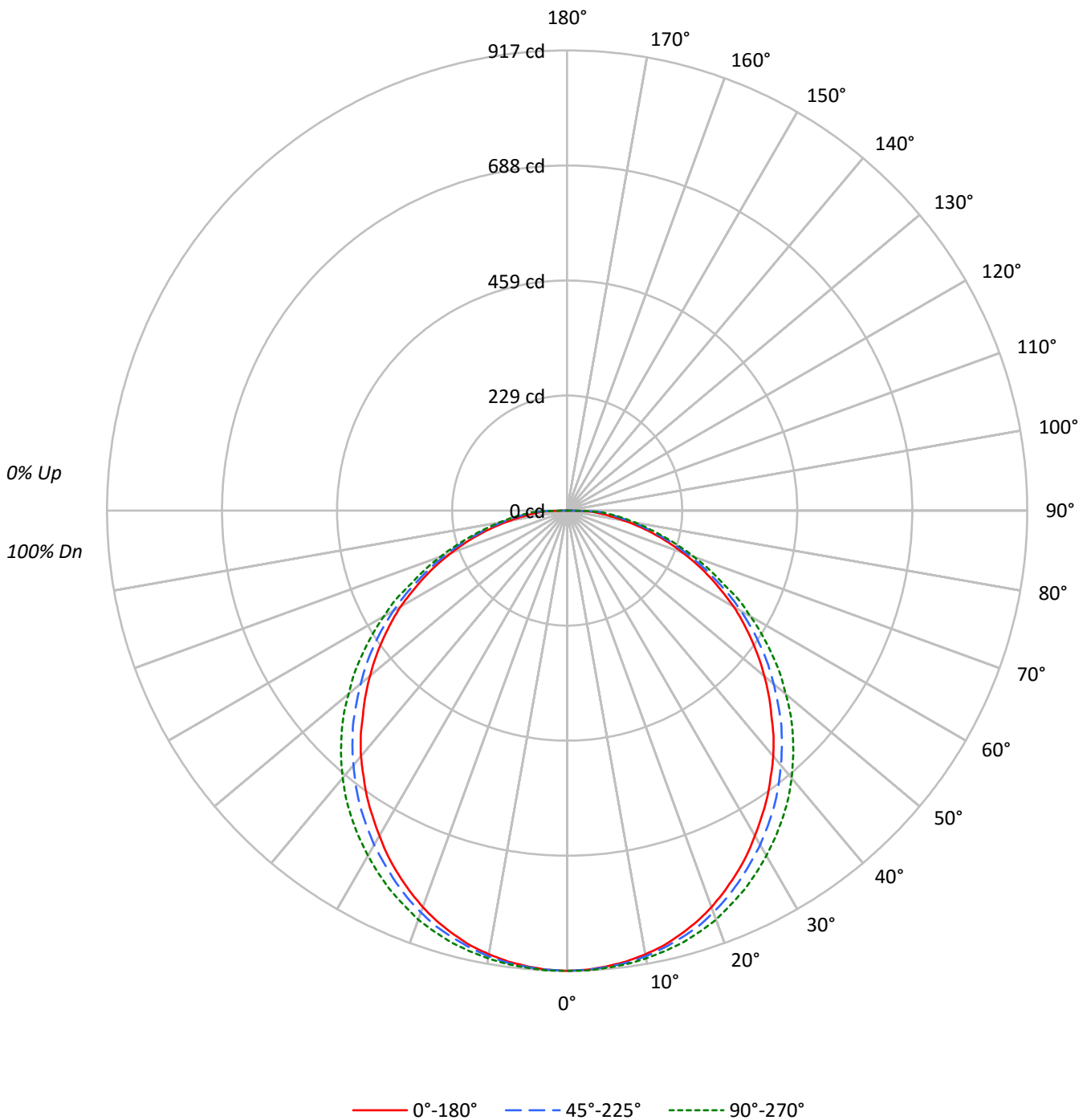
Lumens per Lamp: N/A
Luminaire Lumens: 2660.2 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.7
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°	2468	2468	2468
5°	2445	2441	2452
10°	2418	2415	2440
15°	2383	2380	2428
20°	2338	2340	2411
25°	2281	2289	2384
30°	2219	2238	2354
35°	2160	2183	2323
40°	2098	2118	2284
45°	2022	2054	2236
50°	1954	1971	2165
55°	1879	1889	2088
60°	1802	1787	1984
65°	1696	1660	1846
70°	1568	1521	1718
75°	1416	1368	1569
80°	1208	1208	1442
85°	1028	1092	1379



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	3.3
10°-20°	248.7	9.3
20°-30°	375.3	14.1
30°-40°	450.5	16.9
40°-50°	466.2	17.5
50°-60°	422.4	15.9
60°-70°	325.4	12.2
70°-80°	201.3	7.6
80°-90°	83.6	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°	710.8	26.7
0°-40°	1161.3	43.7
0°-60°	2049.8	77.1
0°-90°	2660.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2660.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	912	912	913	913	914	87
15°	874	876	881	887	891	247
25°	798	801	813	827	834	368
35°	696	701	719	739	748	435
45°	576	584	603	625	636	445
55°	448	455	470	491	498	401
65°	314	317	326	340	342	310
75°	178	183	190	198	198	189
85°	65	72	83	88	87	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.2	917.2	917.2	917.2	917.2
2.5°	915.8	915.8	915.8	915.8	917.2
5°	911.6	911.6	913.0	913.0	914.4
7.5°	906.1	906.1	908.9	908.9	911.6
10°	897.8	899.2	902.0	903.3	906.1
12.5°	888.1	888.1	892.3	896.4	899.2
15°	874.3	875.7	881.2	886.7	890.9
17.5°	859.1	860.5	868.8	874.3	879.8
20°	841.1	842.5	852.2	860.5	867.4
22.5°	820.3	823.1	834.2	845.2	850.8
25°	798.2	801.0	813.4	827.3	834.2
27.5°	774.7	778.8	791.3	806.5	814.8
30°	748.4	753.9	769.2	785.8	794.1
32.5°	722.1	727.7	744.3	763.6	771.9
35°	695.8	701.4	719.4	738.7	748.4
37.5°	666.8	672.3	691.7	712.4	723.5
40°	639.1	644.7	662.6	686.2	695.8
42.5°	608.7	614.2	633.6	655.7	666.8
45°	575.5	583.8	603.2	625.3	636.4
47.5°	545.1	552.0	570.0	593.5	604.5
50°	513.2	520.2	536.8	560.3	568.6
52.5°	481.4	488.3	504.9	527.1	535.4
55°	448.2	455.1	470.4	491.1	498.0
57.5°	416.4	421.9	435.8	455.1	460.7
60°	383.2	388.7	399.8	417.8	421.9
62.5°	347.2	351.4	363.8	380.4	386.0
65°	314.0	316.8	326.5	340.3	341.7
67.5°	279.4	282.2	291.9	301.6	305.7
70°	244.9	249.0	255.9	265.6	268.4
72.5°	211.7	215.8	222.7	231.0	232.4
75°	178.5	182.6	189.5	197.8	197.8
77.5°	146.6	150.8	159.1	166.0	166.0
80°	114.8	121.7	130.0	137.0	137.0
82.5°	88.5	94.1	105.1	110.7	110.7
85°	65.0	71.9	83.0	88.5	87.2
87.5°	47.0	54.0	63.6	67.8	66.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)