

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: P385068

Luminaire Tested: **14ID-25-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-25-L840-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

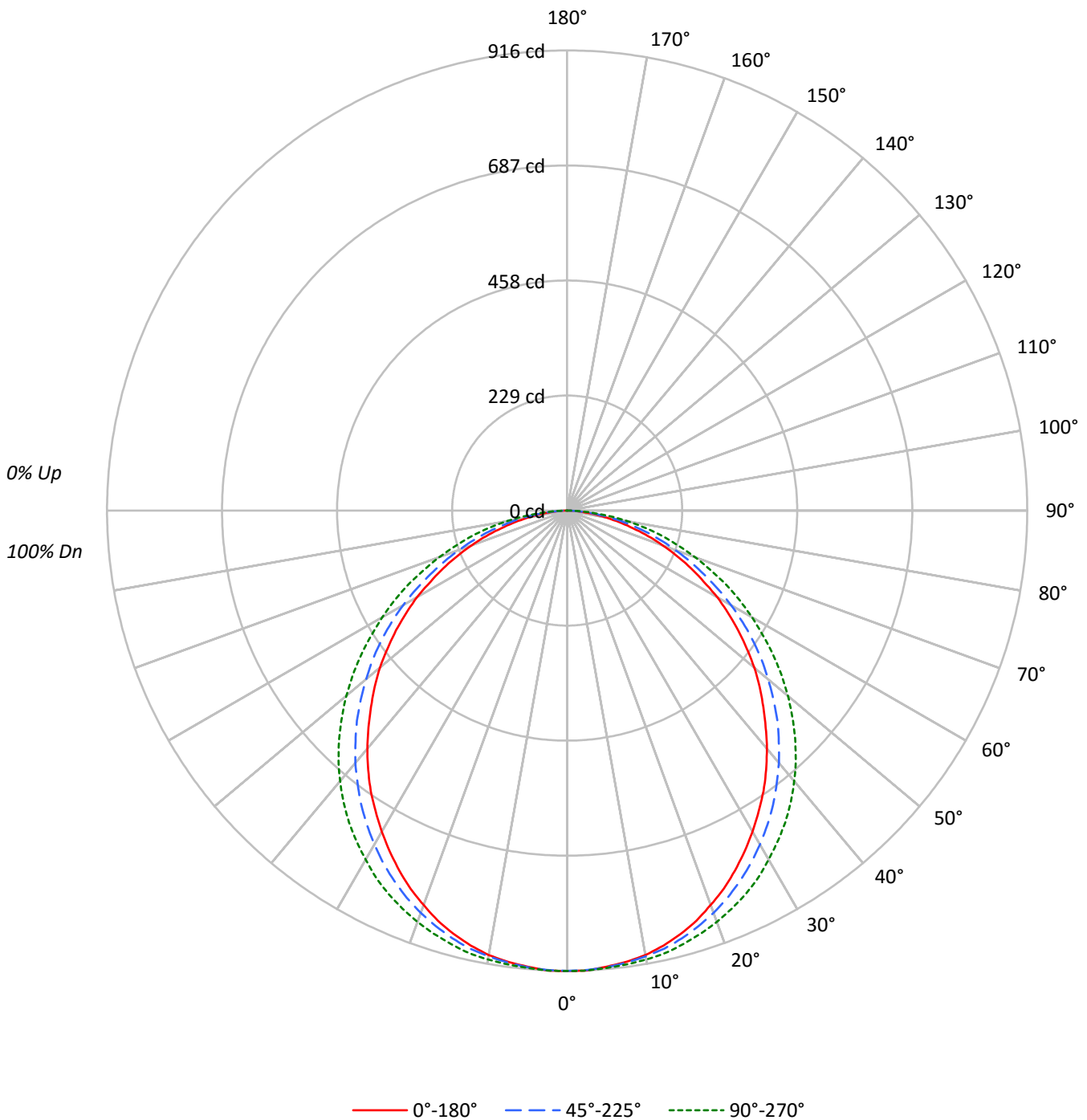
Lumens per Lamp: N/A
Luminaire Lumens: 2544.3 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
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	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2466	2466	2466
5°	2461	2465	2468
10°	2455	2462	2479
15°	2431	2456	2489
20°	2393	2440	2495
25°	2347	2416	2500
30°	2293	2385	2492
35°	2239	2349	2487
40°	2173	2304	2471
45°	2100	2252	2442
50°	2036	2187	2402
55°	1951	2120	2348
60°	1858	2031	2286
65°	1733	1912	2223
70°	1596	1798	2131
75°	1414	1668	2042
80°	1193	1492	1889
85°	871	1149	1507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	3.4
10°-20°	248.9	9.8
20°-30°	375.3	14.8
30°-40°	448.1	17.6
40°-50°	457.9	18.0
50°-60°	406.1	16.0
60°-70°	302.7	11.9
70°-80°	172.9	6.8
80°-90°	45.6	1.8
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°	710.9	27.9
0°-40°	1159.0	45.6
0°-60°	2023.0	79.5
0°-90°	2544.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2544.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	911	911	912	912	914	87
15°	873	875	882	889	893	246
25°	791	797	814	832	842	364
35°	682	690	715	743	757	426
45°	552	563	592	624	642	426
55°	416	424	452	484	500	372
65°	272	278	300	331	349	270
75°	136	142	160	185	196	145
85°	28	30	37	46	49	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.4	916.4	916.4	916.4	916.4
2.5°	916.4	915.1	915.1	915.1	916.4
5°	911.2	911.2	912.5	912.5	913.8
7.5°	906.1	906.1	907.4	908.7	911.2
10°	898.4	898.4	901.0	904.8	907.4
12.5°	886.8	888.1	893.3	898.4	902.3
15°	872.7	875.3	881.7	889.4	893.3
17.5°	856.0	858.6	867.6	877.9	883.0
20°	835.5	840.6	852.2	865.0	871.4
22.5°	815.0	820.1	834.2	849.6	857.3
25°	790.6	797.0	813.7	831.7	841.9
27.5°	764.9	772.6	791.9	812.4	824.0
30°	738.0	747.0	767.5	790.6	802.1
32.5°	709.7	718.7	741.8	767.5	780.3
35°	681.5	690.5	714.9	743.1	757.2
37.5°	650.7	659.7	685.4	716.2	731.6
40°	618.6	628.9	655.8	686.6	703.3
42.5°	585.2	596.8	623.7	657.1	673.8
45°	551.9	563.4	591.7	623.7	641.7
47.5°	519.8	528.8	557.0	590.4	608.3
50°	486.4	494.1	522.4	555.7	573.7
52.5°	450.5	460.8	487.7	521.1	537.8
55°	415.8	423.5	451.8	483.9	500.5
57.5°	379.9	387.6	414.5	446.6	462.0
60°	345.2	352.9	377.3	409.4	424.8
62.5°	306.7	314.4	338.8	372.2	387.6
65°	272.1	278.5	300.3	331.1	349.1
67.5°	237.4	243.9	264.4	293.9	308.0
70°	202.8	207.9	228.5	255.4	270.8
72.5°	169.4	174.5	195.1	219.5	232.3
75°	136.0	142.5	160.4	184.8	196.4
77.5°	105.2	111.7	127.1	148.9	159.1
80°	77.0	82.1	96.3	112.9	121.9
82.5°	51.3	55.2	65.5	79.6	86.0
85°	28.2	29.5	37.2	46.2	48.8
87.5°	11.6	11.6	14.1	15.4	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)