

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: P385122

Luminaire Tested: **22ID-25-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385122
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: 22ID-25-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

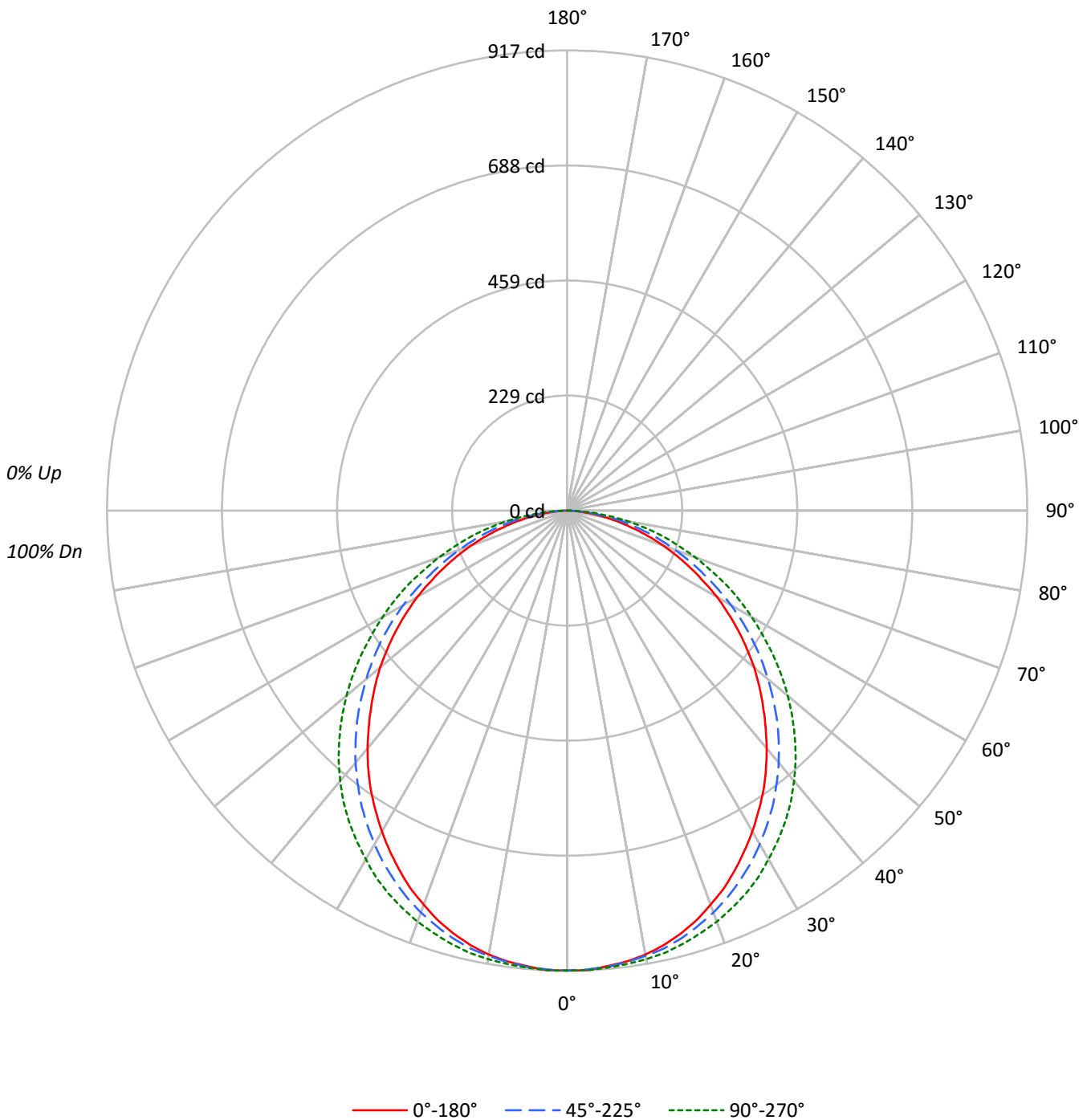
Lumens per Lamp: N/A
Luminaire Lumens: 2545.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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	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°	2467	2467	2467
5°	2462	2466	2469
10°	2455	2463	2480
15°	2432	2457	2489
20°	2393	2441	2496
25°	2348	2417	2501
30°	2294	2385	2493
35°	2239	2349	2488
40°	2174	2304	2471
45°	2101	2252	2443
50°	2037	2187	2403
55°	1951	2120	2349
60°	1858	2031	2287
65°	1733	1913	2223
70°	1596	1798	2131
75°	1415	1669	2042
80°	1193	1492	1891
85°	871	1149	1507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	3.4
10°-20°	248.9	9.8
20°-30°	375.4	14.8
30°-40°	448.2	17.6
40°-50°	458.1	18.0
50°-60°	406.2	16.0
60°-70°	302.8	11.9
70°-80°	173.0	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°	711.1	27.9
0°-40°	1159.3	45.6
0°-60°	2023.6	79.5
0°-90°	2545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2545.0	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°	873	876	882	890	894	246
25°	791	797	814	832	842	364
35°	682	691	715	743	757	426
45°	552	564	592	624	642	426
55°	416	424	452	484	501	372
65°	272	279	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°	916.6	916.6	916.6	916.6	916.6
2.5°	916.6	915.3	915.3	915.3	916.6
5°	911.5	911.5	912.8	912.8	914.1
7.5°	906.3	906.3	907.6	908.9	911.5
10°	898.6	898.6	901.2	905.1	907.6
12.5°	887.1	888.4	893.5	898.6	902.5
15°	873.0	875.5	882.0	889.7	893.5
17.5°	856.3	858.8	867.8	878.1	883.2
20°	835.7	840.9	852.4	865.3	871.7
22.5°	815.2	820.3	834.5	849.9	857.6
25°	790.8	797.2	813.9	831.9	842.2
27.5°	765.1	772.8	792.1	812.6	824.2
30°	738.2	747.2	767.7	790.8	802.4
32.5°	709.9	718.9	742.0	767.7	780.5
35°	681.7	690.7	715.1	743.3	757.4
37.5°	650.9	659.9	685.5	716.4	731.8
40°	618.8	629.1	656.0	686.8	703.5
42.5°	585.4	597.0	623.9	657.3	674.0
45°	552.0	563.6	591.8	623.9	641.9
47.5°	519.9	528.9	557.2	590.5	608.5
50°	486.6	494.3	522.5	555.9	573.9
52.5°	450.6	460.9	487.8	521.2	537.9
55°	415.9	423.6	451.9	484.0	500.7
57.5°	380.0	387.7	414.7	446.8	462.2
60°	345.3	353.0	377.4	409.5	424.9
62.5°	306.8	314.5	338.9	372.3	387.7
65°	272.2	278.6	300.4	331.2	349.2
67.5°	237.5	243.9	264.5	294.0	308.1
70°	202.8	208.0	228.5	255.5	270.9
72.5°	169.5	174.6	195.1	219.5	232.4
75°	136.1	142.5	160.5	184.9	196.4
77.5°	105.3	111.7	127.1	148.9	159.2
80°	77.0	82.2	96.3	113.0	122.0
82.5°	51.4	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)