

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: P385124

Luminaire Tested: **22ID-25-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385124
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-L840-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

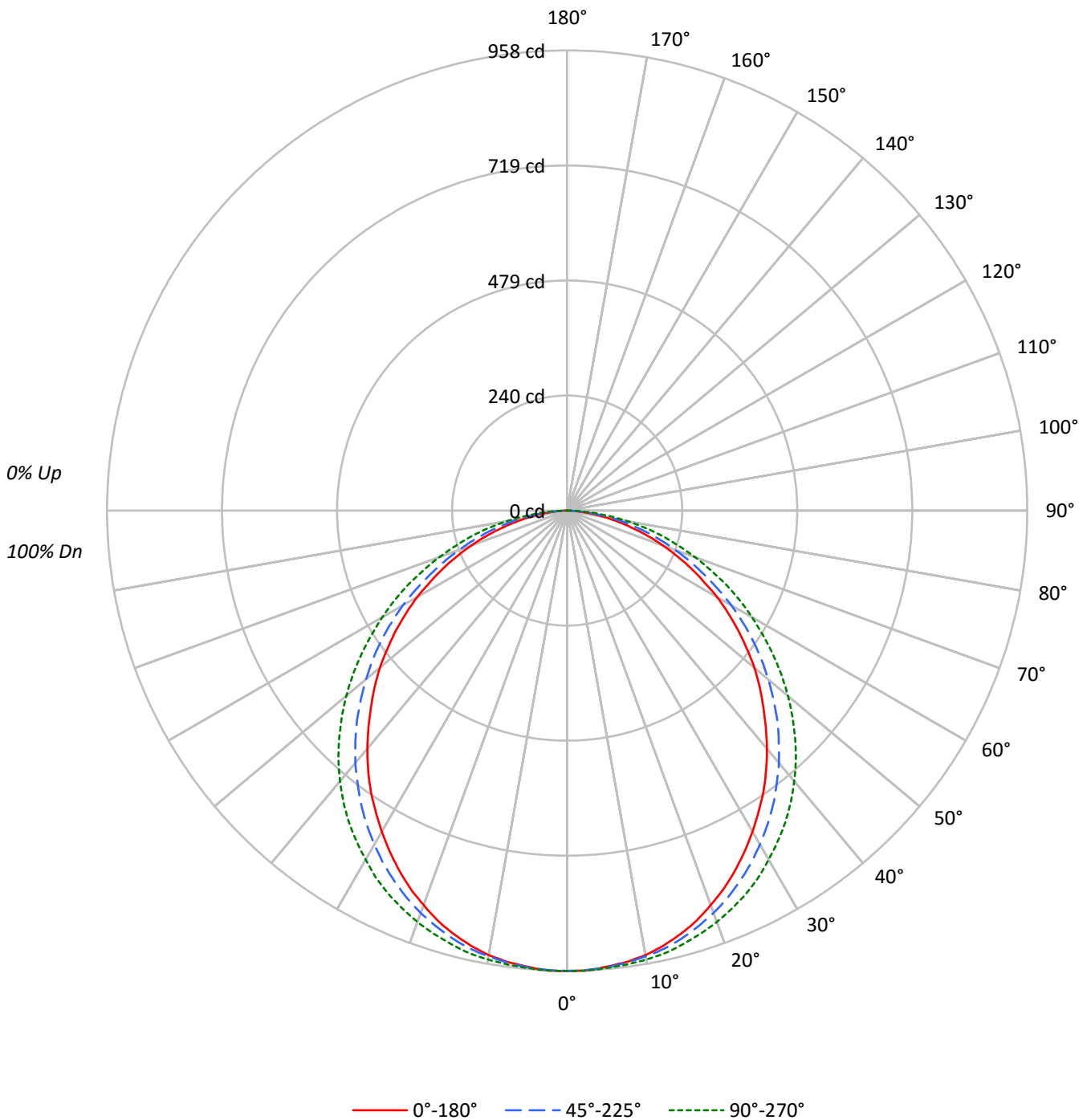
Lumens per Lamp: N/A
Luminaire Lumens: 2661.2 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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	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°	2579	2579	2579
5°	2575	2578	2582
10°	2568	2575	2593
15°	2543	2569	2603
20°	2503	2553	2610
25°	2455	2527	2615
30°	2399	2495	2607
35°	2342	2456	2602
40°	2273	2410	2584
45°	2197	2355	2554
50°	2130	2287	2512
55°	2040	2217	2456
60°	1943	2124	2391
65°	1812	2000	2325
70°	1669	1880	2228
75°	1480	1745	2136
80°	1247	1561	1976
85°	911	1201	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	3.4
10°-20°	260.3	9.8
20°-30°	392.6	14.8
30°-40°	468.7	17.6
40°-50°	479.0	18.0
50°-60°	424.7	16.0
60°-70°	316.6	11.9
70°-80°	180.9	6.8
80°-90°	47.7	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°	743.6	27.9
0°-40°	1212.3	45.6
0°-60°	2116.0	79.5
0°-90°	2661.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2661.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	953	953	954	954	956	91
15°	913	916	922	930	934	257
25°	827	834	851	870	881	381
35°	713	722	748	777	792	445
45°	577	589	619	652	671	446
55°	435	443	472	506	524	389
65°	285	291	314	346	365	282
75°	142	149	168	193	205	152
85°	30	31	39	48	51	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.5	958.5	958.5	958.5	958.5
2.5°	958.5	957.1	957.1	957.1	958.5
5°	953.1	953.1	954.4	954.4	955.8
7.5°	947.7	947.7	949.1	950.4	953.1
10°	939.7	939.7	942.4	946.4	949.1
12.5°	927.6	928.9	934.3	939.7	943.7
15°	912.8	915.5	922.2	930.3	934.3
17.5°	895.4	898.1	907.5	918.2	923.6
20°	873.9	879.3	891.4	904.8	911.5
22.5°	852.4	857.8	872.6	888.7	896.7
25°	826.9	833.6	851.1	869.9	880.6
27.5°	800.1	808.1	828.3	849.7	861.8
30°	771.9	781.3	802.8	826.9	839.0
32.5°	742.3	751.7	775.9	802.8	816.2
35°	712.8	722.2	747.7	777.2	792.0
37.5°	680.6	690.0	716.8	749.1	765.2
40°	647.0	657.8	686.0	718.2	735.6
42.5°	612.1	624.2	652.4	687.3	704.8
45°	577.2	589.3	618.8	652.4	671.2
47.5°	543.7	553.1	582.6	617.5	636.3
50°	508.8	516.8	546.4	581.3	600.1
52.5°	471.2	481.9	510.1	545.0	562.5
55°	434.9	443.0	472.5	506.1	523.5
57.5°	397.3	405.4	433.6	467.2	483.3
60°	361.1	369.2	394.7	428.2	444.3
62.5°	320.8	328.9	354.4	389.3	405.4
65°	284.6	291.3	314.1	346.3	365.1
67.5°	248.3	255.1	276.5	307.4	322.2
70°	212.1	217.5	238.9	267.1	283.2
72.5°	177.2	182.6	204.0	229.5	243.0
75°	142.3	149.0	167.8	193.3	205.4
77.5°	110.1	116.8	132.9	155.7	166.5
80°	80.5	85.9	100.7	118.1	127.5
82.5°	53.7	57.7	68.5	83.2	89.9
85°	29.5	30.9	38.9	48.3	51.0
87.5°	12.1	12.1	14.8	16.1	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)