

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: P385066

Luminaire Tested: **14ID-25-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385066
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-L830-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

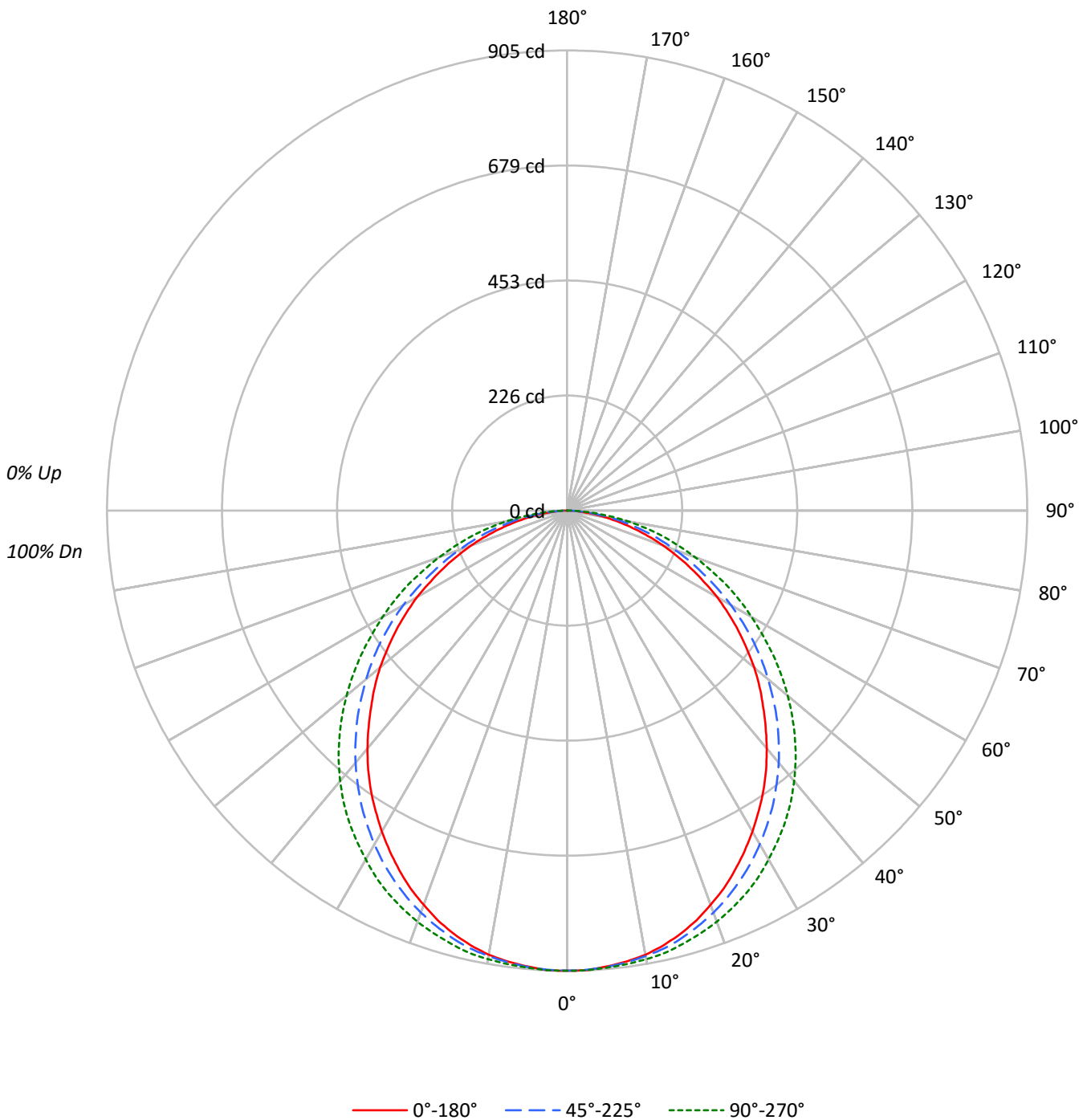
Lumens per Lamp: N/A
Luminaire Lumens: 2512.4 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	2435	2435	2435
5°	2431	2434	2437
10°	2424	2431	2448
15°	2401	2426	2457
20°	2363	2410	2464
25°	2318	2386	2469
30°	2264	2355	2461
35°	2211	2319	2456
40°	2146	2275	2440
45°	2074	2223	2412
50°	2011	2159	2372
55°	1926	2093	2319
60°	1835	2005	2258
65°	1711	1889	2195
70°	1575	1775	2104
75°	1396	1647	2016
80°	1178	1474	1866
85°	861	1136	1488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	3.4
10°-20°	245.7	9.8
20°-30°	370.6	14.8
30°-40°	442.5	17.6
40°-50°	452.2	18.0
50°-60°	401.0	16.0
60°-70°	298.9	11.9
70°-80°	170.8	6.8
80°-90°	45.0	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°	702.0	27.9
0°-40°	1144.5	45.6
0°-60°	1997.7	79.5
0°-90°	2512.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	900	900	901	901	902	86
15°	862	864	871	878	882	243
25°	781	787	804	821	831	359
35°	673	682	706	734	748	420
45°	545	556	584	616	634	421
55°	411	418	446	478	494	367
65°	269	275	297	327	345	266
75°	134	141	158	182	194	143
85°	28	29	37	46	48	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.9	904.9	904.9	904.9	904.9
2.5°	904.9	903.6	903.6	903.6	904.9
5°	899.8	899.8	901.1	901.1	902.3
7.5°	894.7	894.7	896.0	897.3	899.8
10°	887.1	887.1	889.7	893.5	896.0
12.5°	875.7	877.0	882.1	887.1	890.9
15°	861.8	864.3	870.7	878.3	882.1
17.5°	845.3	847.8	856.7	866.9	871.9
20°	825.0	830.1	841.5	854.2	860.5
22.5°	804.8	809.8	823.8	839.0	846.6
25°	780.7	787.0	803.5	821.2	831.4
27.5°	755.3	762.9	781.9	802.2	813.6
30°	728.7	737.6	757.9	780.7	792.1
32.5°	700.8	709.7	732.5	757.9	770.5
35°	673.0	681.8	705.9	733.8	747.7
37.5°	642.5	651.4	676.8	707.2	722.4
40°	610.9	621.0	647.6	678.0	694.5
42.5°	577.9	589.3	615.9	648.9	665.4
45°	545.0	556.4	584.2	615.9	633.7
47.5°	513.3	522.1	550.0	583.0	600.7
50°	480.3	487.9	515.8	548.8	566.5
52.5°	444.8	455.0	481.6	514.5	531.0
55°	410.6	418.2	446.1	477.8	494.3
57.5°	375.1	382.7	409.3	441.0	456.2
60°	340.9	348.5	372.6	404.3	419.5
62.5°	302.9	310.5	334.6	367.5	382.7
65°	268.7	275.0	296.6	327.0	344.7
67.5°	234.5	240.8	261.1	290.2	304.2
70°	200.2	205.3	225.6	252.2	267.4
72.5°	167.3	172.4	192.6	216.7	229.4
75°	134.3	140.7	158.4	182.5	193.9
77.5°	103.9	110.3	125.5	147.0	157.1
80°	76.0	81.1	95.1	111.5	120.4
82.5°	50.7	54.5	64.6	78.6	84.9
85°	27.9	29.1	36.8	45.6	48.2
87.5°	11.4	11.4	13.9	15.2	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)