

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: P385215

Luminaire Tested: **24ID-75-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385215
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: 24ID-75-L835-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

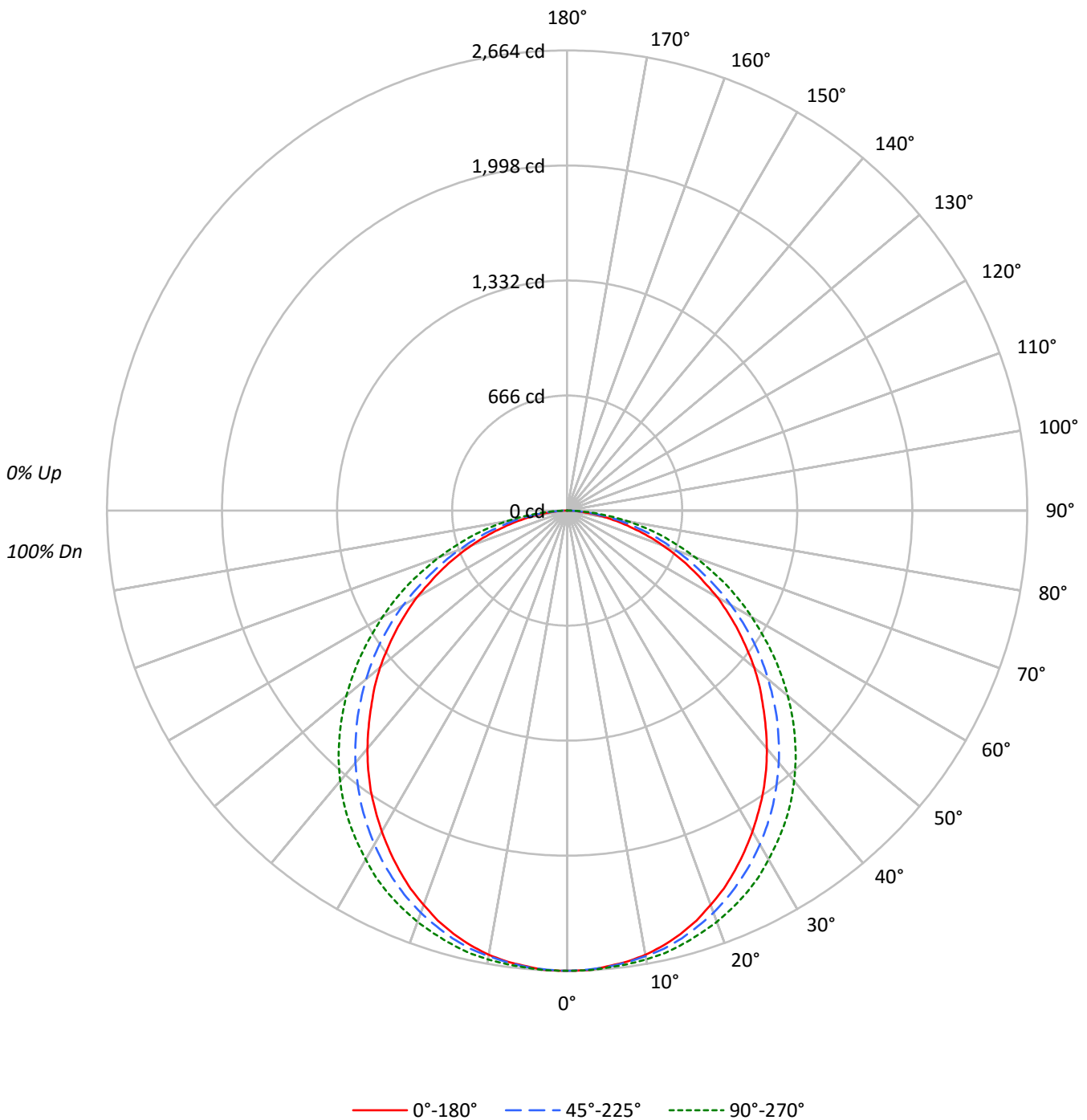
Lumens per Lamp: N/A
Luminaire Lumens: 7397.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
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°	3585	3585	3585
5°	3578	3583	3588
10°	3568	3579	3604
15°	3534	3571	3617
20°	3478	3548	3628
25°	3412	3512	3634
30°	3333	3467	3623
35°	3254	3414	3616
40°	3159	3349	3591
45°	3053	3273	3550
50°	2960	3179	3491
55°	2836	3081	3414
60°	2701	2952	3324
65°	2518	2780	3231
70°	2319	2613	3097
75°	2056	2425	2968
80°	1735	2168	2747
85°	1267	1670	2189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	3.4
10°-20°	723.5	9.8
20°-30°	1091.2	14.8
30°-40°	1302.7	17.6
40°-50°	1331.4	18.0
50°-60°	1180.6	16.0
60°-70°	880.1	11.9
70°-80°	502.8	6.8
80°-90°	132.6	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°	2066.9	27.9
0°-40°	3369.5	45.6
0°-60°	5881.5	79.5
0°-90°	7397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2664	2664	2664	2664	2664	
5°	2649	2649	2653	2653	2657	252
15°	2537	2545	2563	2586	2597	715
25°	2298	2317	2366	2418	2448	1058
35°	1981	2007	2078	2160	2202	1238
45°	1604	1638	1720	1813	1866	1240
55°	1209	1231	1313	1407	1455	1080
65°	791	810	873	963	1015	784
75°	396	414	466	537	571	422
85°	82	86	108	134	142	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2664.1	2664.1	2664.1	2664.1	2664.1
2.5°	2664.1	2660.4	2660.4	2660.4	2664.1
5°	2649.2	2649.2	2652.9	2652.9	2656.7
7.5°	2634.3	2634.3	2638.0	2641.8	2649.2
10°	2611.9	2611.9	2619.4	2630.6	2638.0
12.5°	2578.3	2582.1	2597.0	2611.9	2623.1
15°	2537.3	2544.7	2563.4	2585.8	2597.0
17.5°	2488.8	2496.2	2522.4	2552.2	2567.1
20°	2429.1	2444.0	2477.6	2514.9	2533.5
22.5°	2369.4	2384.3	2425.3	2470.1	2492.5
25°	2298.5	2317.1	2365.6	2417.9	2447.7
27.5°	2223.8	2246.2	2302.2	2361.9	2395.5
30°	2145.5	2171.6	2231.3	2298.5	2332.1
32.5°	2063.4	2089.5	2156.7	2231.3	2268.6
35°	1981.3	2007.4	2078.3	2160.4	2201.5
37.5°	1891.8	1917.9	1992.5	2082.1	2126.8
40°	1798.5	1828.3	1906.7	1996.2	2044.7
42.5°	1701.5	1735.0	1813.4	1910.4	1958.9
45°	1604.5	1638.0	1720.1	1813.4	1865.6
47.5°	1511.2	1537.3	1619.4	1716.4	1768.6
50°	1414.2	1436.5	1518.6	1615.6	1667.9
52.5°	1309.7	1339.5	1417.9	1514.9	1563.4
55°	1208.9	1231.3	1313.4	1406.7	1455.2
57.5°	1104.5	1126.8	1205.2	1298.5	1343.3
60°	1003.7	1026.1	1097.0	1190.3	1235.1
62.5°	891.8	914.2	985.1	1082.1	1126.8
65°	791.0	809.7	873.1	962.7	1014.9
67.5°	690.3	708.9	768.6	854.5	895.5
70°	589.5	604.5	664.2	742.5	787.3
72.5°	492.5	507.5	567.2	638.1	675.4
75°	395.5	414.2	466.4	537.3	570.9
77.5°	306.0	324.6	369.4	432.8	462.7
80°	223.9	238.8	279.8	328.4	354.5
82.5°	149.3	160.4	190.3	231.3	250.0
85°	82.1	85.8	108.2	134.3	141.8
87.5°	33.6	33.6	41.0	44.8	48.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)