

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: P383935

Luminaire Tested: **14ID-80-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-80-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

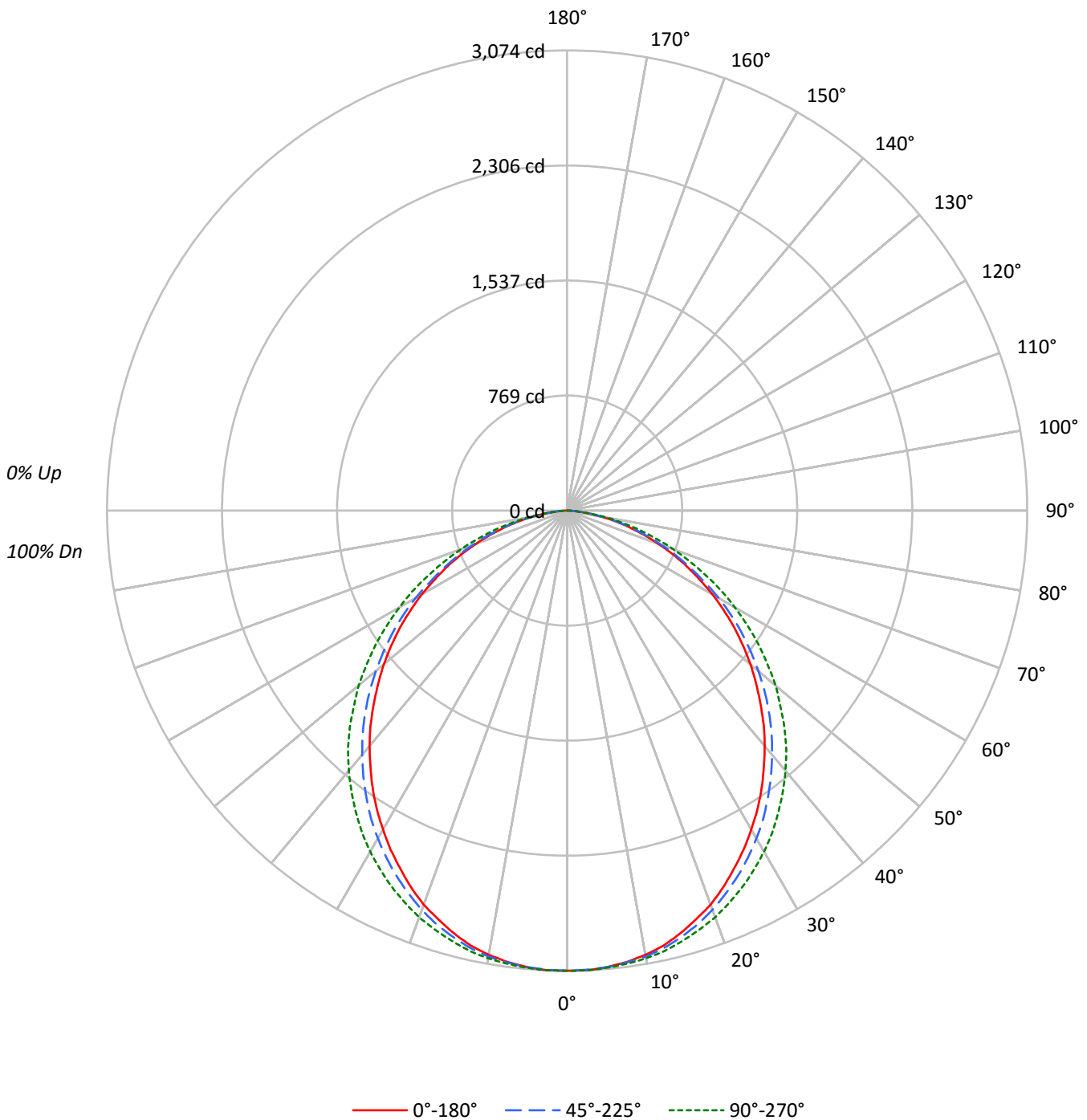
Lumens per Lamp: N/A
Luminaire Lumens: 8114.8 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 77.1
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



TEST NUMBER: P383935
CATALOG NUMBER: 14ID-80-L835-CFR2

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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8272	8272	8272
5°	8271	8271	8282
10°	8233	8266	8300
15°	8145	8213	8292
20°	8023	8128	8279
25°	7835	8004	8234
30°	7644	7859	8175
35°	7440	7681	8081
40°	7213	7485	7970
45°	6948	7257	7814
50°	6690	6979	7609
55°	6391	6677	7325
60°	6040	6302	6959
65°	5618	5799	6499
70°	5087	5279	5950
75°	4439	4608	5200
80°	3592	3654	4096
85°	2133	2387	2010



TEST NUMBER: P383935

CATALOG NUMBER: 14ID-80-L835-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	3.6
10°-20°	831.7	10.2
20°-30°	1244.2	15.3
30°-40°	1470.0	18.1
40°-50°	1483.3	18.3
50°-60°	1288.1	15.9
60°-70°	923.7	11.4
70°-80°	481.2	5.9
80°-90°	101.6	1.3
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°	2366.9	29.2
0°-40°	3836.9	47.3
0°-60°	6608.4	81.4
0°-90°	8114.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8114.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3074	3074	3074	3074	3074	
5°	3062	3058	3062	3062	3066	291
15°	2924	2928	2948	2968	2976	824
25°	2639	2655	2696	2749	2773	1216
35°	2265	2281	2338	2423	2460	1416
45°	1826	1846	1907	2005	2053	1410
55°	1362	1374	1423	1517	1561	1217
65°	882	878	911	980	1021	872
75°	427	423	443	476	500	455
85°	69	77	77	69	65	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3074.0	3074.0	3074.0	3074.0	3074.0
2.5°	3074.0	3069.9	3069.9	3069.9	3074.0
5°	3061.8	3057.7	3061.8	3061.8	3065.9
7.5°	3041.5	3037.4	3045.5	3049.6	3053.7
10°	3013.0	3013.0	3025.2	3033.3	3037.4
12.5°	2976.4	2976.4	2992.7	3004.9	3013.0
15°	2923.5	2927.6	2947.9	2968.3	2976.4
17.5°	2862.6	2874.8	2899.1	2927.6	2935.7
20°	2801.6	2809.7	2838.2	2874.8	2891.0
22.5°	2724.3	2736.5	2769.0	2817.8	2834.1
25°	2638.9	2655.2	2695.8	2748.7	2773.1
27.5°	2553.5	2565.7	2614.5	2675.5	2704.0
30°	2460.0	2476.3	2529.1	2598.3	2630.8
32.5°	2366.5	2378.7	2439.7	2512.9	2549.5
35°	2264.8	2281.1	2338.0	2423.4	2460.0
37.5°	2159.1	2179.4	2236.4	2325.8	2366.5
40°	2053.4	2065.6	2130.7	2220.1	2268.9
42.5°	1943.6	1959.9	2020.9	2118.5	2167.2
45°	1825.7	1846.0	1907.0	2004.6	2053.4
47.5°	1711.8	1732.2	1789.1	1886.7	1931.4
50°	1598.0	1610.2	1667.1	1764.7	1817.6
52.5°	1480.1	1492.3	1545.1	1638.6	1687.4
55°	1362.2	1374.4	1423.1	1516.7	1561.4
57.5°	1240.2	1248.3	1297.1	1382.5	1427.2
60°	1122.3	1126.3	1171.0	1248.3	1293.0
62.5°	996.2	1000.3	1032.8	1122.3	1162.9
65°	882.3	878.3	910.8	979.9	1020.6
67.5°	764.4	764.4	792.9	853.9	886.4
70°	646.5	646.5	670.9	723.8	756.3
72.5°	536.7	536.7	557.1	597.7	622.1
75°	426.9	422.9	443.2	475.7	500.1
77.5°	325.3	325.3	333.4	361.9	378.1
80°	231.8	231.8	235.8	252.1	264.3
82.5°	146.4	146.4	146.4	154.5	158.6
85°	69.1	77.3	77.3	69.1	65.1
87.5°	32.5	32.5	28.5	28.5	28.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)