

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: P385103

Luminaire Tested: **14ID-70-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385103
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-70-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

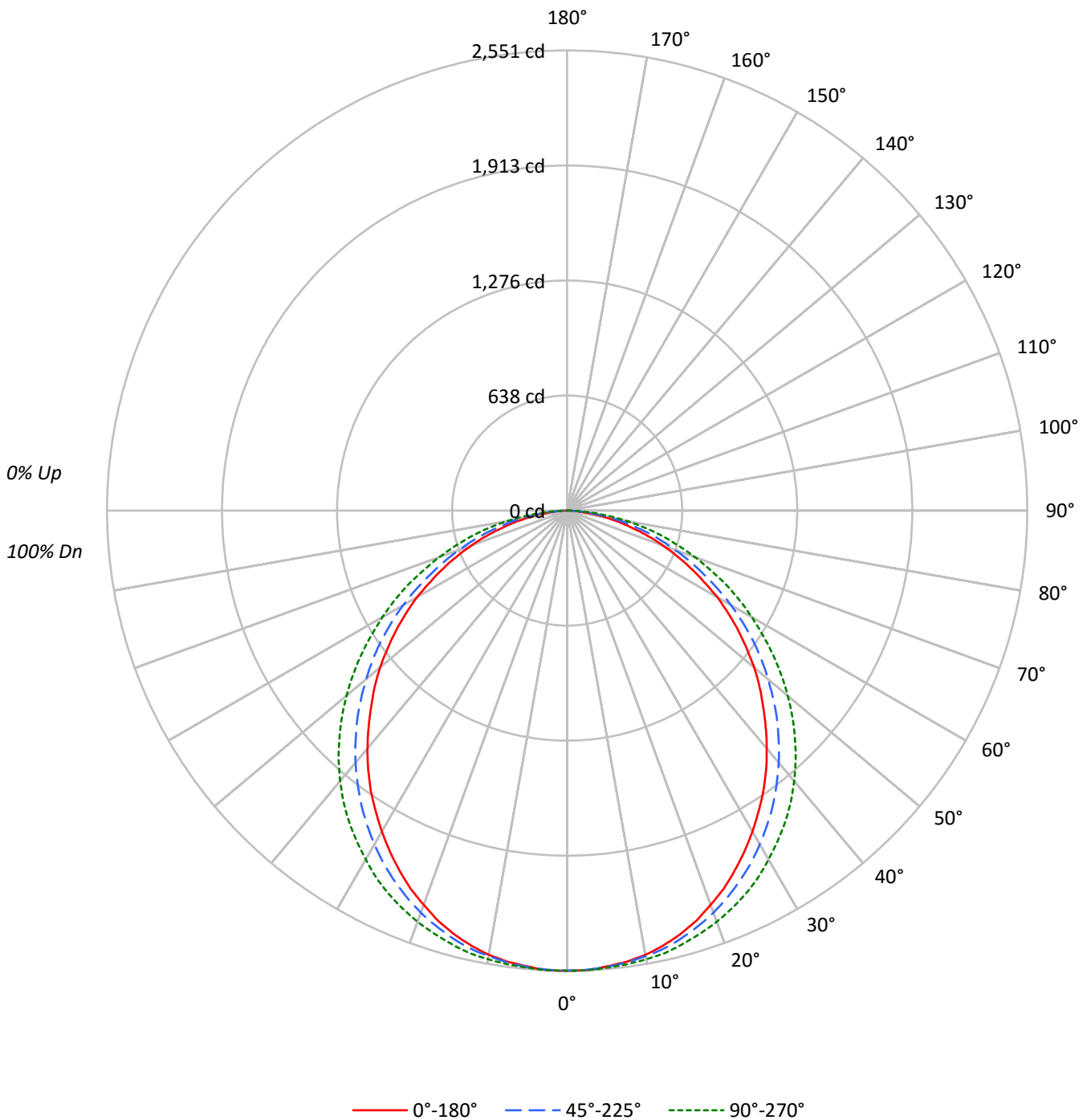
Lumens per Lamp: N/A
Luminaire Lumens: 7082.6 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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°	6864	6864	6864
5°	6852	6862	6871
10°	6834	6853	6902
15°	6768	6838	6927
20°	6660	6794	6947
25°	6535	6725	6959
30°	6383	6639	6938
35°	6232	6537	6925
40°	6049	6413	6877
45°	5847	6268	6798
50°	5669	6087	6686
55°	5431	5900	6537
60°	5173	5653	6365
65°	4823	5323	6188
70°	4441	5003	5931
75°	3937	4643	5683
80°	3322	4153	5260
85°	2427	3199	4193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	3.4
10°-20°	692.7	9.8
20°-30°	1044.8	14.8
30°-40°	1247.3	17.6
40°-50°	1274.8	18.0
50°-60°	1130.4	16.0
60°-70°	842.7	11.9
70°-80°	481.4	6.8
80°-90°	127.0	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°	1979.0	27.9
0°-40°	3226.3	45.6
0°-60°	5631.6	79.5
0°-90°	7082.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7082.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2551	2551	2551	2551	2551	
5°	2537	2537	2540	2540	2544	241
15°	2429	2437	2454	2476	2487	685
25°	2201	2219	2265	2315	2344	1013
35°	1897	1922	1990	2069	2108	1185
45°	1536	1568	1647	1736	1786	1187
55°	1158	1179	1258	1347	1393	1034
65°	757	775	836	922	972	751
75°	379	397	447	514	547	404
85°	79	82	104	129	136	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2550.9	2550.9	2550.9	2550.9	2550.9
2.5°	2550.9	2547.3	2547.3	2547.3	2550.9
5°	2536.6	2536.6	2540.2	2540.2	2543.8
7.5°	2522.3	2522.3	2525.9	2529.5	2536.6
10°	2500.9	2500.9	2508.0	2518.8	2525.9
12.5°	2468.7	2472.3	2486.6	2500.9	2511.6
15°	2429.4	2436.6	2454.4	2475.9	2486.6
17.5°	2383.0	2390.1	2415.1	2443.7	2458.0
20°	2325.8	2340.1	2372.3	2408.0	2425.9
22.5°	2268.7	2283.0	2322.3	2365.1	2386.6
25°	2200.8	2218.6	2265.1	2315.1	2343.7
27.5°	2129.3	2150.8	2204.4	2261.5	2293.7
30°	2054.3	2079.3	2136.5	2200.8	2232.9
32.5°	1975.7	2000.7	2065.0	2136.5	2172.2
35°	1897.1	1922.1	1990.0	2068.6	2107.9
37.5°	1811.4	1836.4	1907.8	1993.6	2036.4
40°	1722.0	1750.6	1825.6	1911.4	1957.8
42.5°	1629.1	1661.3	1736.3	1829.2	1875.7
45°	1536.3	1568.4	1647.0	1736.3	1786.3
47.5°	1446.9	1472.0	1550.6	1643.4	1693.5
50°	1354.1	1375.5	1454.1	1547.0	1597.0
52.5°	1254.0	1282.6	1357.6	1450.5	1497.0
55°	1157.6	1179.0	1257.6	1346.9	1393.4
57.5°	1057.5	1079.0	1154.0	1243.3	1286.2
60°	961.1	982.5	1050.4	1139.7	1182.6
62.5°	853.9	875.3	943.2	1036.1	1079.0
65°	757.4	775.3	836.0	921.8	971.8
67.5°	660.9	678.8	736.0	818.1	857.4
70°	564.5	578.8	635.9	711.0	753.8
72.5°	471.6	485.9	543.0	610.9	646.7
75°	378.7	396.6	446.6	514.5	546.6
77.5°	293.0	310.8	353.7	414.4	443.0
80°	214.4	228.7	268.0	314.4	339.4
82.5°	142.9	153.6	182.2	221.5	239.4
85°	78.6	82.2	103.6	128.6	135.8
87.5°	32.2	32.2	39.3	42.9	46.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)