

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: P385335

Luminaire Tested: **22ID-80-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-80-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

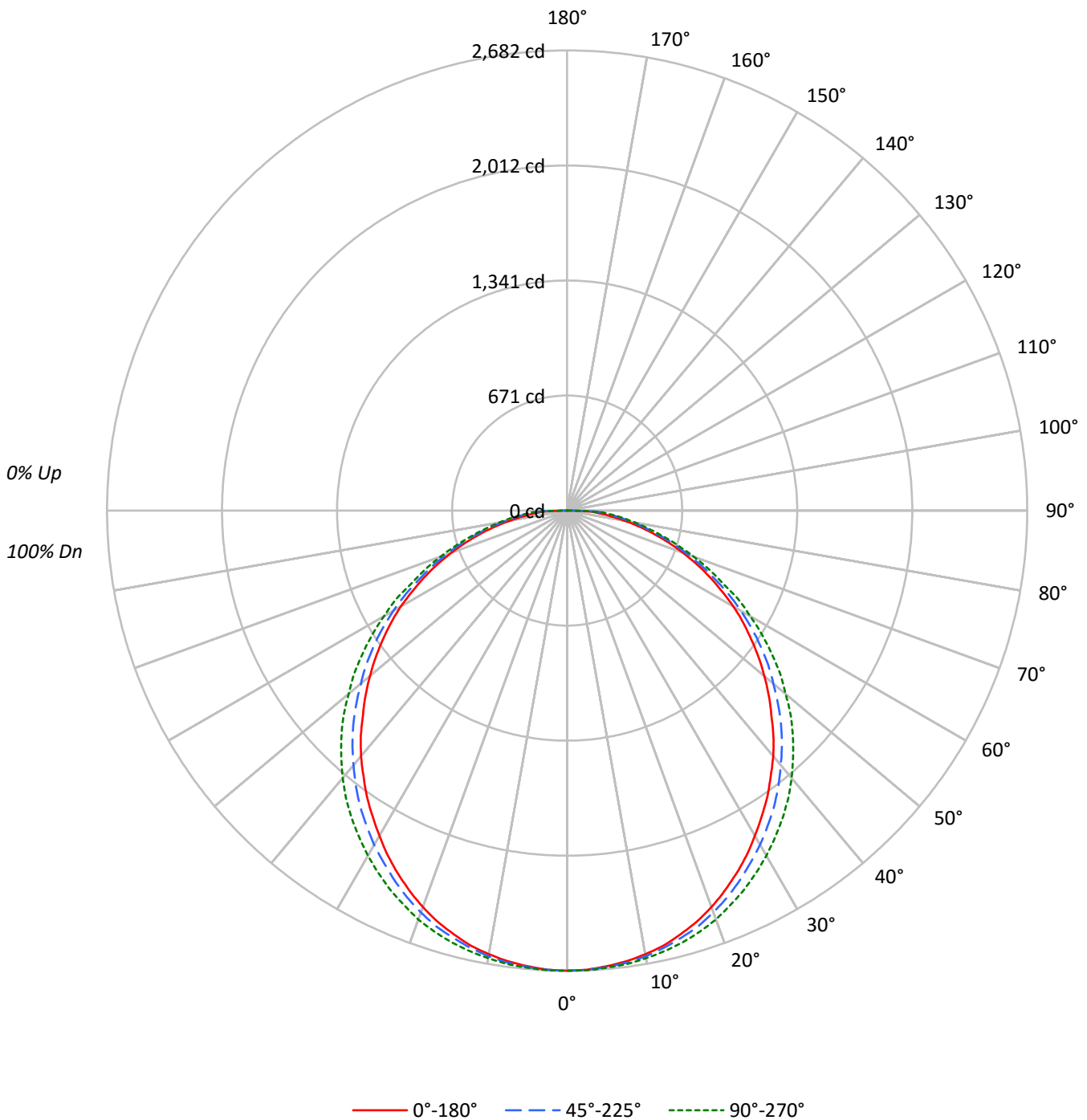
Lumens per Lamp: N/A
Luminaire Lumens: 7778.9 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28		40	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7217	7217	7217
5°	7149	7138	7171
10°	7070	7060	7135
15°	6967	6959	7099
20°	6836	6842	7050
25°	6671	6695	6972
30°	6488	6544	6884
35°	6316	6383	6793
40°	6136	6194	6681
45°	5911	6004	6537
50°	5715	5762	6332
55°	5495	5523	6106
60°	5270	5225	5803
65°	4961	4853	5398
70°	4584	4448	5024
75°	4138	4002	4588
80°	3534	3532	4215
85°	3006	3193	4031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	3.3
10°-20°	727.2	9.3
20°-30°	1097.5	14.1
30°-40°	1317.3	16.9
40°-50°	1363.3	17.5
50°-60°	1235.0	15.9
60°-70°	951.5	12.2
70°-80°	588.8	7.6
80°-90°	244.6	3.1
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°	2078.5	26.7
0°-40°	3395.8	43.7
0°-60°	5994.1	77.1
0°-90°	7778.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7778.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2682	2682	2682	2682	2682	
5°	2666	2666	2670	2670	2674	253
15°	2557	2561	2577	2593	2605	721
25°	2334	2342	2379	2419	2439	1075
35°	2035	2051	2104	2160	2188	1272
45°	1683	1707	1764	1828	1861	1301
55°	1311	1331	1375	1436	1456	1174
65°	918	926	955	995	999	908
75°	522	534	554	578	578	553
85°	190	210	243	259	255	205
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2682.0	2682.0	2682.0	2682.0	2682.0
2.5°	2678.0	2678.0	2678.0	2678.0	2682.0
5°	2665.8	2665.8	2669.9	2669.9	2673.9
7.5°	2649.6	2649.6	2657.7	2657.7	2665.8
10°	2625.4	2629.4	2637.5	2641.6	2649.6
12.5°	2597.1	2597.1	2609.2	2621.3	2629.4
15°	2556.6	2560.6	2576.8	2593.0	2605.1
17.5°	2512.1	2516.2	2540.4	2556.6	2572.8
20°	2459.5	2463.6	2491.9	2516.2	2536.4
22.5°	2398.8	2406.9	2439.3	2471.7	2487.8
25°	2334.1	2342.2	2378.6	2419.1	2439.3
27.5°	2265.3	2277.5	2313.9	2358.4	2382.7
30°	2188.5	2204.7	2249.2	2297.7	2322.0
32.5°	2111.6	2127.8	2176.3	2233.0	2257.3
35°	2034.8	2050.9	2103.5	2160.2	2188.5
37.5°	1949.8	1966.0	2022.6	2083.3	2115.7
40°	1868.9	1885.1	1937.7	2006.4	2034.8
42.5°	1779.9	1796.1	1852.7	1917.5	1949.8
45°	1682.8	1707.1	1763.7	1828.5	1860.8
47.5°	1593.8	1614.1	1666.6	1735.4	1767.8
50°	1500.8	1521.0	1569.6	1638.3	1662.6
52.5°	1407.8	1428.0	1476.5	1541.2	1565.5
55°	1310.7	1330.9	1375.4	1436.1	1456.3
57.5°	1217.6	1233.8	1274.3	1330.9	1347.1
60°	1120.5	1136.7	1169.1	1221.7	1233.8
62.5°	1015.4	1027.5	1063.9	1112.4	1128.6
65°	918.3	926.4	954.7	995.1	999.2
67.5°	817.1	825.2	853.5	881.9	894.0
70°	716.0	728.1	748.4	776.7	784.8
72.5°	618.9	631.1	651.3	675.6	679.6
75°	521.8	534.0	554.2	578.5	578.5
77.5°	428.8	440.9	465.2	485.4	485.4
80°	335.8	356.0	380.3	400.5	400.5
82.5°	258.9	275.1	307.4	323.6	323.6
85°	190.1	210.4	242.7	258.9	254.9
87.5°	137.5	157.8	186.1	198.2	194.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)