

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: P385159

Luminaire Tested: **22ID-70-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385159
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: 22ID-70-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

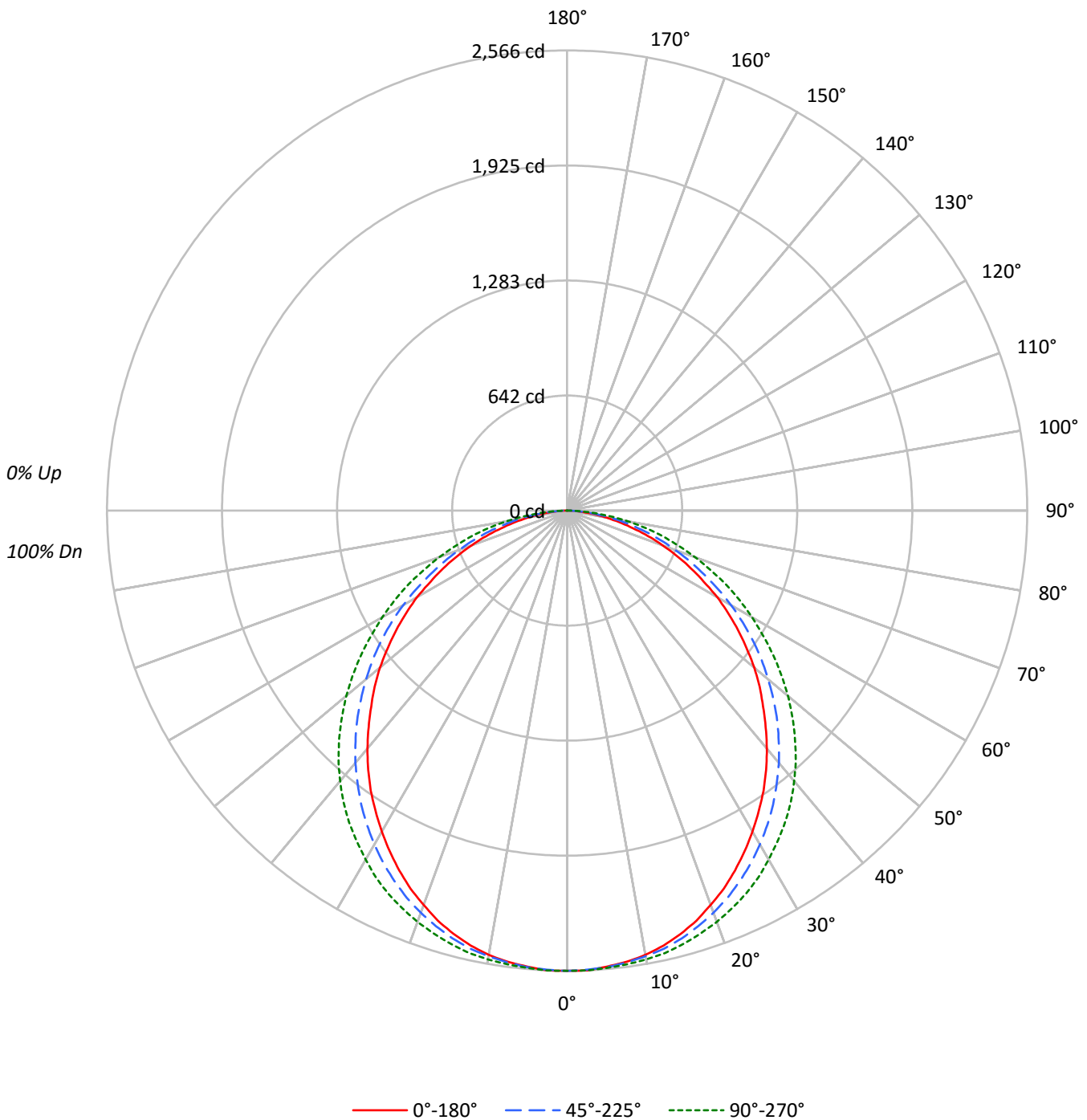
Lumens per Lamp: N/A
Luminaire Lumens: 7125.8 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.1
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



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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°	6906	6906	6906
5°	6894	6904	6913
10°	6875	6895	6944
15°	6810	6880	6970
20°	6701	6835	6989
25°	6574	6766	7001
30°	6422	6679	6981
35°	6270	6577	6967
40°	6086	6452	6920
45°	5882	6306	6839
50°	5703	6125	6726
55°	5464	5936	6577
60°	5204	5688	6403
65°	4852	5356	6225
70°	4468	5034	5967
75°	3961	4671	5718
80°	3343	4178	5292
85°	2442	3217	4218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	3.4
10°-20°	697.0	9.8
20°-30°	1051.2	14.8
30°-40°	1254.9	17.6
40°-50°	1282.6	18.0
50°-60°	1137.3	16.0
60°-70°	847.8	11.9
70°-80°	484.3	6.8
80°-90°	127.8	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°	1991.1	27.9
0°-40°	3246.0	45.6
0°-60°	5665.9	79.5
0°-90°	7125.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7125.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2552	2552	2556	2556	2559	243
15°	2444	2451	2469	2491	2502	689
25°	2214	2232	2279	2329	2358	1019
35°	1909	1934	2002	2081	2121	1192
45°	1546	1578	1657	1747	1797	1194
55°	1165	1186	1265	1355	1402	1041
65°	762	780	841	927	978	755
75°	381	399	449	518	550	406
85°	79	83	104	129	137	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2566.5	2566.5	2566.5	2566.5	2566.5
2.5°	2566.5	2562.9	2562.9	2562.9	2566.5
5°	2552.1	2552.1	2555.7	2555.7	2559.3
7.5°	2537.7	2537.7	2541.3	2544.9	2552.1
10°	2516.1	2516.1	2523.3	2534.1	2541.3
12.5°	2483.8	2487.4	2501.8	2516.1	2526.9
15°	2444.3	2451.4	2469.4	2491.0	2501.8
17.5°	2397.5	2404.7	2429.9	2458.6	2473.0
20°	2340.0	2354.4	2386.7	2422.7	2440.7
22.5°	2282.5	2296.9	2336.4	2379.6	2401.1
25°	2214.2	2232.2	2278.9	2329.2	2358.0
27.5°	2142.3	2163.9	2217.8	2275.3	2307.7
30°	2066.8	2092.0	2149.5	2214.2	2246.6
32.5°	1987.8	2012.9	2077.6	2149.5	2185.4
35°	1908.7	1933.8	2002.1	2081.2	2120.7
37.5°	1822.4	1847.6	1919.5	2005.7	2048.9
40°	1732.5	1761.3	1836.8	1923.1	1969.8
42.5°	1639.1	1671.4	1746.9	1840.4	1887.1
45°	1545.6	1578.0	1657.1	1746.9	1797.2
47.5°	1455.8	1480.9	1560.0	1653.5	1703.8
50°	1362.3	1383.9	1463.0	1556.4	1606.7
52.5°	1261.7	1290.4	1365.9	1459.4	1506.1
55°	1164.6	1186.2	1265.3	1355.1	1401.9
57.5°	1064.0	1085.5	1161.0	1250.9	1294.0
60°	966.9	988.5	1056.8	1146.6	1189.8
62.5°	859.1	880.6	948.9	1042.4	1085.5
65°	762.0	780.0	841.1	927.4	977.7
67.5°	665.0	683.0	740.5	823.1	862.7
70°	567.9	582.3	639.8	715.3	758.4
72.5°	474.5	488.9	546.4	614.7	650.6
75°	381.0	399.0	449.3	517.6	550.0
77.5°	294.7	312.7	355.9	417.0	445.7
80°	215.7	230.0	269.6	316.3	341.5
82.5°	143.8	154.6	183.3	222.9	240.8
85°	79.1	82.7	104.2	129.4	136.6
87.5°	32.4	32.4	39.5	43.1	46.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)