

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: P385101

Luminaire Tested: **14ID-65-L850-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385101  
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-65-L850-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

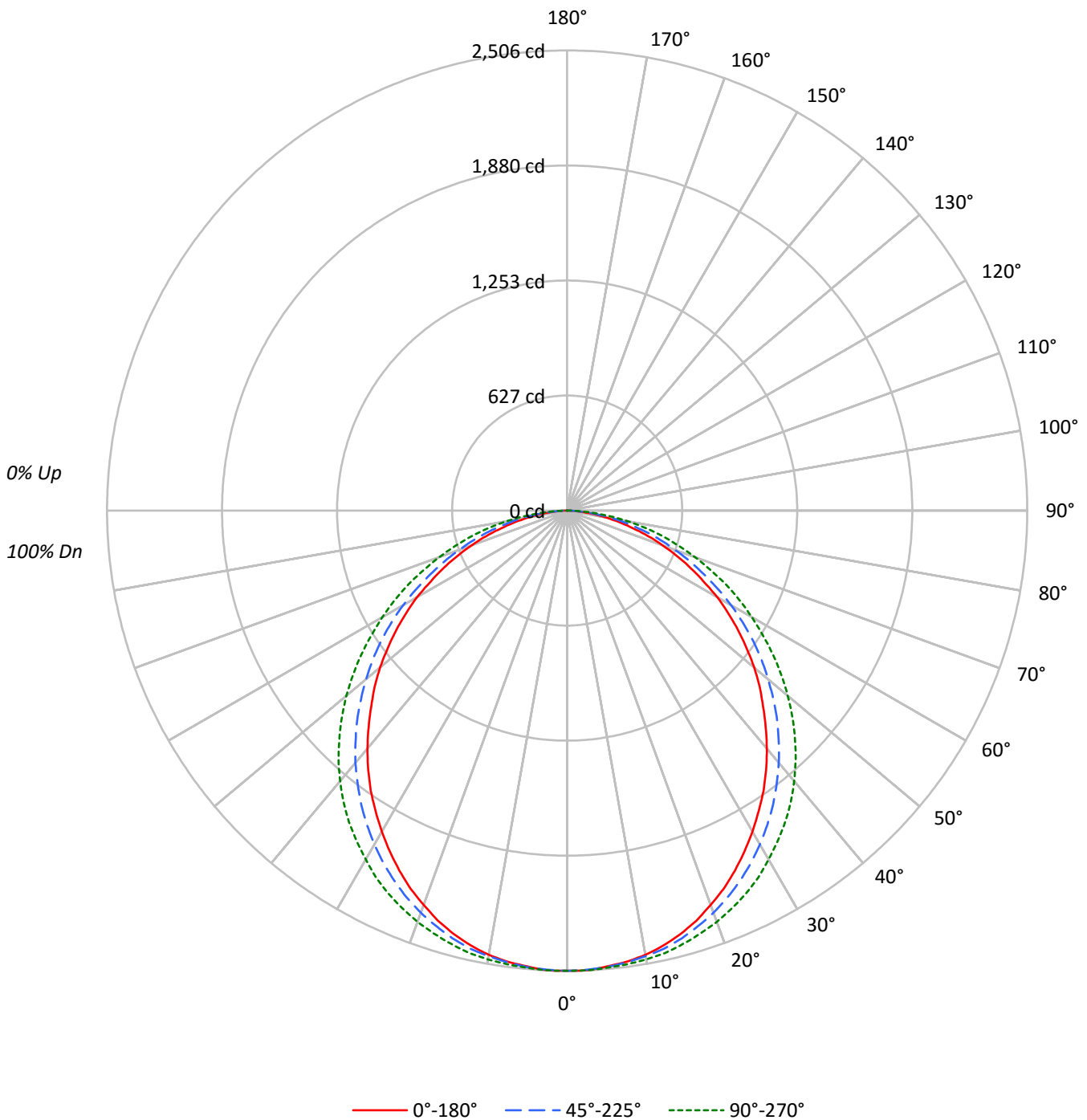
Lumens per Lamp: N/A  
Luminaire Lumens: 6958.5 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.4  
Input Voltage (V): NR  
Input Current (Ain): 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°	6744	6744	6744
5°	6732	6742	6751
10°	6714	6733	6781
15°	6650	6718	6806
20°	6544	6674	6825
25°	6420	6608	6837
30°	6271	6522	6817
35°	6123	6423	6803
40°	5943	6301	6757
45°	5744	6158	6679
50°	5569	5981	6568
55°	5336	5797	6422
60°	5082	5554	6253
65°	4738	5230	6079
70°	4364	4916	5827
75°	3869	4562	5583
80°	3264	4080	5168
85°	2384	3143	4119



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.2	3.4
10°-20°	680.6	9.8
20°-30°	1026.5	14.8
30°-40°	1225.5	17.6
40°-50°	1252.5	18.0
50°-60°	1110.6	16.0
60°-70°	827.9	11.9
70°-80°	473.0	6.8
80°-90°	124.8	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°	1944.3	27.9
0°-40°	3169.8	45.6
0°-60°	5532.9	79.5
0°-90°	6958.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6958.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2492	2492	2496	2496	2499	237
15°	2387	2394	2411	2432	2443	673
25°	2162	2180	2225	2274	2303	996
35°	1864	1888	1955	2032	2071	1164
45°	1509	1541	1618	1706	1755	1166
55°	1137	1158	1236	1323	1369	1016
65°	744	762	821	906	955	738
75°	372	390	439	506	537	397
85°	77	81	102	126	133	96
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2506.2	2506.2	2506.2	2506.2	2506.2
2.5°	2506.2	2502.7	2502.7	2502.7	2506.2
5°	2492.2	2492.2	2495.7	2495.7	2499.2
7.5°	2478.1	2478.1	2481.6	2485.1	2492.2
10°	2457.1	2457.1	2464.1	2474.6	2481.6
12.5°	2425.5	2429.0	2443.0	2457.1	2467.6
15°	2386.9	2393.9	2411.4	2432.5	2443.0
17.5°	2341.2	2348.3	2372.8	2400.9	2414.9
20°	2285.1	2299.1	2330.7	2365.8	2383.4
22.5°	2228.9	2243.0	2281.6	2323.7	2344.7
25°	2162.2	2179.8	2225.4	2274.5	2302.6
27.5°	2092.0	2113.1	2165.7	2221.9	2253.5
30°	2018.3	2042.9	2099.0	2162.2	2193.8
32.5°	1941.1	1965.7	2028.8	2099.0	2134.1
35°	1863.9	1888.4	1955.1	2032.3	2071.0
37.5°	1779.6	1804.2	1874.4	1958.6	2000.8
40°	1691.9	1719.9	1793.7	1877.9	1923.5
42.5°	1600.6	1632.2	1705.9	1797.2	1842.8
45°	1509.3	1540.9	1618.2	1705.9	1755.0
47.5°	1421.6	1446.2	1523.4	1614.6	1663.8
50°	1330.3	1351.4	1428.6	1519.9	1569.0
52.5°	1232.0	1260.1	1333.8	1425.1	1470.7
55°	1137.3	1158.3	1235.6	1323.3	1368.9
57.5°	1039.0	1060.0	1133.8	1221.5	1263.6
60°	944.2	965.3	1032.0	1119.7	1161.8
62.5°	838.9	860.0	926.7	1017.9	1060.0
65°	744.1	761.7	821.4	905.6	954.7
67.5°	649.4	666.9	723.1	803.8	842.4
70°	554.6	568.6	624.8	698.5	740.6
72.5°	463.3	477.4	533.5	600.2	635.3
75°	372.1	389.6	438.8	505.5	537.0
77.5°	287.8	305.4	347.5	407.2	435.3
80°	210.6	224.6	263.3	308.9	333.5
82.5°	140.4	150.9	179.0	217.6	235.2
85°	77.2	80.7	101.8	126.4	133.4
87.5°	31.6	31.6	38.6	42.1	45.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)