

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: P385100

Luminaire Tested: **14ID-65-L840-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385100  
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-L840-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

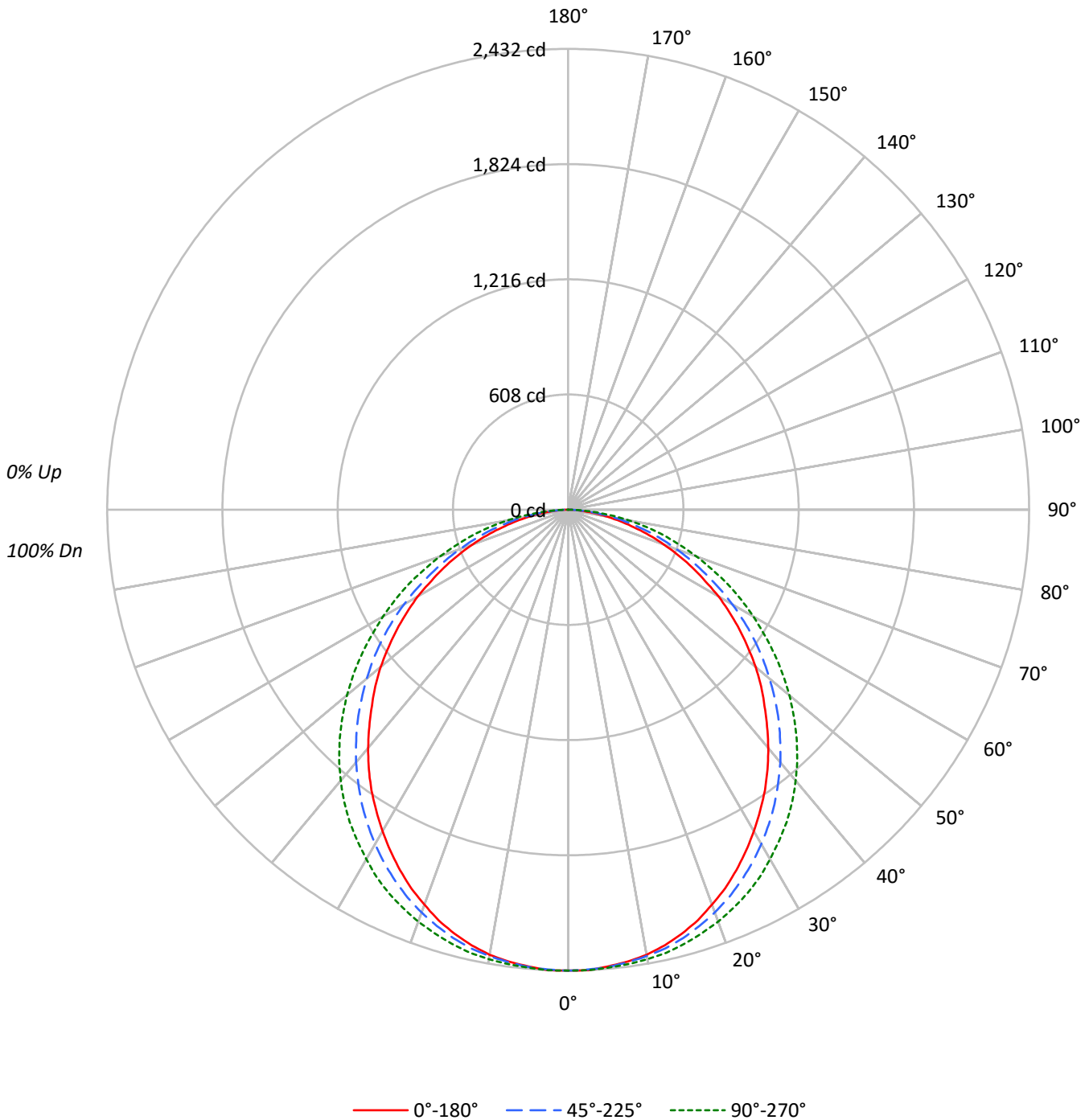
Lumens per Lamp: N/A  
Luminaire Lumens: 6753.9 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6546	6546	6546
5°	6534	6543	6552
10°	6516	6535	6582
15°	6454	6520	6606
20°	6351	6478	6625
25°	6231	6413	6636
30°	6087	6330	6616
35°	5943	6234	6603
40°	5768	6115	6558
45°	5575	5977	6482
50°	5406	5805	6375
55°	5179	5626	6234
60°	4933	5391	6069
65°	4599	5076	5901
70°	4235	4771	5656
75°	3754	4428	5420
80°	3168	3959	5016
85°	2316	3051	3998



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.3	3.4
10°-20°	660.6	9.8
20°-30°	996.3	14.8
30°-40°	1189.4	17.6
40°-50°	1215.6	18.0
50°-60°	1077.9	16.0
60°-70°	803.6	11.9
70°-80°	459.1	6.8
80°-90°	121.1	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°	1887.2	27.9
0°-40°	3076.6	45.6
0°-60°	5370.2	79.5
0°-90°	6753.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6753.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2432	2432	2432	2432	2432	
5°	2419	2419	2422	2422	2426	230
15°	2317	2324	2340	2361	2371	653
25°	2099	2116	2160	2208	2235	966
35°	1809	1833	1898	1973	2010	1130
45°	1465	1496	1571	1656	1703	1132
55°	1104	1124	1199	1284	1329	986
65°	722	739	797	879	927	716
75°	361	378	426	491	521	385
85°	75	78	99	123	130	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2432.5	2432.5	2432.5	2432.5	2432.5
2.5°	2432.5	2429.1	2429.1	2429.1	2432.5
5°	2418.9	2418.9	2422.3	2422.3	2425.7
7.5°	2405.3	2405.3	2408.7	2412.1	2418.9
10°	2384.8	2384.8	2391.6	2401.9	2408.7
12.5°	2354.2	2357.6	2371.2	2384.8	2395.0
15°	2316.7	2323.5	2340.5	2361.0	2371.2
17.5°	2272.4	2279.2	2303.1	2330.3	2343.9
20°	2217.9	2231.5	2262.2	2296.2	2313.3
22.5°	2163.4	2177.0	2214.5	2255.4	2275.8
25°	2098.6	2115.7	2160.0	2207.7	2234.9
27.5°	2030.5	2050.9	2102.1	2156.6	2187.2
30°	1959.0	1982.8	2037.3	2098.6	2129.3
32.5°	1884.0	1907.9	1969.2	2037.3	2071.4
35°	1809.1	1832.9	1897.6	1972.6	2010.1
37.5°	1727.3	1751.1	1819.3	1901.0	1941.9
40°	1642.1	1669.4	1740.9	1822.7	1867.0
42.5°	1553.5	1584.2	1655.7	1744.3	1788.6
45°	1465.0	1495.6	1570.6	1655.7	1703.4
47.5°	1379.8	1403.6	1478.6	1567.2	1614.9
50°	1291.2	1311.7	1386.6	1475.2	1522.9
52.5°	1195.8	1223.1	1294.6	1383.2	1427.5
55°	1103.8	1124.3	1199.2	1284.4	1328.7
57.5°	1008.4	1028.9	1100.4	1185.6	1226.5
60°	916.5	936.9	1001.6	1086.8	1127.7
62.5°	814.2	834.7	899.4	988.0	1028.9
65°	722.3	739.3	797.2	879.0	926.7
67.5°	630.3	647.3	701.8	780.2	817.7
70°	538.3	551.9	606.4	678.0	718.9
72.5°	449.7	463.3	517.8	582.6	616.6
75°	361.1	378.2	425.9	490.6	521.3
77.5°	279.4	296.4	337.3	395.2	422.5
80°	204.4	218.0	255.5	299.8	323.7
82.5°	136.3	146.5	173.8	211.2	228.3
85°	75.0	78.4	98.8	122.6	129.5
87.5°	30.7	30.7	37.5	40.9	44.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)