

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: P385136

Luminaire Tested: **22ID-40-L840-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385136  
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-40-L840-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

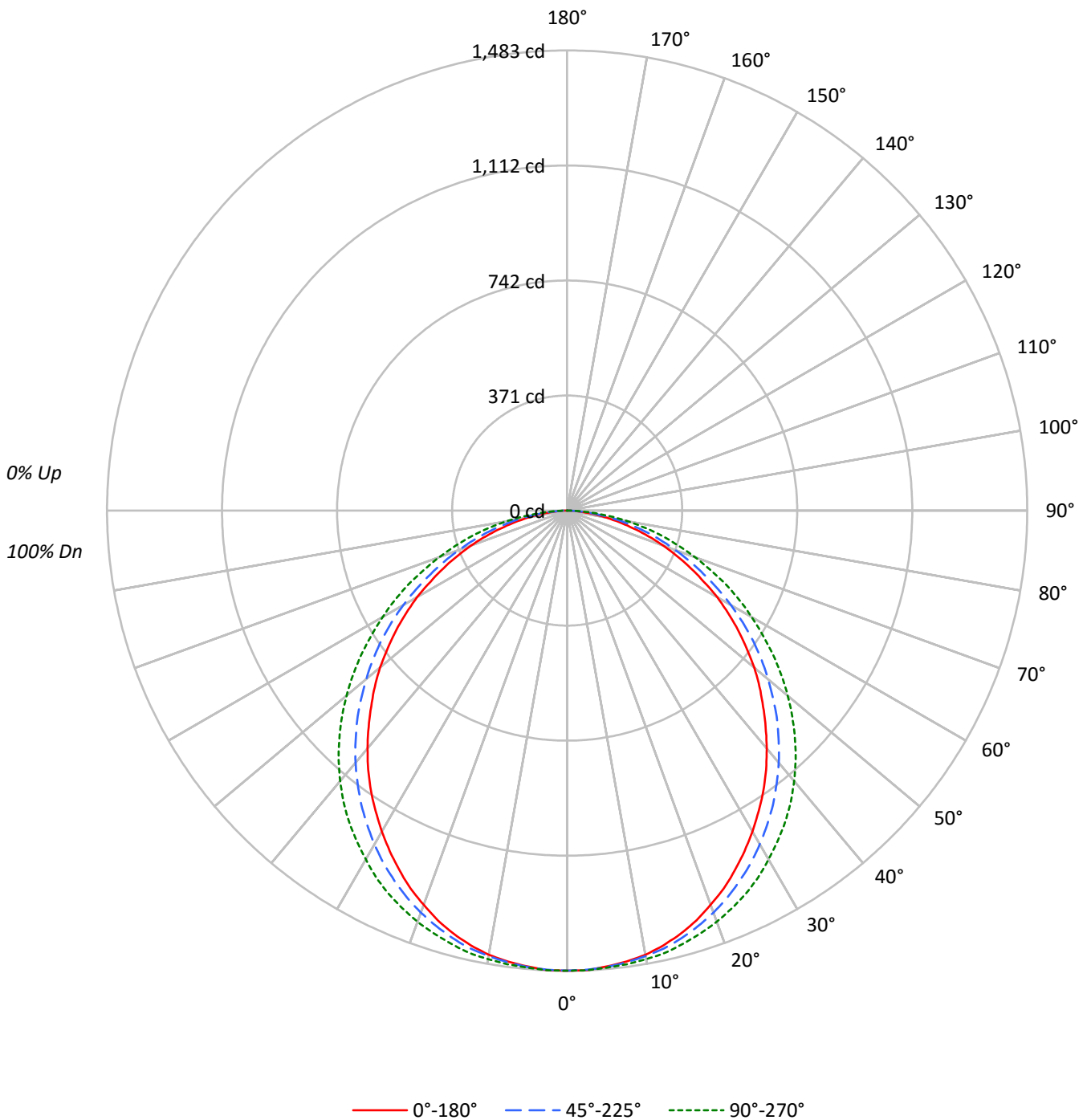
Lumens per Lamp: N/A  
Luminaire Lumens: 4116.9 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 32.7  
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°	3990	3990	3990
5°	3983	3988	3994
10°	3972	3983	4012
15°	3934	3975	4027
20°	3871	3949	4038
25°	3798	3909	4045
30°	3710	3859	4033
35°	3622	3800	4025
40°	3516	3728	3998
45°	3398	3643	3951
50°	3295	3538	3886
55°	3157	3430	3800
60°	3006	3286	3700
65°	2804	3094	3597
70°	2581	2909	3448
75°	2288	2699	3303
80°	1931	2414	3058
85°	1411	1859	2436



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.4	3.4
10°-20°	402.7	9.8
20°-30°	607.3	14.8
30°-40°	725.0	17.6
40°-50°	741.0	18.0
50°-60°	657.1	16.0
60°-70°	489.8	11.9
70°-80°	279.8	6.8
80°-90°	73.8	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°	1150.3	27.9
0°-40°	1875.4	45.6
0°-60°	3273.5	79.5
0°-90°	4116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1483	1483	1483	1483	1483	
5°	1474	1474	1476	1476	1479	140
15°	1412	1416	1427	1439	1445	398
25°	1279	1290	1317	1346	1362	589
35°	1103	1117	1157	1202	1225	689
45°	893	912	957	1009	1038	690
55°	673	685	731	783	810	601
65°	440	451	486	536	565	436
75°	220	230	260	299	318	235
85°	46	48	60	75	79	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1482.8	1482.8	1482.8	1482.8	1482.8
2.5°	1482.8	1480.7	1480.7	1480.7	1482.8
5°	1474.5	1474.5	1476.5	1476.5	1478.6
7.5°	1466.1	1466.1	1468.2	1470.3	1474.5
10°	1453.7	1453.7	1457.8	1464.1	1468.2
12.5°	1435.0	1437.1	1445.4	1453.7	1459.9
15°	1412.2	1416.3	1426.7	1439.2	1445.4
17.5°	1385.2	1389.3	1403.8	1420.5	1428.8
20°	1351.9	1360.2	1378.9	1399.7	1410.1
22.5°	1318.7	1327.0	1349.9	1374.8	1387.2
25°	1279.2	1289.6	1316.6	1345.7	1362.3
27.5°	1237.7	1250.2	1281.3	1314.6	1333.2
30°	1194.1	1208.6	1241.9	1279.2	1297.9
32.5°	1148.4	1163.0	1200.3	1241.9	1262.6
35°	1102.7	1117.3	1156.7	1202.4	1225.3
37.5°	1052.9	1067.4	1109.0	1158.8	1183.7
40°	1001.0	1017.6	1061.2	1111.0	1138.0
42.5°	947.0	965.7	1009.3	1063.3	1090.3
45°	893.0	911.7	957.4	1009.3	1038.3
47.5°	841.1	855.6	901.3	955.3	984.4
50°	787.1	799.5	845.2	899.2	928.3
52.5°	728.9	745.5	789.1	843.1	870.1
55°	672.9	685.3	731.0	782.9	809.9
57.5°	614.7	627.2	670.8	722.7	747.6
60°	558.6	571.1	610.5	662.5	687.4
62.5°	496.3	508.8	548.2	602.2	627.2
65°	440.3	450.6	485.9	535.8	564.9
67.5°	384.2	394.6	427.8	475.6	498.4
70°	328.1	336.4	369.7	413.3	438.2
72.5°	274.1	282.4	315.7	355.1	375.9
75°	220.1	230.5	259.6	299.0	317.7
77.5°	170.3	180.7	205.6	240.9	257.5
80°	124.6	132.9	155.8	182.7	197.3
82.5°	83.1	89.3	105.9	128.8	139.1
85°	45.7	47.8	60.2	74.8	78.9
87.5°	18.7	18.7	22.8	24.9	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)