

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: P385352

Luminaire Tested: **24ID-35-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385352  
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: 24ID-35-L840-CNV  
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

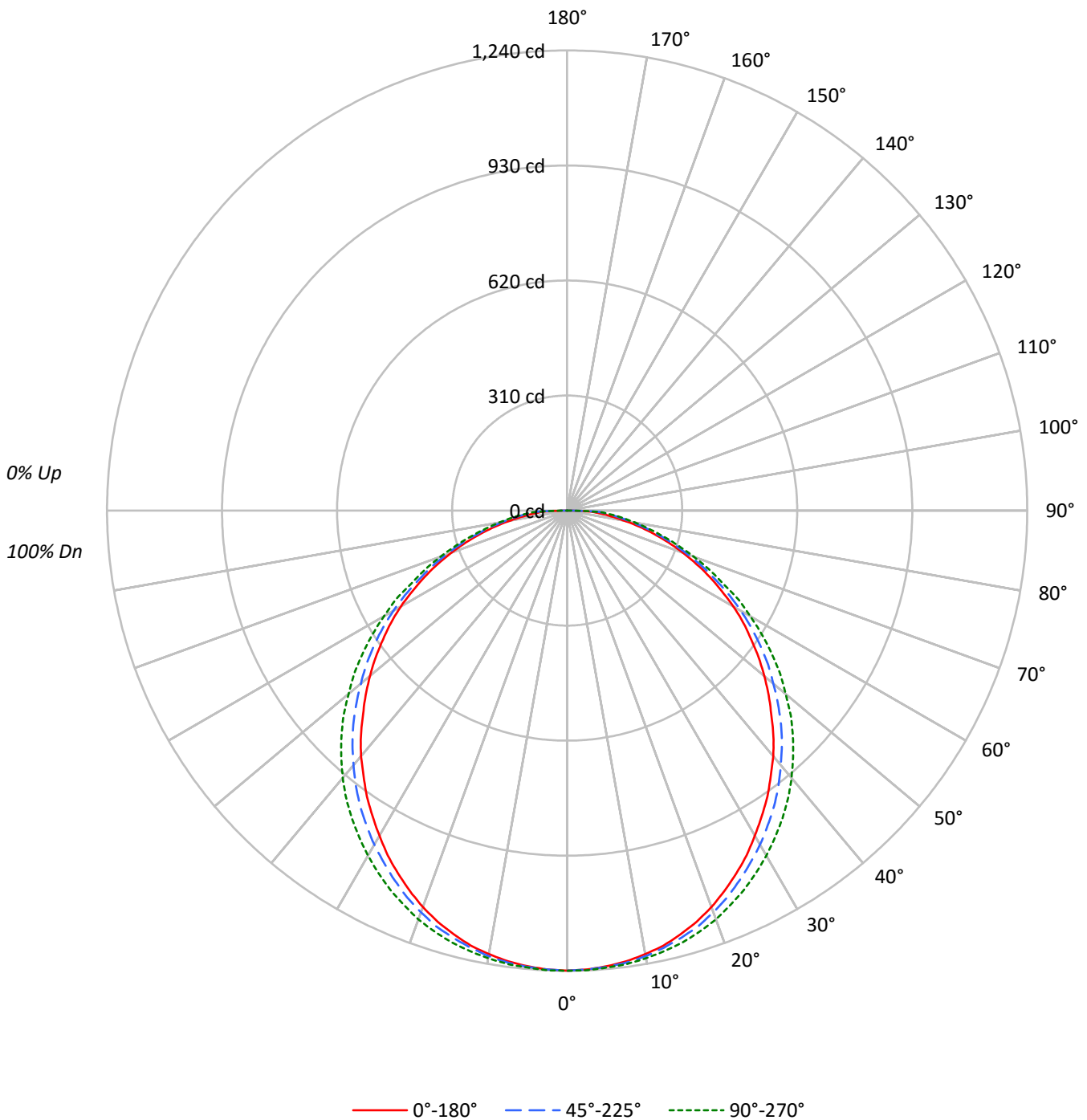
Lumens per Lamp: N/A  
Luminaire Lumens: 3595.8 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 30.2  
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	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°	1668	1668	1668
5°	1658	1654	1657
10°	1646	1640	1649
15°	1628	1621	1641
20°	1604	1598	1629
25°	1571	1568	1611
30°	1535	1537	1591
35°	1501	1504	1570
40°	1466	1465	1544
45°	1421	1425	1511
50°	1383	1374	1463
55°	1341	1324	1411
60°	1300	1261	1341
65°	1241	1181	1248
70°	1168	1095	1161
75°	1085	1002	1060
80°	973	907	974
85°	919	862	931



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	3.3
10°-20°	336.2	9.3
20°-30°	507.3	14.1
30°-40°	608.9	16.9
40°-50°	630.2	17.5
50°-60°	570.9	15.9
60°-70°	439.8	12.2
70°-80°	272.2	7.6
80°-90°	113.0	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°	960.8	26.7
0°-40°	1569.7	43.7
0°-60°	2770.7	77.1
0°-90°	3595.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1232	1232	1234	1234	1236	117
15°	1182	1184	1191	1199	1204	333
25°	1079	1083	1100	1118	1128	497
35°	941	948	972	998	1012	588
45°	778	789	815	845	860	602
55°	606	615	636	664	673	542
65°	424	428	441	460	462	420
75°	241	247	256	267	267	255
85°	88	97	112	120	118	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1239.8	1239.8	1239.8	1239.8	1239.8
2.5°	1237.9	1237.9	1237.9	1237.9	1239.8
5°	1232.3	1232.3	1234.1	1234.1	1236.0
7.5°	1224.8	1224.8	1228.5	1228.5	1232.3
10°	1213.6	1215.4	1219.2	1221.1	1224.8
12.5°	1200.5	1200.5	1206.1	1211.7	1215.4
15°	1181.8	1183.7	1191.1	1198.6	1204.2
17.5°	1161.2	1163.1	1174.3	1181.8	1189.3
20°	1136.9	1138.8	1151.9	1163.1	1172.4
22.5°	1108.9	1112.6	1127.6	1142.5	1150.0
25°	1078.9	1082.7	1099.5	1118.2	1127.6
27.5°	1047.2	1052.8	1069.6	1090.2	1101.4
30°	1011.6	1019.1	1039.7	1062.1	1073.3
32.5°	976.1	983.6	1006.0	1032.2	1043.4
35°	940.6	948.1	972.4	998.5	1011.6
37.5°	901.3	908.8	935.0	963.0	978.0
40°	863.9	871.4	895.7	927.5	940.6
42.5°	822.8	830.2	856.4	886.3	901.3
45°	777.9	789.1	815.3	845.2	860.2
47.5°	736.7	746.1	770.4	802.2	817.2
50°	693.7	703.1	725.5	757.3	768.5
52.5°	650.7	660.1	682.5	712.4	723.7
55°	605.9	615.2	635.8	663.8	673.2
57.5°	562.8	570.3	589.0	615.2	622.7
60°	518.0	525.4	540.4	564.7	570.3
62.5°	469.4	475.0	491.8	514.2	521.7
65°	424.5	428.2	441.3	460.0	461.9
67.5°	377.7	381.5	394.6	407.6	413.3
70°	331.0	336.6	345.9	359.0	362.8
72.5°	286.1	291.7	301.1	312.3	314.1
75°	241.2	246.8	256.2	267.4	267.4
77.5°	198.2	203.8	215.0	224.4	224.4
80°	155.2	164.6	175.8	185.1	185.1
82.5°	119.7	127.2	142.1	149.6	149.6
85°	87.9	97.2	112.2	119.7	117.8
87.5°	63.6	72.9	86.0	91.6	89.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)