

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: P384004

Luminaire Tested: **24ID-30-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-30-L840-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

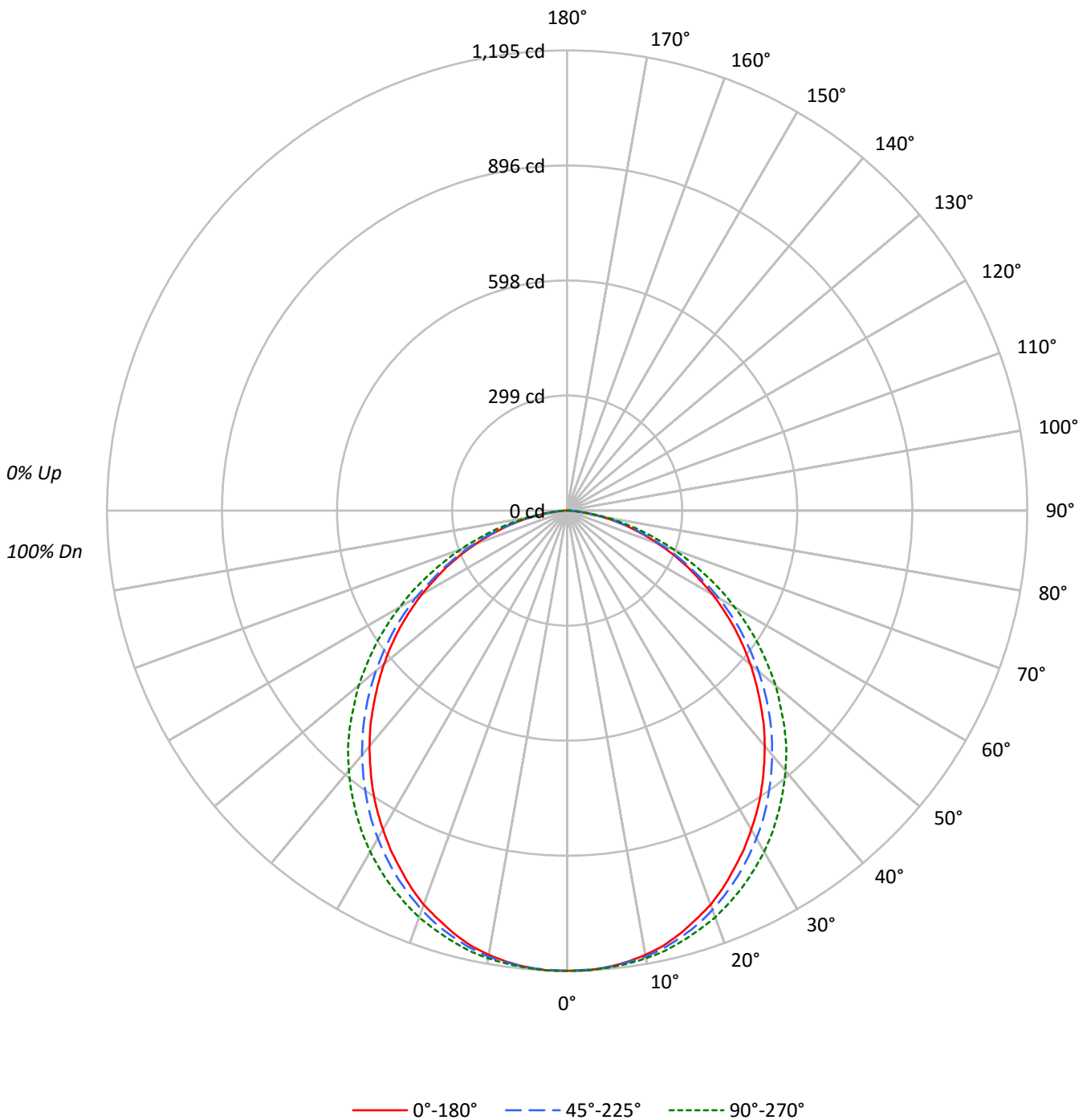
Lumens per Lamp: N/A
Luminaire Lumens: 3155.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1608	1608	1608
5°	1608	1608	1610
10°	1600	1607	1613
15°	1583	1596	1612
20°	1560	1580	1609
25°	1523	1556	1601
30°	1486	1528	1589
35°	1446	1493	1571
40°	1402	1455	1549
45°	1351	1411	1519
50°	1301	1357	1479
55°	1242	1298	1424
60°	1174	1225	1353
65°	1092	1127	1263
70°	989	1026	1157
75°	863	896	1011
80°	698	711	797
85°	415	463	391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.6
10°-20°	323.4	10.2
20°-30°	483.7	15.3
30°-40°	571.5	18.1
40°-50°	576.7	18.3
50°-60°	500.8	15.9
60°-70°	359.1	11.4
70°-80°	187.1	5.9
80°-90°	39.5	1.3
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°	920.3	29.2
0°-40°	1491.8	47.3
0°-60°	2569.3	81.4
0°-90°	3155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1190	1189	1190	1190	1192	113
15°	1137	1138	1146	1154	1157	320
25°	1026	1032	1048	1069	1078	473
35°	881	887	909	942	956	550
45°	710	718	741	779	798	548
55°	530	534	553	590	607	473
65°	343	342	354	381	397	339
75°	166	164	172	185	194	177
85°	27	30	30	27	25	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.2	1195.2	1195.2	1195.2	1195.2
2.5°	1195.2	1193.6	1193.6	1193.6	1195.2
5°	1190.4	1188.8	1190.4	1190.4	1192.0
7.5°	1182.5	1180.9	1184.1	1185.7	1187.3
10°	1171.4	1171.4	1176.2	1179.3	1180.9
12.5°	1157.2	1157.2	1163.5	1168.3	1171.4
15°	1136.7	1138.2	1146.1	1154.1	1157.2
17.5°	1112.9	1117.7	1127.2	1138.2	1141.4
20°	1089.2	1092.4	1103.5	1117.7	1124.0
22.5°	1059.2	1063.9	1076.6	1095.6	1101.9
25°	1026.0	1032.3	1048.1	1068.7	1078.2
27.5°	992.8	997.5	1016.5	1040.2	1051.3
30°	956.4	962.8	983.3	1010.2	1022.8
32.5°	920.1	924.8	948.5	977.0	991.2
35°	880.6	886.9	909.0	942.2	956.4
37.5°	839.5	847.4	869.5	904.3	920.1
40°	798.4	803.1	828.4	863.2	882.1
42.5°	755.7	762.0	785.7	823.6	842.6
45°	709.8	717.7	741.4	779.4	798.4
47.5°	665.6	673.5	695.6	733.5	750.9
50°	621.3	626.0	648.2	686.1	706.7
52.5°	575.4	580.2	600.7	637.1	656.1
55°	529.6	534.3	553.3	589.7	607.1
57.5°	482.2	485.3	504.3	537.5	554.9
60°	436.3	437.9	455.3	485.3	502.7
62.5°	387.3	388.9	401.5	436.3	452.1
65°	343.1	341.5	354.1	381.0	396.8
67.5°	297.2	297.2	308.3	332.0	344.6
70°	251.4	251.4	260.8	281.4	294.0
72.5°	208.7	208.7	216.6	232.4	241.9
75°	166.0	164.4	172.3	185.0	194.4
77.5°	126.5	126.5	129.6	140.7	147.0
80°	90.1	90.1	91.7	98.0	102.8
82.5°	56.9	56.9	56.9	60.1	61.7
85°	26.9	30.0	30.0	26.9	25.3
87.5°	12.6	12.6	11.1	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)