

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: P385349

Luminaire Tested: **24ID-30-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385349
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-30-L850-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

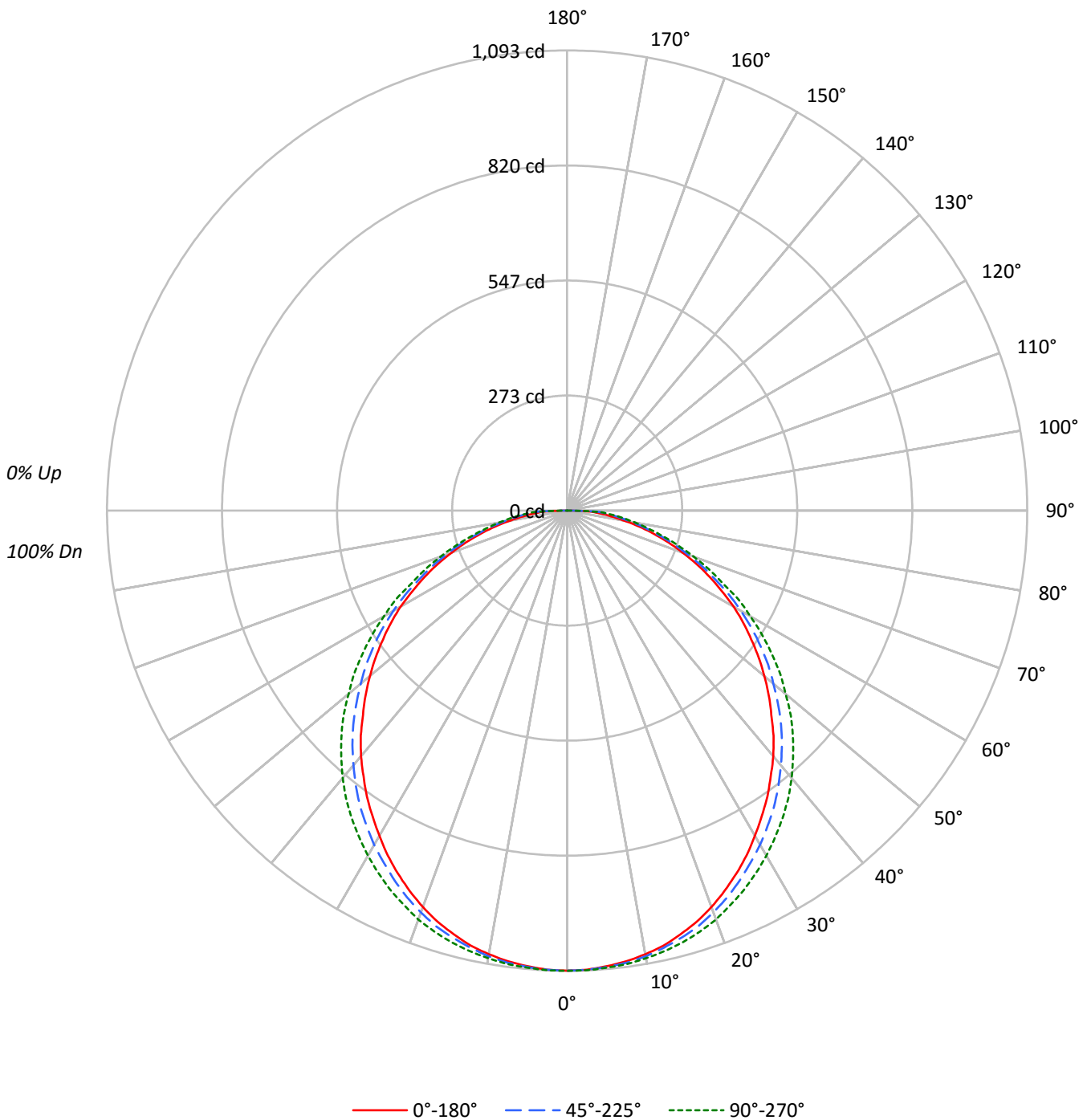
Lumens per Lamp: N/A
Luminaire Lumens: 3170.2 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	1471	1471	1471
5°	1462	1458	1461
10°	1451	1446	1454
15°	1435	1429	1447
20°	1414	1409	1437
25°	1385	1382	1421
30°	1353	1355	1403
35°	1323	1326	1384
40°	1293	1291	1361
45°	1253	1257	1332
50°	1220	1211	1290
55°	1183	1167	1244
60°	1146	1112	1182
65°	1094	1041	1100
70°	1030	965	1024
75°	957	883	935
80°	857	800	859
85°	810	759	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	3.3
10°-20°	296.4	9.3
20°-30°	447.3	14.1
30°-40°	536.8	16.9
40°-50°	555.6	17.5
50°-60°	503.3	15.9
60°-70°	387.8	12.2
70°-80°	239.9	7.6
80°-90°	99.7	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°	847.1	26.7
0°-40°	1383.9	43.7
0°-60°	2442.8	77.1
0°-90°	3170.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3170.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1086	1086	1088	1088	1090	103
15°	1042	1044	1050	1057	1062	294
25°	951	954	969	986	994	438
35°	829	836	857	880	892	518
45°	686	696	719	745	758	530
55°	534	542	560	585	594	478
65°	374	378	389	406	407	370
75°	213	218	226	236	236	225
85°	78	86	99	106	104	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1093.0	1093.0	1093.0	1093.0	1093.0
2.5°	1091.4	1091.4	1091.4	1091.4	1093.0
5°	1086.4	1086.4	1088.1	1088.1	1089.7
7.5°	1079.8	1079.8	1083.1	1083.1	1086.4
10°	1069.9	1071.6	1074.9	1076.5	1079.8
12.5°	1058.4	1058.4	1063.3	1068.3	1071.6
15°	1041.9	1043.6	1050.2	1056.8	1061.7
17.5°	1023.8	1025.4	1035.3	1041.9	1048.5
20°	1002.3	1004.0	1015.5	1025.4	1033.7
22.5°	977.6	980.9	994.1	1007.3	1013.9
25°	951.2	954.5	969.4	985.9	994.1
27.5°	923.2	928.2	943.0	961.1	971.0
30°	891.9	898.5	916.6	936.4	946.3
32.5°	860.6	867.2	886.9	910.0	919.9
35°	829.2	835.8	857.3	880.4	891.9
37.5°	794.6	801.2	824.3	849.0	862.2
40°	761.7	768.2	789.7	817.7	829.2
42.5°	725.4	732.0	755.1	781.4	794.6
45°	685.8	695.7	718.8	745.2	758.4
47.5°	649.5	657.8	679.2	707.2	720.4
50°	611.6	619.9	639.7	667.7	677.6
52.5°	573.7	582.0	601.7	628.1	638.0
55°	534.1	542.4	560.5	585.3	593.5
57.5°	496.2	502.8	519.3	542.4	549.0
60°	456.7	463.3	476.4	497.9	502.8
62.5°	413.8	418.7	433.6	453.4	460.0
65°	374.2	377.5	389.1	405.6	407.2
67.5°	333.0	336.3	347.9	359.4	364.3
70°	291.8	296.7	305.0	316.5	319.8
72.5°	252.2	257.2	265.4	275.3	277.0
75°	212.7	217.6	225.9	235.7	235.7
77.5°	174.8	179.7	189.6	197.8	197.8
80°	136.8	145.1	155.0	163.2	163.2
82.5°	105.5	112.1	125.3	131.9	131.9
85°	77.5	85.7	98.9	105.5	103.9
87.5°	56.1	64.3	75.8	80.8	79.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)