

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: P385137

Luminaire Tested: **22ID-40-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385137
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-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

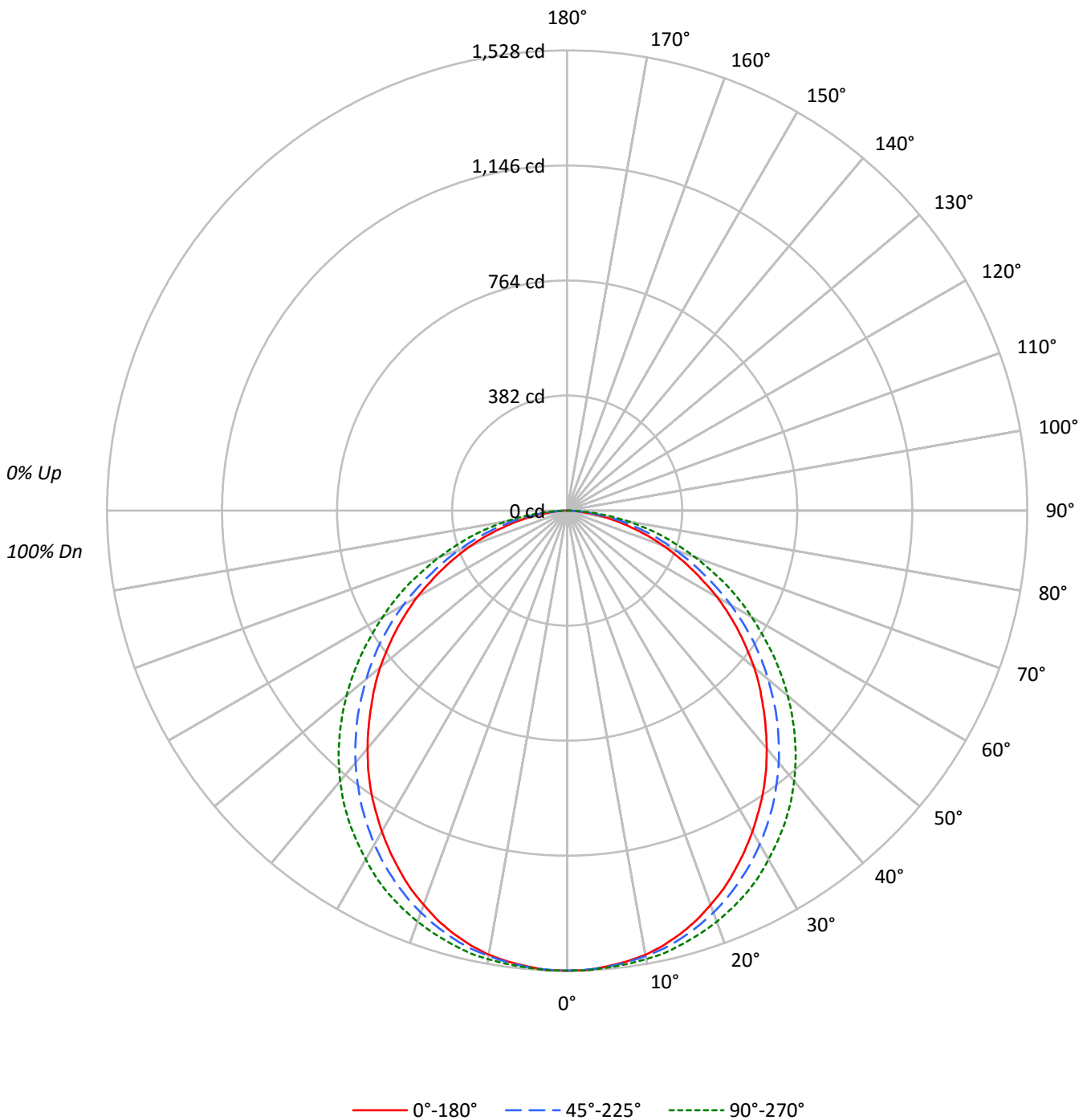
Lumens per Lamp: N/A
Luminaire Lumens: 4241.7 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (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	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°	4111	4111	4111
5°	4104	4109	4115
10°	4093	4104	4133
15°	4053	4095	4149
20°	3989	4068	4160
25°	3913	4028	4168
30°	3823	3976	4155
35°	3733	3915	4147
40°	3623	3841	4119
45°	3502	3754	4071
50°	3395	3646	4004
55°	3252	3534	3915
60°	3098	3386	3812
65°	2888	3188	3706
70°	2660	2997	3552
75°	2358	2781	3404
80°	1990	2487	3150
85°	1454	1914	2510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	3.4
10°-20°	414.9	9.8
20°-30°	625.7	14.8
30°-40°	747.0	17.6
40°-50°	763.5	18.0
50°-60°	677.0	16.0
60°-70°	504.7	11.9
70°-80°	288.3	6.8
80°-90°	76.0	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°	1185.2	27.9
0°-40°	1932.2	45.6
0°-60°	3372.7	79.5
0°-90°	4241.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4241.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1519	1519	1521	1521	1523	144
15°	1455	1459	1470	1483	1489	410
25°	1318	1329	1356	1386	1404	607
35°	1136	1151	1192	1239	1262	710
45°	920	939	986	1040	1070	711
55°	693	706	753	807	834	619
65°	454	464	501	552	582	450
75°	227	238	268	308	327	242
85°	47	49	62	77	81	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.7	1527.7	1527.7	1527.7	1527.7
2.5°	1527.7	1525.6	1525.6	1525.6	1527.7
5°	1519.2	1519.2	1521.3	1521.3	1523.4
7.5°	1510.6	1510.6	1512.7	1514.9	1519.2
10°	1497.8	1497.8	1502.0	1508.5	1512.7
12.5°	1478.5	1480.6	1489.2	1497.8	1504.2
15°	1455.0	1459.2	1469.9	1482.8	1489.2
17.5°	1427.1	1431.4	1446.4	1463.5	1472.1
20°	1392.9	1401.5	1420.7	1442.1	1452.8
22.5°	1358.7	1367.2	1390.8	1416.5	1429.3
25°	1318.0	1328.7	1356.5	1386.5	1403.6
27.5°	1275.2	1288.1	1320.2	1354.4	1373.7
30°	1230.3	1245.3	1279.5	1318.0	1337.3
32.5°	1183.2	1198.2	1236.7	1279.5	1300.9
35°	1136.2	1151.1	1191.8	1238.9	1262.4
37.5°	1084.8	1099.8	1142.6	1193.9	1219.6
40°	1031.3	1048.4	1093.4	1144.7	1172.5
42.5°	975.7	994.9	1039.9	1095.5	1123.3
45°	920.1	939.3	986.4	1039.9	1069.8
47.5°	866.6	881.5	928.6	984.2	1014.2
50°	810.9	823.8	870.8	926.5	956.4
52.5°	751.0	768.1	813.1	868.7	896.5
55°	693.2	706.1	753.2	806.6	834.5
57.5°	633.3	646.2	691.1	744.6	770.3
60°	575.6	588.4	629.1	682.5	708.2
62.5°	511.4	524.2	564.9	620.5	646.2
65°	453.6	464.3	500.7	552.0	582.0
67.5°	395.8	406.5	440.8	490.0	513.5
70°	338.1	346.6	380.9	425.8	451.5
72.5°	282.4	291.0	325.2	365.9	387.3
75°	226.8	237.5	267.5	308.1	327.4
77.5°	175.5	186.1	211.8	248.2	265.3
80°	128.4	136.9	160.5	188.3	203.3
82.5°	85.6	92.0	109.1	132.7	143.4
85°	47.1	49.2	62.0	77.0	81.3
87.5°	19.3	19.3	23.5	25.7	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)