

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: P385306

Luminaire Tested: **22ID-45-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385306
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: 22ID-45-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

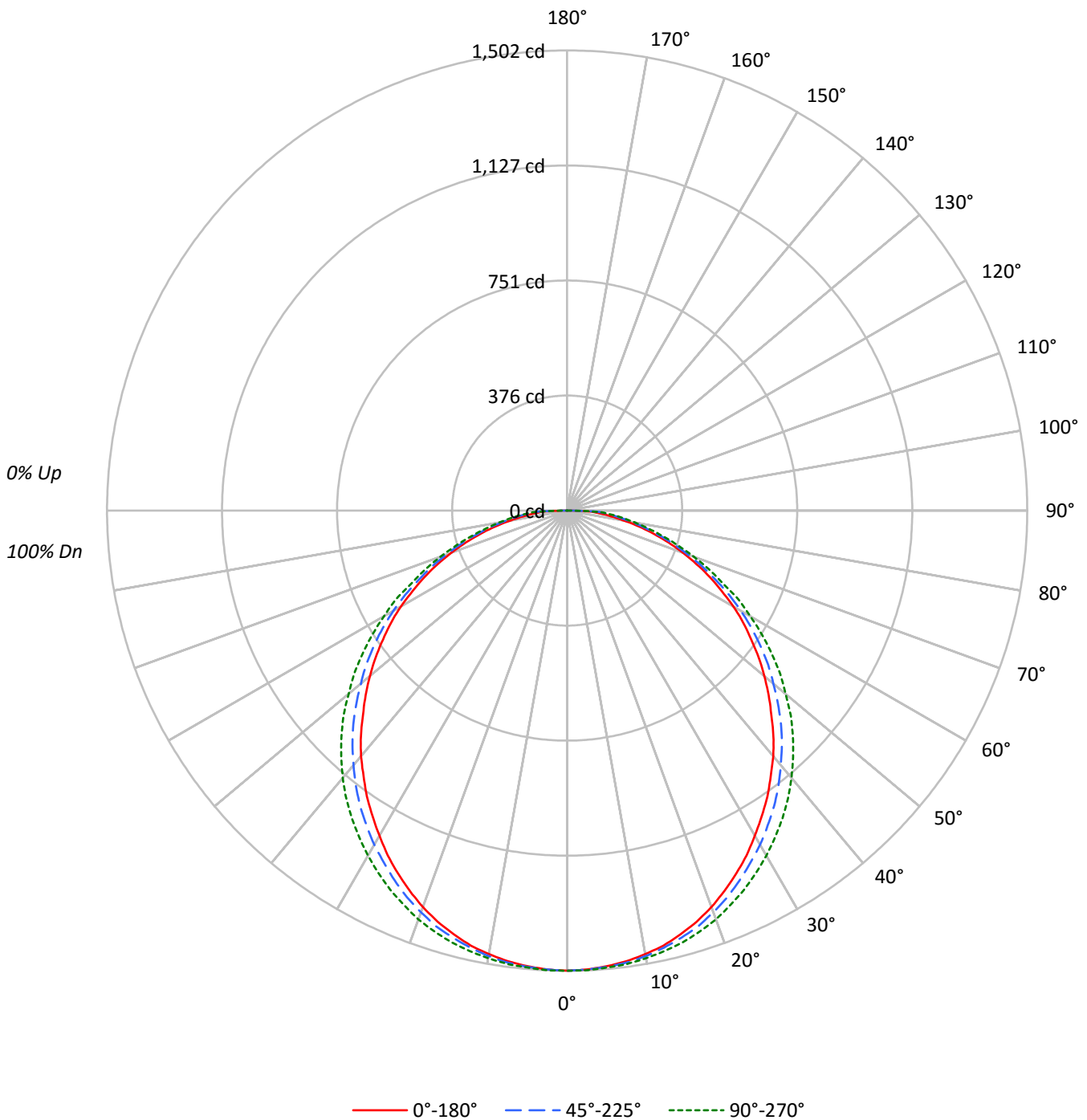
Lumens per Lamp: N/A
Luminaire Lumens: 4355.7 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 37.2
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°	4041	4041	4041
5°	4003	3997	4015
10°	3959	3953	3995
15°	3901	3897	3975
20°	3828	3831	3947
25°	3736	3749	3904
30°	3633	3664	3855
35°	3536	3574	3804
40°	3436	3468	3741
45°	3310	3362	3660
50°	3200	3226	3545
55°	3077	3092	3419
60°	2951	2926	3249
65°	2778	2717	3022
70°	2567	2490	2813
75°	2317	2241	2569
80°	1978	1978	2359
85°	1684	1788	2257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	3.3
10°-20°	407.2	9.3
20°-30°	614.5	14.1
30°-40°	737.6	16.9
40°-50°	763.3	17.5
50°-60°	691.5	15.9
60°-70°	532.8	12.2
70°-80°	329.7	7.6
80°-90°	136.9	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°	1163.8	26.7
0°-40°	1901.4	43.7
0°-60°	3356.3	77.1
0°-90°	4355.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4355.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1502	1502	1502	1502	1502	
5°	1493	1493	1495	1495	1497	142
15°	1432	1434	1443	1452	1459	404
25°	1307	1312	1332	1354	1366	602
35°	1139	1148	1178	1210	1225	712
45°	942	956	988	1024	1042	729
55°	734	745	770	804	815	657
65°	514	519	535	557	560	508
75°	292	299	310	324	324	310
85°	106	118	136	145	143	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.8	1501.8	1501.8	1501.8	1501.8
2.5°	1499.5	1499.5	1499.5	1499.5	1501.8
5°	1492.7	1492.7	1495.0	1495.0	1497.2
7.5°	1483.6	1483.6	1488.2	1488.2	1492.7
10°	1470.0	1472.3	1476.8	1479.1	1483.6
12.5°	1454.2	1454.2	1461.0	1467.8	1472.3
15°	1431.5	1433.8	1442.9	1451.9	1458.7
17.5°	1406.6	1408.9	1422.5	1431.5	1440.6
20°	1377.2	1379.4	1395.3	1408.9	1420.2
22.5°	1343.2	1347.7	1365.9	1384.0	1393.0
25°	1307.0	1311.5	1331.9	1354.5	1365.9
27.5°	1268.5	1275.2	1295.6	1320.5	1334.1
30°	1225.4	1234.5	1259.4	1286.6	1300.2
32.5°	1182.4	1191.4	1218.6	1250.3	1263.9
35°	1139.3	1148.4	1177.8	1209.6	1225.4
37.5°	1091.8	1100.8	1132.5	1166.5	1184.6
40°	1046.5	1055.5	1085.0	1123.5	1139.3
42.5°	996.6	1005.7	1037.4	1073.7	1091.8
45°	942.3	955.9	987.6	1023.8	1041.9
47.5°	892.4	903.8	933.2	971.7	989.8
50°	840.3	851.7	878.9	917.4	931.0
52.5°	788.3	799.6	826.8	863.0	876.6
55°	733.9	745.2	770.1	804.1	815.4
57.5°	681.8	690.9	713.5	745.2	754.3
60°	627.4	636.5	654.6	684.1	690.9
62.5°	568.5	575.3	595.7	622.9	632.0
65°	514.2	518.7	534.6	557.2	559.5
67.5°	457.5	462.1	477.9	493.8	500.6
70°	400.9	407.7	419.0	434.9	439.4
72.5°	346.6	353.4	364.7	378.3	380.5
75°	292.2	299.0	310.3	323.9	323.9
77.5°	240.1	246.9	260.5	271.8	271.8
80°	188.0	199.3	212.9	224.2	224.2
82.5°	145.0	154.0	172.1	181.2	181.2
85°	106.5	117.8	135.9	145.0	142.7
87.5°	77.0	88.3	104.2	111.0	108.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)