

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: P385134

Luminaire Tested: **22ID-40-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385134
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-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

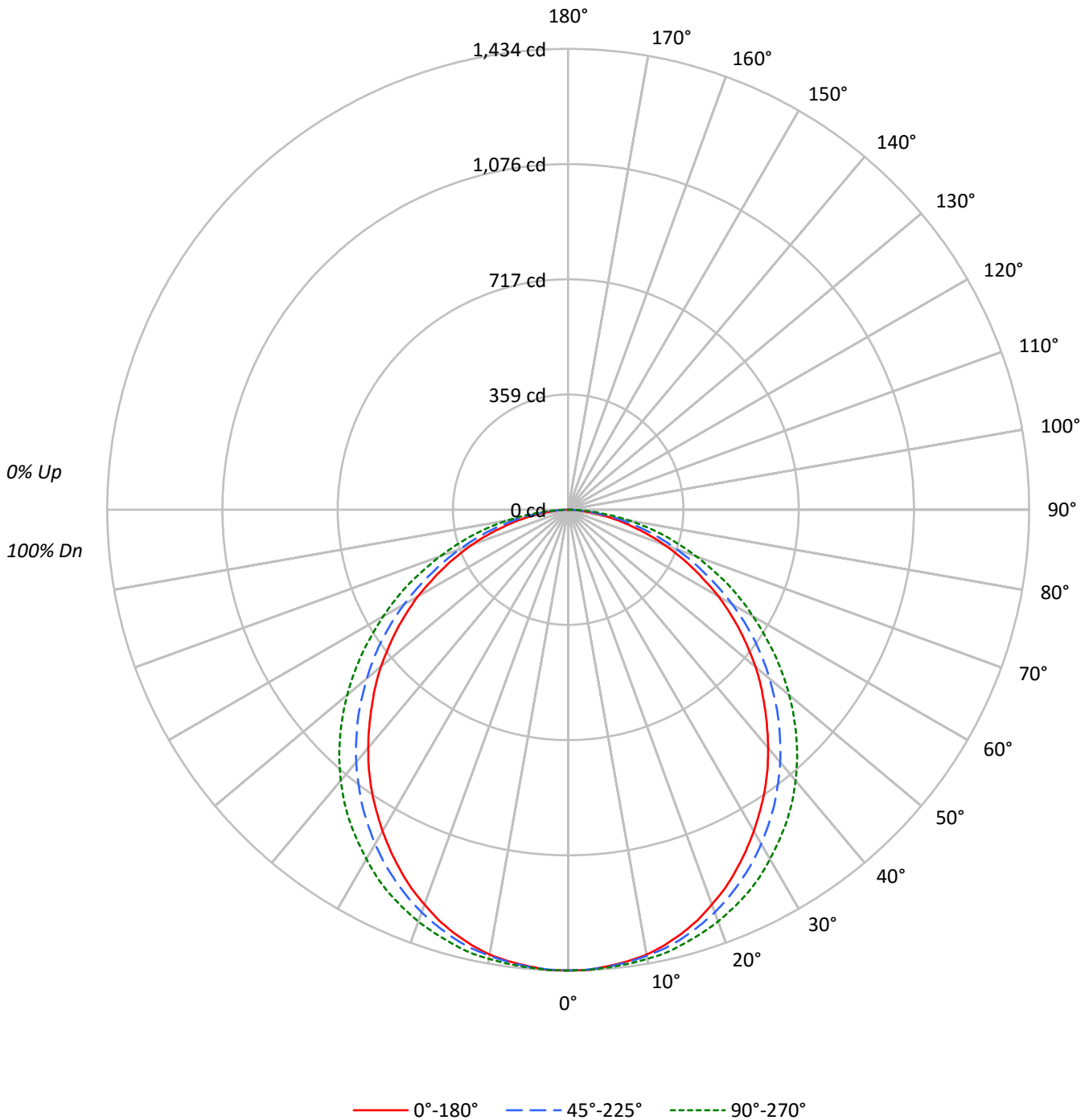
Lumens per Lamp: N/A
Luminaire Lumens: 3980.9 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.5
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°	3858	3858	3858
5°	3851	3857	3862
10°	3841	3852	3879
15°	3804	3843	3894
20°	3744	3818	3905
25°	3673	3780	3911
30°	3588	3731	3900
35°	3503	3674	3892
40°	3400	3605	3866
45°	3286	3523	3821
50°	3186	3422	3758
55°	3052	3316	3674
60°	2907	3178	3577
65°	2711	2992	3478
70°	2496	2812	3334
75°	2214	2610	3194
80°	1867	2334	2957
85°	1365	1797	2356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	3.4
10°-20°	389.4	9.8
20°-30°	587.2	14.8
30°-40°	701.1	17.6
40°-50°	716.5	18.0
50°-60°	635.4	16.0
60°-70°	473.6	11.9
70°-80°	270.6	6.8
80°-90°	71.4	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°	1112.3	27.9
0°-40°	1813.4	45.6
0°-60°	3165.3	79.5
0°-90°	3980.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3980.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1434	1434	1434	1434	1434	
5°	1426	1426	1428	1428	1430	136
15°	1366	1370	1380	1392	1398	385
25°	1237	1247	1273	1301	1317	570
35°	1066	1080	1118	1163	1185	666
45°	864	882	926	976	1004	667
55°	651	663	707	757	783	581
65°	426	436	470	518	546	422
75°	213	223	251	289	307	227
85°	44	46	58	72	76	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1433.8	1433.8	1433.8	1433.8	1433.8
2.5°	1433.8	1431.8	1431.8	1431.8	1433.8
5°	1425.7	1425.7	1427.8	1427.8	1429.8
7.5°	1417.7	1417.7	1419.7	1421.7	1425.7
10°	1405.7	1405.7	1409.7	1415.7	1419.7
12.5°	1387.6	1389.6	1397.6	1405.7	1411.7
15°	1365.5	1369.5	1379.6	1391.6	1397.6
17.5°	1339.4	1343.4	1357.5	1373.5	1381.6
20°	1307.3	1315.3	1333.4	1353.5	1363.5
22.5°	1275.1	1283.2	1305.3	1329.4	1341.4
25°	1237.0	1247.0	1273.1	1301.2	1317.3
27.5°	1196.8	1208.9	1239.0	1271.1	1289.2
30°	1154.7	1168.7	1200.8	1237.0	1255.1
32.5°	1110.5	1124.5	1160.7	1200.8	1220.9
35°	1066.3	1080.4	1118.5	1162.7	1184.8
37.5°	1018.1	1032.2	1072.3	1120.5	1144.6
40°	967.9	984.0	1026.1	1074.3	1100.4
42.5°	915.7	933.8	975.9	1028.1	1054.3
45°	863.5	881.6	925.7	975.9	1004.0
47.5°	813.3	827.3	871.5	923.7	951.8
50°	761.1	773.1	817.3	869.5	897.6
52.5°	704.8	720.9	763.1	815.3	841.4
55°	650.6	662.7	706.9	757.1	783.2
57.5°	594.4	606.4	648.6	698.8	722.9
60°	540.2	552.2	590.4	640.6	664.7
62.5°	479.9	492.0	530.1	582.3	606.4
65°	425.7	435.8	469.9	518.1	546.2
67.5°	371.5	381.5	413.7	459.9	481.9
70°	317.3	325.3	357.4	399.6	423.7
72.5°	265.1	273.1	305.2	343.4	363.5
75°	212.9	222.9	251.0	289.2	307.2
77.5°	164.7	174.7	198.8	232.9	249.0
80°	120.5	128.5	150.6	176.7	190.8
82.5°	80.3	86.3	102.4	124.5	134.5
85°	44.2	46.2	58.2	72.3	76.3
87.5°	18.1	18.1	22.1	24.1	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)