

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: P385139

Luminaire Tested: **22ID-45-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385139
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-45-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

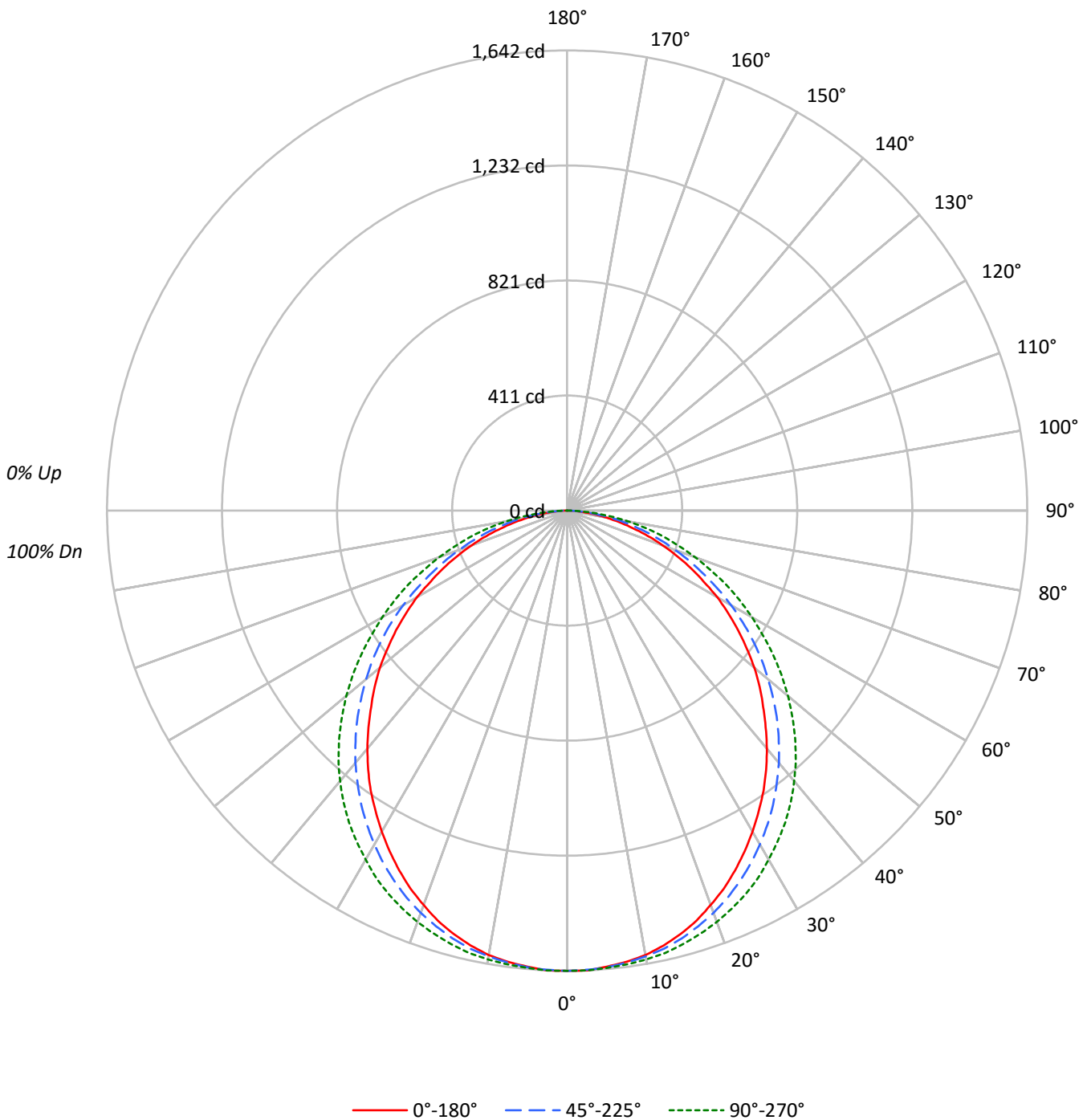
Lumens per Lamp: N/A
Luminaire Lumens: 4560.5 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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°	4420	4420	4420
5°	4412	4418	4424
10°	4400	4413	4444
15°	4358	4403	4461
20°	4289	4374	4473
25°	4208	4331	4481
30°	4110	4275	4468
35°	4013	4209	4459
40°	3895	4129	4429
45°	3765	4036	4377
50°	3650	3920	4305
55°	3497	3799	4209
60°	3330	3640	4098
65°	3105	3428	3984
70°	2860	3222	3819
75°	2535	2990	3660
80°	2139	2673	3386
85°	1562	2059	2699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	3.4
10°-20°	446.0	9.8
20°-30°	672.7	14.8
30°-40°	803.2	17.6
40°-50°	820.8	18.0
50°-60°	727.9	16.0
60°-70°	542.6	11.9
70°-80°	310.0	6.8
80°-90°	81.7	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°	1274.3	27.9
0°-40°	2077.4	45.6
0°-60°	3626.2	79.5
0°-90°	4560.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4560.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1633	1633	1636	1636	1638	155
15°	1564	1569	1580	1594	1601	441
25°	1417	1429	1458	1491	1509	652
35°	1222	1238	1281	1332	1357	763
45°	989	1010	1060	1118	1150	764
55°	745	759	810	867	897	666
65°	488	499	538	594	626	483
75°	244	255	288	331	352	260
85°	51	53	67	83	87	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1642.5	1642.5	1642.5	1642.5	1642.5
2.5°	1642.5	1640.2	1640.2	1640.2	1642.5
5°	1633.3	1633.3	1635.6	1635.6	1637.9
7.5°	1624.1	1624.1	1626.4	1628.7	1633.3
10°	1610.3	1610.3	1614.9	1621.8	1626.4
12.5°	1589.6	1591.9	1601.1	1610.3	1617.2
15°	1564.3	1568.9	1580.4	1594.2	1601.1
17.5°	1534.4	1539.0	1555.1	1573.5	1582.7
20°	1497.6	1506.8	1527.5	1550.5	1562.0
22.5°	1460.8	1470.0	1495.3	1522.9	1536.7
25°	1417.1	1428.6	1458.5	1490.7	1509.1
27.5°	1371.1	1384.9	1419.4	1456.2	1476.9
30°	1322.8	1338.9	1375.7	1417.1	1437.8
32.5°	1272.2	1288.3	1329.7	1375.7	1398.7
35°	1221.5	1237.7	1281.4	1332.0	1357.3
37.5°	1166.3	1182.4	1228.4	1283.7	1311.3
40°	1108.8	1127.2	1175.5	1230.7	1260.7
42.5°	1049.0	1069.7	1118.0	1177.8	1207.7
45°	989.2	1009.9	1060.5	1118.0	1150.2
47.5°	931.7	947.8	998.4	1058.2	1090.4
50°	871.9	885.7	936.3	996.1	1028.3
52.5°	807.5	825.9	874.2	934.0	963.9
55°	745.4	759.2	809.8	867.3	897.2
57.5°	680.9	694.7	743.1	800.6	828.2
60°	618.8	632.6	676.3	733.8	761.5
62.5°	549.8	563.6	607.3	667.1	694.7
65°	487.7	499.2	538.3	593.5	625.7
67.5°	425.6	437.1	473.9	526.8	552.1
70°	363.5	372.7	409.5	457.8	485.4
72.5°	303.7	312.9	349.7	393.4	416.4
75°	243.8	255.4	287.6	331.3	352.0
77.5°	188.6	200.1	227.7	266.9	285.3
80°	138.0	147.2	172.5	202.4	218.5
82.5°	92.0	98.9	117.3	142.6	154.1
85°	50.6	52.9	66.7	82.8	87.4
87.5°	20.7	20.7	25.3	27.6	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)