

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: P385286

Luminaire Tested: **22ID-20-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385286
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-20-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

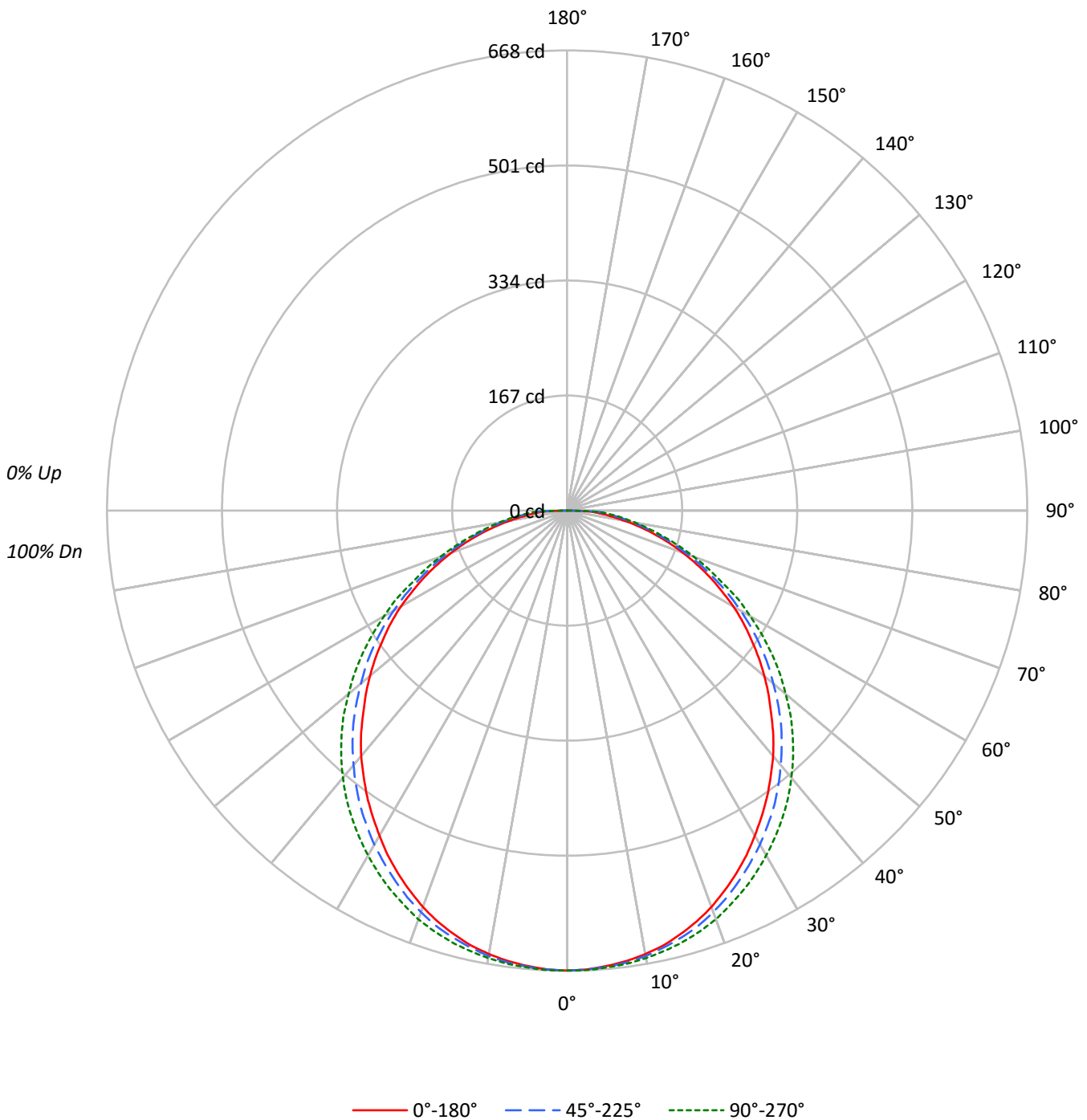
Lumens per Lamp: N/A
Luminaire Lumens: 1936.5 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.3
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°	1797	1797	1797
5°	1780	1777	1785
10°	1760	1758	1776
15°	1734	1732	1767
20°	1702	1703	1755
25°	1661	1666	1735
30°	1615	1629	1714
35°	1572	1589	1691
40°	1528	1542	1663
45°	1472	1495	1627
50°	1423	1434	1576
55°	1368	1375	1520
60°	1312	1301	1444
65°	1235	1208	1343
70°	1141	1107	1251
75°	1030	997	1142
80°	880	880	1049
85°	748	795	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	3.3
10°-20°	181.0	9.3
20°-30°	273.2	14.1
30°-40°	327.9	16.9
40°-50°	339.4	17.5
50°-60°	307.4	15.9
60°-70°	236.9	12.2
70°-80°	146.6	7.6
80°-90°	60.9	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°	517.4	26.7
0°-40°	845.3	43.7
0°-60°	1492.2	77.1
0°-90°	1936.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	668	668	668	668	668	
5°	664	664	665	665	666	63
15°	636	638	642	646	648	179
25°	581	583	592	602	607	268
35°	506	511	524	538	545	317
45°	419	425	439	455	463	324
55°	326	331	342	358	362	292
65°	229	231	238	248	249	226
75°	130	133	138	144	144	138
85°	47	52	60	64	63	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	667.7	667.7	667.7	667.7	667.7
2.5°	666.7	666.7	666.7	666.7	667.7
5°	663.6	663.6	664.6	664.6	665.7
7.5°	659.6	659.6	661.6	661.6	663.6
10°	653.6	654.6	656.6	657.6	659.6
12.5°	646.5	646.5	649.5	652.6	654.6
15°	636.4	637.5	641.5	645.5	648.5
17.5°	625.4	626.4	632.4	636.4	640.5
20°	612.3	613.3	620.3	626.4	631.4
22.5°	597.2	599.2	607.2	615.3	619.3
25°	581.1	583.1	592.1	602.2	607.2
27.5°	563.9	567.0	576.0	587.1	593.1
30°	544.8	548.8	559.9	572.0	578.0
32.5°	525.7	529.7	541.8	555.9	561.9
35°	506.5	510.6	523.7	537.8	544.8
37.5°	485.4	489.4	503.5	518.6	526.7
40°	465.3	469.3	482.4	499.5	506.5
42.5°	443.1	447.1	461.2	477.3	485.4
45°	418.9	425.0	439.1	455.2	463.2
47.5°	396.8	401.8	414.9	432.0	440.1
50°	373.6	378.6	390.7	407.9	413.9
52.5°	350.4	355.5	367.6	383.7	389.7
55°	326.3	331.3	342.4	357.5	362.5
57.5°	303.1	307.1	317.2	331.3	335.3
60°	278.9	283.0	291.0	304.1	307.1
62.5°	252.8	255.8	264.9	276.9	281.0
65°	228.6	230.6	237.7	247.7	248.7
67.5°	203.4	205.4	212.5	219.5	222.6
70°	178.2	181.3	186.3	193.4	195.4
72.5°	154.1	157.1	162.1	168.2	169.2
75°	129.9	132.9	138.0	144.0	144.0
77.5°	106.7	109.8	115.8	120.8	120.8
80°	83.6	88.6	94.7	99.7	99.7
82.5°	64.5	68.5	76.5	80.6	80.6
85°	47.3	52.4	60.4	64.5	63.4
87.5°	34.2	39.3	46.3	49.3	48.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)