

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: P383958

Luminaire Tested: **22ID-40-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-40-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

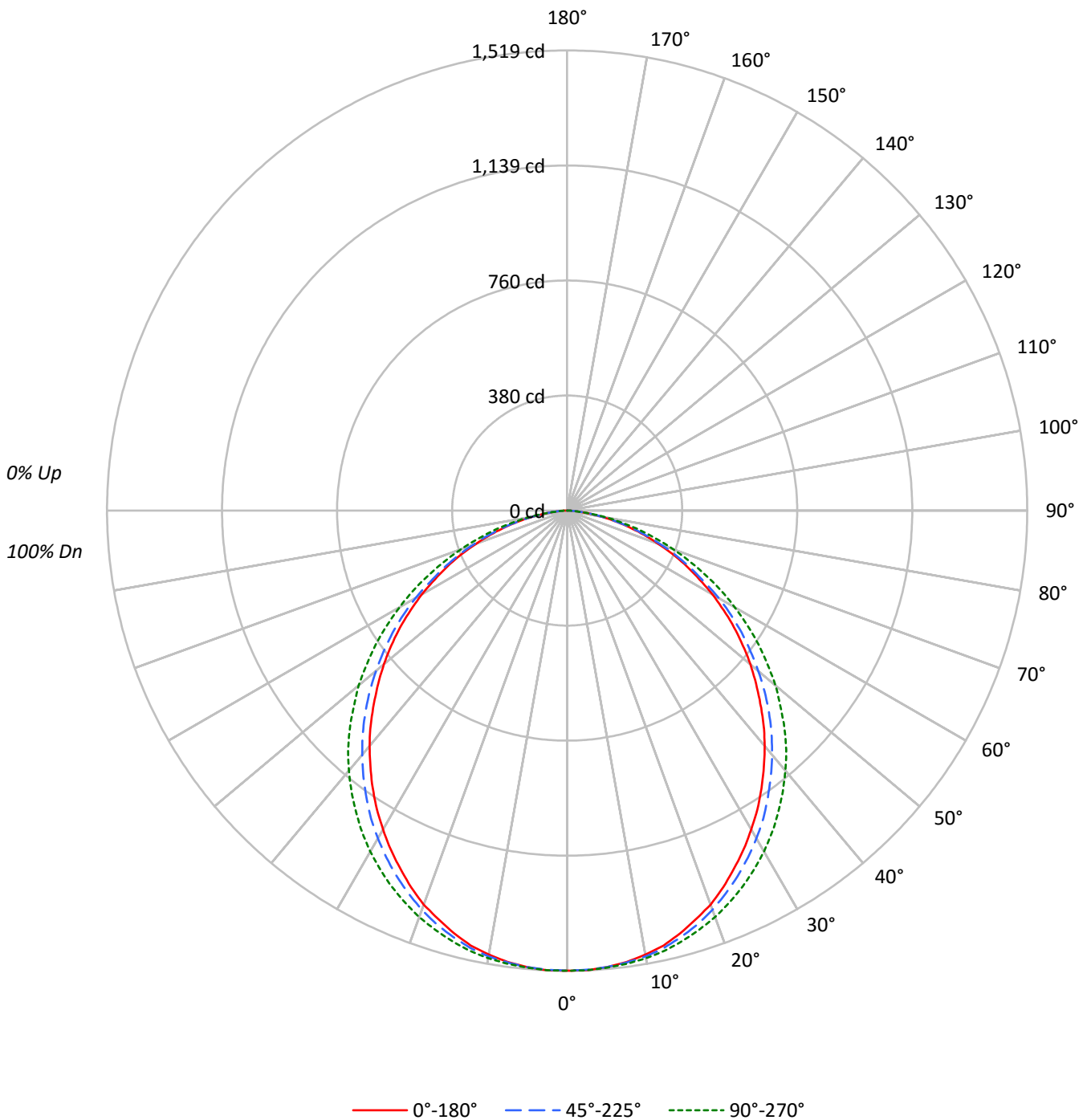
Lumens per Lamp: N/A
Luminaire Lumens: 4009.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4087	4087	4087
5°	4086	4086	4091
10°	4067	4084	4100
15°	4024	4057	4097
20°	3964	4015	4090
25°	3871	3954	4068
30°	3776	3883	4039
35°	3676	3795	3992
40°	3564	3698	3938
45°	3433	3585	3861
50°	3305	3448	3759
55°	3157	3299	3619
60°	2984	3113	3438
65°	2776	2865	3210
70°	2513	2608	2939
75°	2193	2277	2569
80°	1774	1805	2024
85°	1053	1179	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	3.6
10°-20°	410.9	10.2
20°-30°	614.7	15.3
30°-40°	726.2	18.1
40°-50°	732.8	18.3
50°-60°	636.4	15.9
60°-70°	456.3	11.4
70°-80°	237.7	5.9
80°-90°	50.2	1.3
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°	1169.4	29.2
0°-40°	1895.6	47.3
0°-60°	3264.8	81.4
0°-90°	4009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1519	1519	1519	1519	1519	
5°	1513	1511	1513	1513	1515	144
15°	1444	1446	1456	1466	1470	407
25°	1304	1312	1332	1358	1370	601
35°	1119	1127	1155	1197	1215	699
45°	902	912	942	990	1014	697
55°	673	679	703	749	771	601
65°	436	434	450	484	504	431
75°	211	209	219	235	247	225
85°	34	38	38	34	32	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1518.7	1518.7	1518.7	1518.7	1518.7
2.5°	1518.7	1516.7	1516.7	1516.7	1518.7
5°	1512.6	1510.6	1512.6	1512.6	1514.6
7.5°	1502.6	1500.6	1504.6	1506.6	1508.6
10°	1488.5	1488.5	1494.6	1498.6	1500.6
12.5°	1470.5	1470.5	1478.5	1484.5	1488.5
15°	1444.3	1446.3	1456.4	1466.4	1470.5
17.5°	1414.2	1420.2	1432.3	1446.3	1450.4
20°	1384.1	1388.1	1402.2	1420.2	1428.3
22.5°	1345.9	1351.9	1368.0	1392.1	1400.1
25°	1303.7	1311.8	1331.8	1358.0	1370.0
27.5°	1261.5	1267.6	1291.7	1321.8	1335.9
30°	1215.3	1223.4	1249.5	1283.6	1299.7
32.5°	1169.1	1175.2	1205.3	1241.4	1259.5
35°	1118.9	1126.9	1155.1	1197.3	1215.3
37.5°	1066.7	1076.7	1104.8	1149.0	1169.1
40°	1014.5	1020.5	1052.6	1096.8	1120.9
42.5°	960.2	968.2	998.4	1046.6	1070.7
45°	902.0	912.0	942.1	990.3	1014.5
47.5°	845.7	855.8	883.9	932.1	954.2
50°	789.5	795.5	823.6	871.8	897.9
52.5°	731.2	737.2	763.3	809.6	833.7
55°	673.0	679.0	703.1	749.3	771.4
57.5°	612.7	616.7	640.8	683.0	705.1
60°	554.4	556.4	578.5	616.7	638.8
62.5°	492.2	494.2	510.2	554.4	574.5
65°	435.9	433.9	450.0	484.1	504.2
67.5°	377.7	377.7	391.7	421.9	437.9
70°	319.4	319.4	331.5	357.6	373.6
72.5°	265.2	265.2	275.2	295.3	307.3
75°	210.9	208.9	219.0	235.0	247.1
77.5°	160.7	160.7	164.7	178.8	186.8
80°	114.5	114.5	116.5	124.5	130.6
82.5°	72.3	72.3	72.3	76.3	78.3
85°	34.1	38.2	38.2	34.1	32.1
87.5°	16.1	16.1	14.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)