

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: P385182

Luminaire Tested: **24ID-35-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385182
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: 24ID-35-L830-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

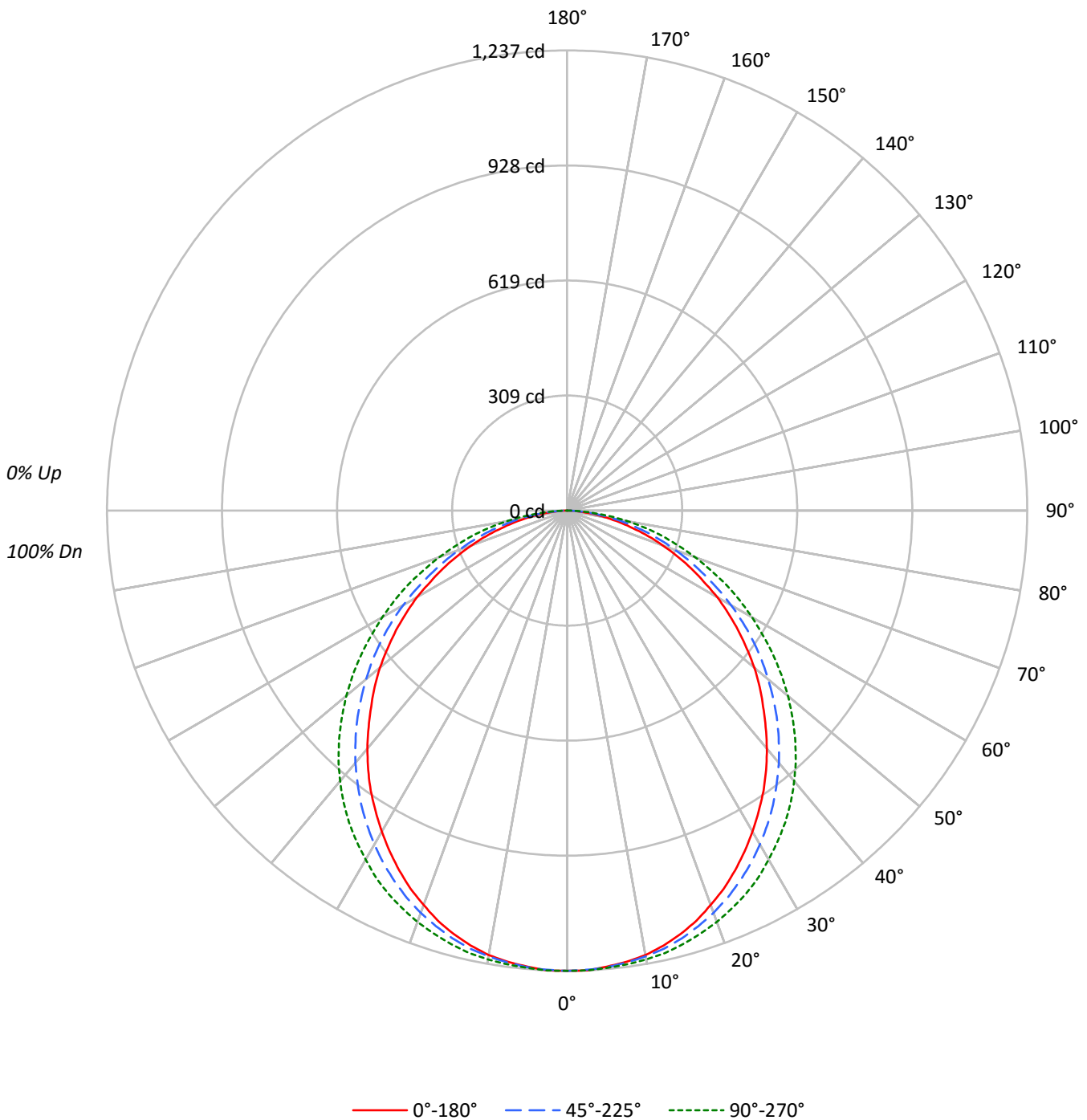
Lumens per Lamp: N/A
Luminaire Lumens: 3435.5 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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°	1665	1665	1665
5°	1662	1664	1667
10°	1657	1662	1674
15°	1641	1658	1680
20°	1615	1648	1685
25°	1585	1631	1688
30°	1548	1610	1683
35°	1511	1586	1679
40°	1467	1555	1668
45°	1418	1520	1649
50°	1375	1476	1621
55°	1317	1431	1586
60°	1255	1371	1544
65°	1170	1291	1501
70°	1077	1214	1439
75°	955	1126	1378
80°	806	1007	1275
85°	588	777	1017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	3.4
10°-20°	336.0	9.8
20°-30°	506.8	14.8
30°-40°	605.0	17.6
40°-50°	618.4	18.0
50°-60°	548.3	16.0
60°-70°	408.8	11.9
70°-80°	233.5	6.8
80°-90°	61.6	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°	959.9	27.9
0°-40°	1565.0	45.6
0°-60°	2731.7	79.5
0°-90°	3435.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3435.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1230	1230	1232	1232	1234	117
15°	1178	1182	1191	1201	1206	332
25°	1068	1076	1099	1123	1137	492
35°	920	932	965	1003	1022	575
45°	745	761	799	842	866	576
55°	562	572	610	653	676	502
65°	367	376	406	447	471	364
75°	184	192	217	250	265	196
85°	38	40	50	62	66	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1237.3	1237.3	1237.3	1237.3	1237.3
2.5°	1237.3	1235.6	1235.6	1235.6	1237.3
5°	1230.4	1230.4	1232.1	1232.1	1233.9
7.5°	1223.5	1223.5	1225.2	1226.9	1230.4
10°	1213.1	1213.1	1216.6	1221.8	1225.2
12.5°	1197.5	1199.2	1206.2	1213.1	1218.3
15°	1178.4	1181.9	1190.6	1201.0	1206.2
17.5°	1155.9	1159.4	1171.5	1185.4	1192.3
20°	1128.2	1135.1	1150.7	1168.0	1176.7
22.5°	1100.4	1107.4	1126.4	1147.2	1157.6
25°	1067.5	1076.2	1098.7	1123.0	1136.8
27.5°	1032.9	1043.3	1069.2	1097.0	1112.6
30°	996.5	1008.6	1036.3	1067.5	1083.1
32.5°	958.3	970.5	1001.7	1036.3	1053.7
35°	920.2	932.3	965.3	1003.4	1022.5
37.5°	878.6	890.8	925.4	967.0	987.8
40°	835.3	849.2	885.6	927.1	949.7
42.5°	790.2	805.8	842.2	887.3	909.8
45°	745.2	760.8	798.9	842.2	866.5
47.5°	701.9	714.0	752.1	797.2	821.4
50°	656.8	667.2	705.3	750.4	774.6
52.5°	608.3	622.1	658.5	703.6	726.1
55°	561.5	571.9	610.0	653.3	675.9
57.5°	513.0	523.4	559.8	603.1	623.9
60°	466.2	476.6	509.5	552.8	573.6
62.5°	414.2	424.6	457.5	502.6	523.4
65°	367.4	376.1	405.5	447.1	471.4
67.5°	320.6	329.3	357.0	396.9	415.9
70°	273.8	280.7	308.5	344.9	365.7
72.5°	228.8	235.7	263.4	296.3	313.7
75°	183.7	192.4	216.6	249.5	265.1
77.5°	142.1	150.8	171.6	201.0	214.9
80°	104.0	110.9	130.0	152.5	164.6
82.5°	69.3	74.5	88.4	107.4	116.1
85°	38.1	39.9	50.3	62.4	65.9
87.5°	15.6	15.6	19.1	20.8	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)