

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: P385178

Luminaire Tested: **24ID-30-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385178
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-30-L830-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

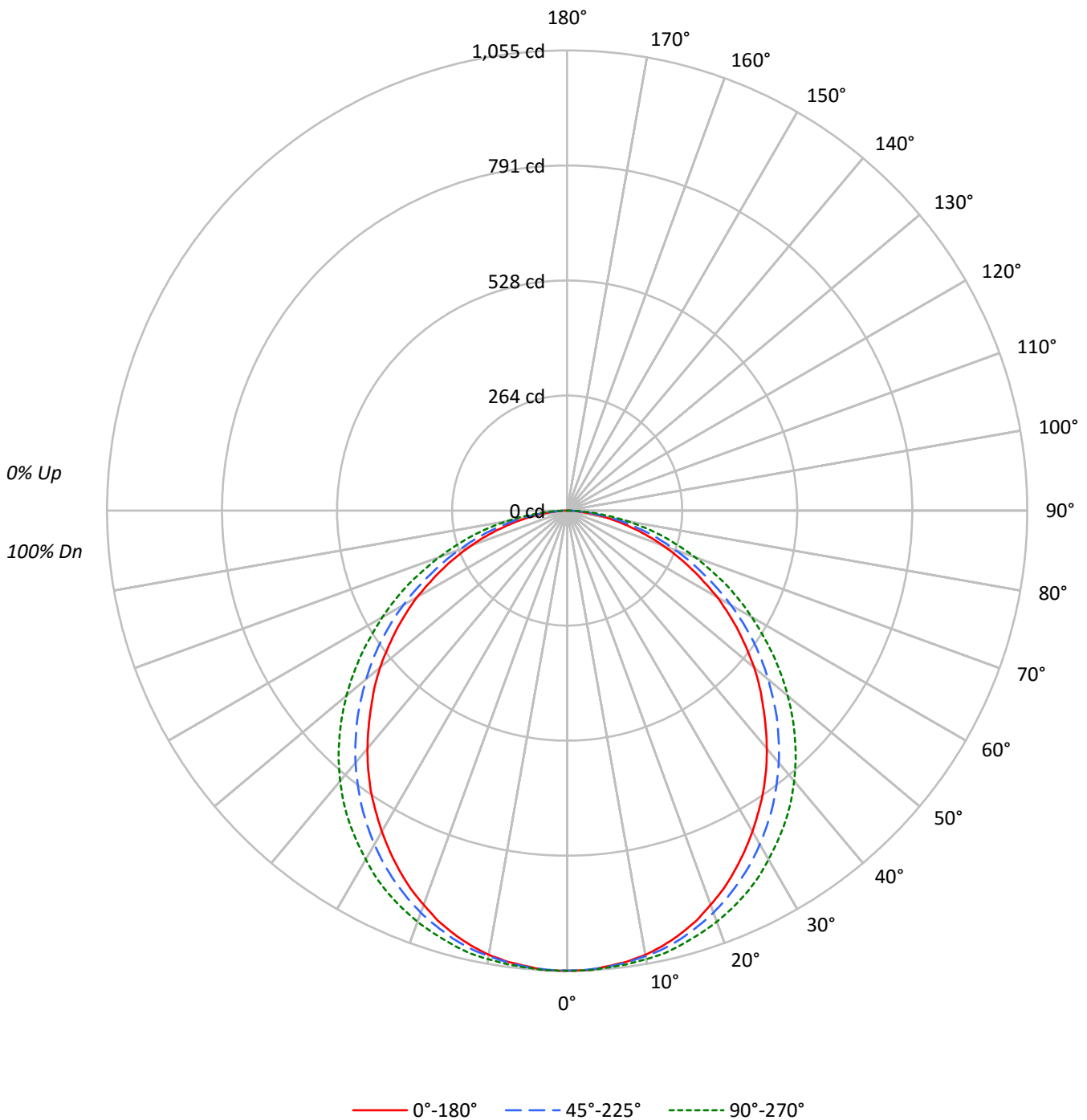
Lumens per Lamp: N/A
Luminaire Lumens: 2929.1 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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°	1419	1419	1419
5°	1417	1419	1421
10°	1413	1417	1427
15°	1399	1414	1433
20°	1377	1405	1436
25°	1351	1391	1439
30°	1320	1373	1435
35°	1289	1352	1432
40°	1251	1326	1422
45°	1209	1296	1406
50°	1172	1259	1383
55°	1123	1220	1352
60°	1070	1169	1316
65°	997	1101	1280
70°	919	1035	1227
75°	814	960	1175
80°	687	859	1088
85°	502	661	866



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	3.4
10°-20°	286.5	9.8
20°-30°	432.1	14.8
30°-40°	515.9	17.6
40°-50°	527.2	18.0
50°-60°	467.5	16.0
60°-70°	348.5	11.9
70°-80°	199.1	6.8
80°-90°	52.5	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°	818.4	27.9
0°-40°	1334.3	45.6
0°-60°	2329.0	79.5
0°-90°	2929.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2929.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1055	1055	1055	1055	1055	
5°	1049	1049	1050	1050	1052	100
15°	1005	1008	1015	1024	1028	283
25°	910	918	937	957	969	419
35°	785	795	823	856	872	490
45°	635	649	681	718	739	491
55°	479	488	520	557	576	428
65°	313	321	346	381	402	310
75°	157	164	185	213	226	167
85°	32	34	43	53	56	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1055.0	1055.0	1055.0	1055.0	1055.0
2.5°	1055.0	1053.5	1053.5	1053.5	1055.0
5°	1049.0	1049.0	1050.5	1050.5	1052.0
7.5°	1043.1	1043.1	1044.6	1046.1	1049.0
10°	1034.3	1034.3	1037.2	1041.7	1044.6
12.5°	1021.0	1022.5	1028.4	1034.3	1038.7
15°	1004.7	1007.7	1015.1	1023.9	1028.4
17.5°	985.5	988.5	998.8	1010.6	1016.5
20°	961.9	967.8	981.1	995.9	1003.2
22.5°	938.2	944.1	960.4	978.1	987.0
25°	910.2	917.5	936.8	957.4	969.3
27.5°	880.6	889.5	911.6	935.3	948.6
30°	849.6	859.9	883.6	910.2	923.5
32.5°	817.1	827.4	854.0	883.6	898.3
35°	784.6	794.9	823.0	855.5	871.7
37.5°	749.1	759.5	789.0	824.5	842.2
40°	712.2	724.0	755.0	790.5	809.7
42.5°	673.8	687.1	718.1	756.5	775.7
45°	635.3	648.6	681.1	718.1	738.8
47.5°	598.4	608.7	641.2	679.7	700.4
50°	560.0	568.9	601.4	639.8	660.5
52.5°	518.6	530.4	561.5	599.9	619.1
55°	478.7	487.6	520.1	557.0	576.2
57.5°	437.4	446.2	477.2	514.2	531.9
60°	397.5	406.3	434.4	471.3	489.1
62.5°	353.1	362.0	390.1	428.5	446.2
65°	313.2	320.6	345.7	381.2	401.9
67.5°	273.3	280.7	304.4	338.4	354.6
70°	233.5	239.4	263.0	294.0	311.8
72.5°	195.0	200.9	224.6	252.7	267.4
75°	156.6	164.0	184.7	212.8	226.1
77.5°	121.2	128.5	146.3	171.4	183.2
80°	88.7	94.6	110.8	130.0	140.4
82.5°	59.1	63.5	75.4	91.6	99.0
85°	32.5	34.0	42.8	53.2	56.1
87.5°	13.3	13.3	16.3	17.7	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)