

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: P385127

Luminaire Tested: **22ID-30-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385127
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-30-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

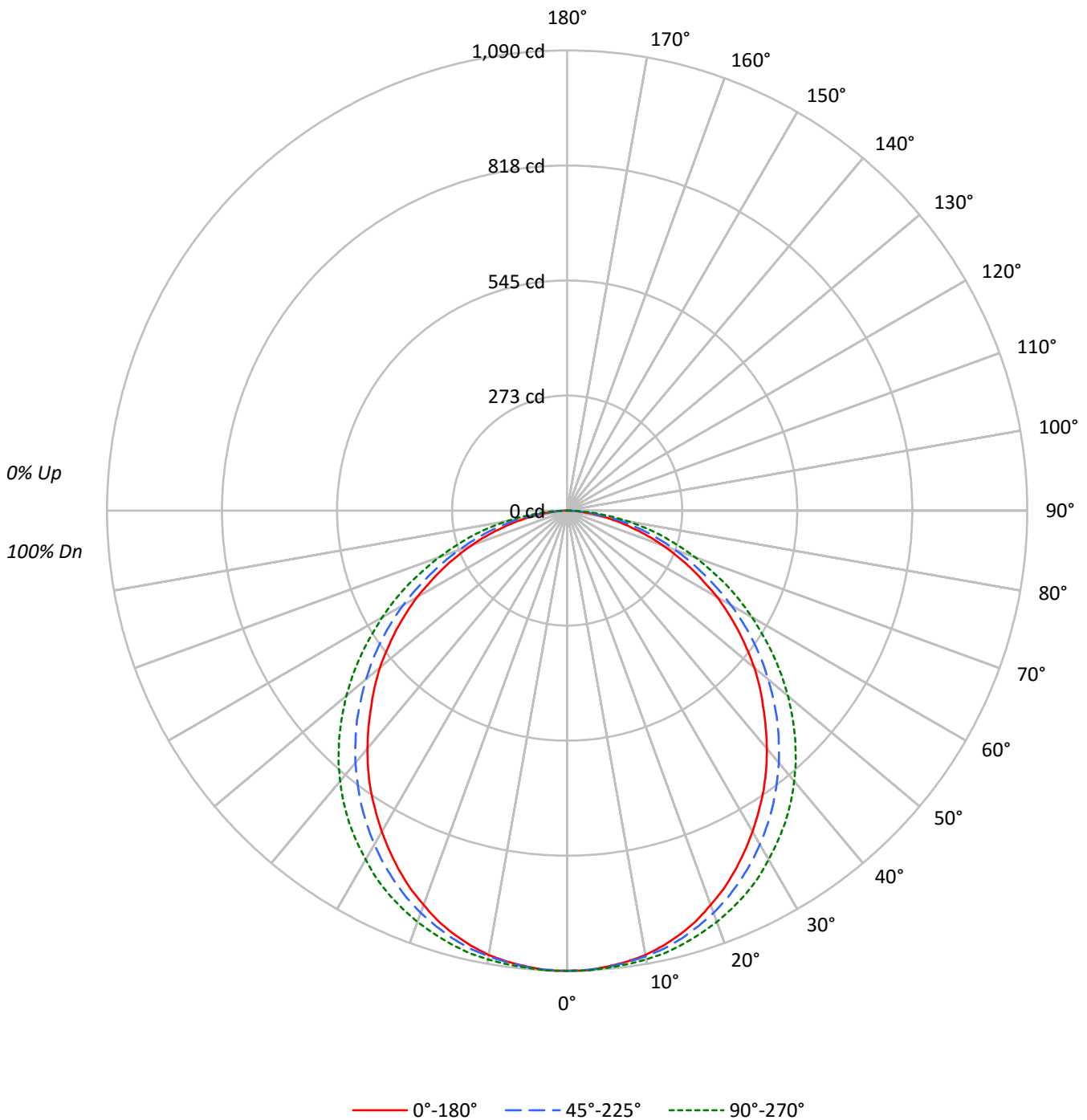
Lumens per Lamp: N/A
Luminaire Lumens: 3027.3 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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°	2934	2934	2934
5°	2929	2933	2937
10°	2921	2929	2950
15°	2893	2923	2961
20°	2847	2904	2969
25°	2793	2875	2975
30°	2728	2838	2966
35°	2664	2794	2960
40°	2585	2741	2940
45°	2499	2679	2906
50°	2423	2602	2858
55°	2321	2522	2794
60°	2211	2416	2721
65°	2061	2275	2645
70°	1899	2138	2535
75°	1683	1985	2429
80°	1420	1774	2249
85°	1037	1368	1791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.4
10°-20°	296.1	9.8
20°-30°	446.6	14.8
30°-40°	533.1	17.6
40°-50°	544.9	18.0
50°-60°	483.2	16.0
60°-70°	360.2	11.9
70°-80°	205.8	6.8
80°-90°	54.3	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°	845.9	27.9
0°-40°	1379.0	45.6
0°-60°	2407.1	79.5
0°-90°	3027.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3027.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1084	1084	1086	1086	1087	103
15°	1038	1042	1049	1058	1063	293
25°	941	948	968	990	1002	433
35°	811	822	851	884	901	507
45°	657	670	704	742	764	507
55°	495	504	538	576	596	442
65°	324	331	357	394	415	321
75°	162	170	191	220	234	173
85°	34	35	44	55	58	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.3	1090.3	1090.3	1090.3	1090.3
2.5°	1090.3	1088.8	1088.8	1088.8	1090.3
5°	1084.2	1084.2	1085.7	1085.7	1087.3
7.5°	1078.1	1078.1	1079.6	1081.2	1084.2
10°	1068.9	1068.9	1072.0	1076.6	1079.6
12.5°	1055.2	1056.7	1062.8	1068.9	1073.5
15°	1038.4	1041.5	1049.1	1058.3	1062.8
17.5°	1018.6	1021.6	1032.3	1044.5	1050.6
20°	994.1	1000.2	1014.0	1029.2	1036.9
22.5°	969.7	975.8	992.6	1010.9	1020.1
25°	940.7	948.3	968.2	989.5	1001.8
27.5°	910.1	919.3	942.2	966.6	980.4
30°	878.1	888.8	913.2	940.7	954.4
32.5°	844.5	855.2	882.6	913.2	928.5
35°	810.9	821.6	850.6	884.2	901.0
37.5°	774.2	784.9	815.5	852.1	870.4
40°	736.0	748.3	780.3	817.0	836.8
42.5°	696.3	710.1	742.2	781.9	801.7
45°	656.6	670.4	704.0	742.2	763.5
47.5°	618.5	629.2	662.7	702.5	723.8
50°	578.8	587.9	621.5	661.2	682.6
52.5°	536.0	548.2	580.3	620.0	639.8
55°	494.8	503.9	537.5	575.7	595.6
57.5°	452.0	461.2	493.2	531.4	549.7
60°	410.8	419.9	449.0	487.1	505.5
62.5°	365.0	374.1	403.1	442.9	461.2
65°	323.7	331.4	357.3	394.0	415.4
67.5°	282.5	290.1	314.6	349.7	366.5
70°	241.3	247.4	271.8	303.9	322.2
72.5°	201.6	207.7	232.1	261.1	276.4
75°	161.9	169.5	190.9	219.9	233.6
77.5°	125.2	132.9	151.2	177.1	189.4
80°	91.6	97.7	114.5	134.4	145.1
82.5°	61.1	65.7	77.9	94.7	102.3
85°	33.6	35.1	44.3	55.0	58.0
87.5°	13.7	13.7	16.8	18.3	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)