

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: P385071

Luminaire Tested: **14ID-30-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385071
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: 14ID-30-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

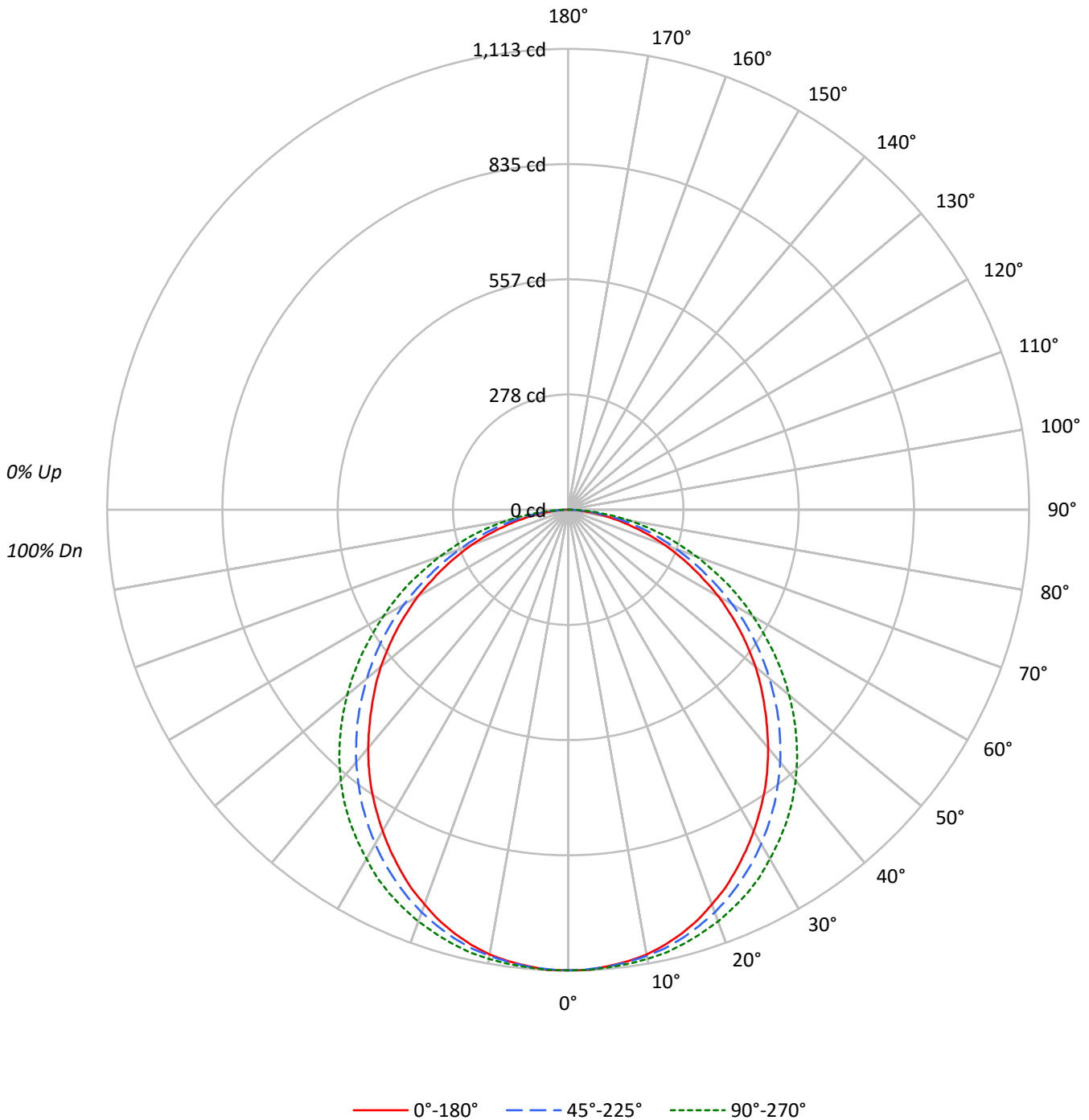
Lumens per Lamp: N/A
Luminaire Lumens: 3089.1 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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°	2994	2994	2994
5°	2989	2993	2997
10°	2981	2989	3010
15°	2952	2982	3021
20°	2905	2963	3030
25°	2850	2933	3035
30°	2784	2895	3026
35°	2718	2851	3020
40°	2638	2797	3000
45°	2550	2734	2965
50°	2472	2655	2916
55°	2369	2573	2851
60°	2256	2465	2776
65°	2103	2322	2699
70°	1937	2183	2587
75°	1718	2025	2479
80°	1449	1812	2294
85°	1059	1396	1828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	3.4
10°-20°	302.1	9.8
20°-30°	455.7	14.8
30°-40°	544.0	17.6
40°-50°	556.0	18.0
50°-60°	493.0	16.0
60°-70°	367.5	11.9
70°-80°	210.0	6.8
80°-90°	55.4	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°	863.2	27.9
0°-40°	1407.2	45.6
0°-60°	2456.2	79.5
0°-90°	3089.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3089.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1113	1113	1113	1113	1113	
5°	1106	1106	1108	1108	1110	105
15°	1060	1063	1070	1080	1084	299
25°	960	968	988	1010	1022	442
35°	827	838	868	902	919	517
45°	670	684	718	757	779	518
55°	505	514	548	588	608	451
65°	330	338	365	402	424	327
75°	165	173	195	224	238	176
85°	34	36	45	56	59	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1112.6	1111.0	1111.0	1111.0	1112.6
5°	1106.4	1106.4	1107.9	1107.9	1109.5
7.5°	1100.1	1100.1	1101.7	1103.2	1106.4
10°	1090.8	1090.8	1093.9	1098.6	1101.7
12.5°	1076.7	1078.3	1084.5	1090.8	1095.4
15°	1059.6	1062.7	1070.5	1079.9	1084.5
17.5°	1039.3	1042.5	1053.4	1065.8	1072.1
20°	1014.4	1020.6	1034.7	1050.3	1058.0
22.5°	989.5	995.7	1012.9	1031.6	1040.9
25°	959.9	967.7	987.9	1009.7	1022.2
27.5°	928.7	938.1	961.4	986.4	1000.4
30°	896.0	906.9	931.8	959.9	973.9
32.5°	861.7	872.6	900.7	931.8	947.4
35°	827.4	838.3	867.9	902.2	919.4
37.5°	790.0	800.9	832.1	869.5	888.2
40°	751.1	763.5	796.3	833.7	853.9
42.5°	710.6	724.6	757.3	797.8	818.1
45°	670.0	684.1	718.4	757.3	779.1
47.5°	631.1	642.0	676.3	716.8	738.6
50°	590.6	599.9	634.2	674.7	696.5
52.5°	546.9	559.4	592.1	632.6	652.9
55°	504.9	514.2	548.5	587.5	607.7
57.5°	461.2	470.6	503.3	542.3	561.0
60°	419.2	428.5	458.1	497.1	515.8
62.5°	372.4	381.8	411.4	451.9	470.6
65°	330.3	338.1	364.6	402.0	423.8
67.5°	288.3	296.1	321.0	356.8	374.0
70°	246.2	252.4	277.4	310.1	328.8
72.5°	205.7	211.9	236.9	266.5	282.0
75°	165.2	173.0	194.8	224.4	238.4
77.5°	127.8	135.6	154.3	180.8	193.2
80°	93.5	99.7	116.9	137.1	148.0
82.5°	62.3	67.0	79.5	96.6	104.4
85°	34.3	35.8	45.2	56.1	59.2
87.5°	14.0	14.0	17.1	18.7	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)