

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: P385241

Luminaire Tested: **14ID-30-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-30-L850-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

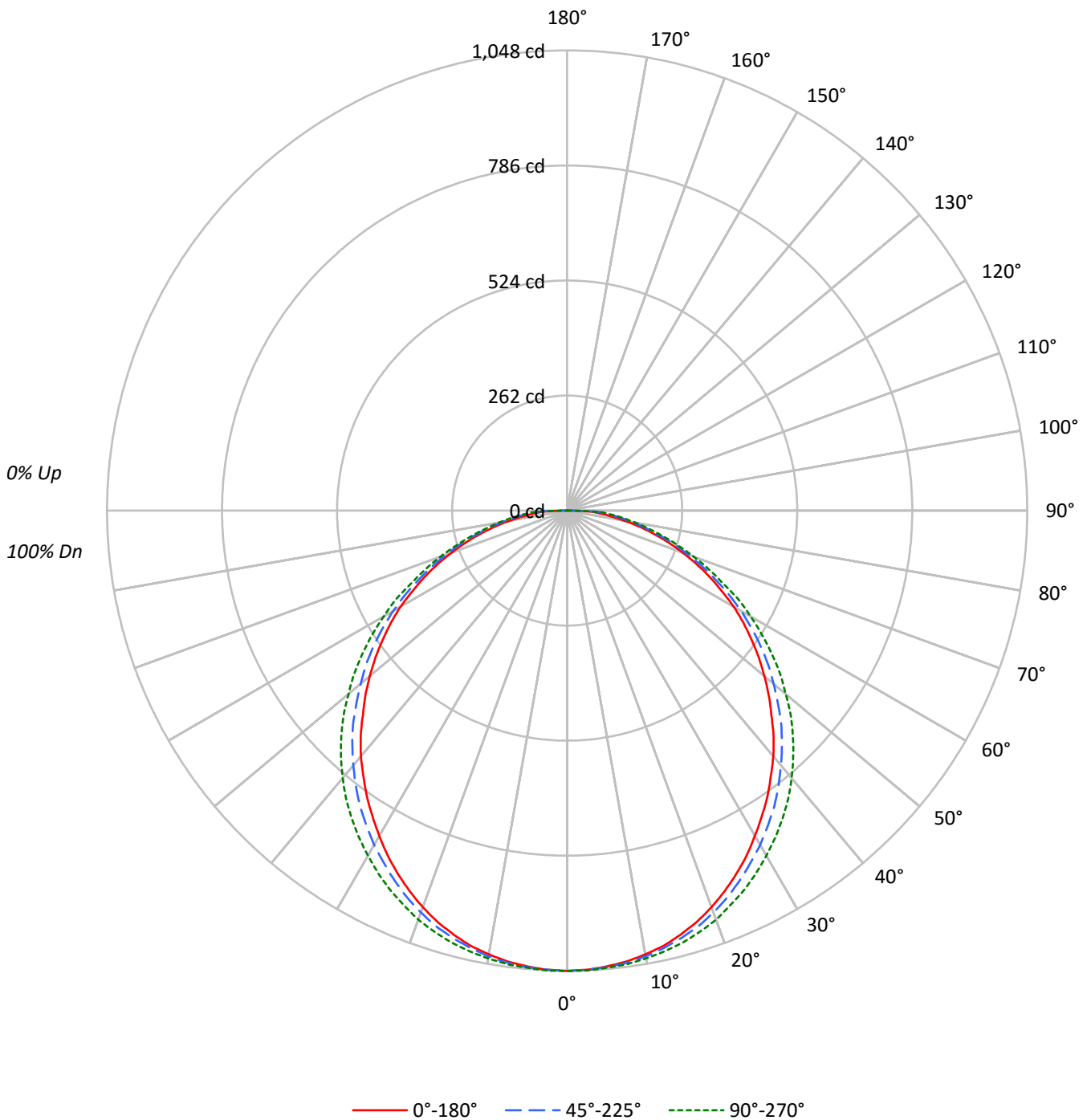
Lumens per Lamp: N/A
Luminaire Lumens: 3040.7 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.9
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2821	2821	2821
5°	2804	2783	2783
10°	2784	2746	2749
15°	2753	2700	2716
20°	2712	2648	2677
25°	2657	2583	2627
30°	2596	2518	2573
35°	2539	2449	2517
40°	2479	2368	2451
45°	2403	2287	2373
50°	2340	2185	2270
55°	2269	2084	2157
60°	2199	1960	2014
65°	2098	1806	1832
70°	1976	1638	1656
75°	1836	1453	1449
80°	1645	1255	1247
85°	1554	1092	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	3.3
10°-20°	284.3	9.3
20°-30°	429.0	14.1
30°-40°	514.9	16.9
40°-50°	532.9	17.5
50°-60°	482.8	15.9
60°-70°	371.9	12.2
70°-80°	230.2	7.6
80°-90°	95.6	3.1
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°	812.5	26.7
0°-40°	1327.4	43.7
0°-60°	2343.0	77.1
0°-90°	3040.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3040.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1048	1048	1048	1048	1048	
5°	1042	1042	1044	1044	1045	99
15°	999	1001	1007	1014	1018	282
25°	912	916	930	946	954	420
35°	795	802	822	844	856	497
45°	658	667	689	715	727	509
55°	512	520	538	561	569	459
65°	359	362	373	389	391	355
75°	204	209	217	226	226	216
85°	74	82	95	101	100	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1048.4	1048.4	1048.4	1048.4	1048.4
2.5°	1046.8	1046.8	1046.8	1046.8	1048.4
5°	1042.0	1042.0	1043.6	1043.6	1045.2
7.5°	1035.7	1035.7	1038.9	1038.9	1042.0
10°	1026.2	1027.8	1031.0	1032.6	1035.7
12.5°	1015.2	1015.2	1019.9	1024.7	1027.8
15°	999.4	1000.9	1007.3	1013.6	1018.3
17.5°	982.0	983.5	993.0	999.4	1005.7
20°	961.4	963.0	974.1	983.5	991.4
22.5°	937.7	940.8	953.5	966.1	972.5
25°	912.4	915.5	929.8	945.6	953.5
27.5°	885.5	890.2	904.5	921.9	931.4
30°	855.5	861.8	879.2	898.2	907.6
32.5°	825.4	831.7	850.7	872.9	882.3
35°	795.4	801.7	822.3	844.4	855.5
37.5°	762.2	768.5	790.6	814.3	827.0
40°	730.5	736.9	757.4	784.3	795.4
42.5°	695.8	702.1	724.2	749.5	762.2
45°	657.8	667.3	689.4	714.7	727.4
47.5°	623.0	630.9	651.5	678.4	691.0
50°	586.6	594.6	613.5	640.4	649.9
52.5°	550.3	558.2	577.2	602.5	611.9
55°	512.3	520.2	537.6	561.3	569.3
57.5°	476.0	482.3	498.1	520.2	526.6
60°	438.0	444.3	457.0	477.5	482.3
62.5°	396.9	401.6	415.9	434.8	441.2
65°	358.9	362.1	373.2	389.0	390.6
67.5°	319.4	322.6	333.6	344.7	349.5
70°	279.9	284.6	292.5	303.6	306.8
72.5°	241.9	246.7	254.6	264.1	265.7
75°	204.0	208.7	216.6	226.1	226.1
77.5°	167.6	172.4	181.8	189.8	189.8
80°	131.2	139.2	148.6	156.5	156.5
82.5°	101.2	107.5	120.2	126.5	126.5
85°	74.3	82.2	94.9	101.2	99.6
87.5°	53.8	61.7	72.7	77.5	75.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)