

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: P385236

Luminaire Tested: **14ID-25-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385236
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-25-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

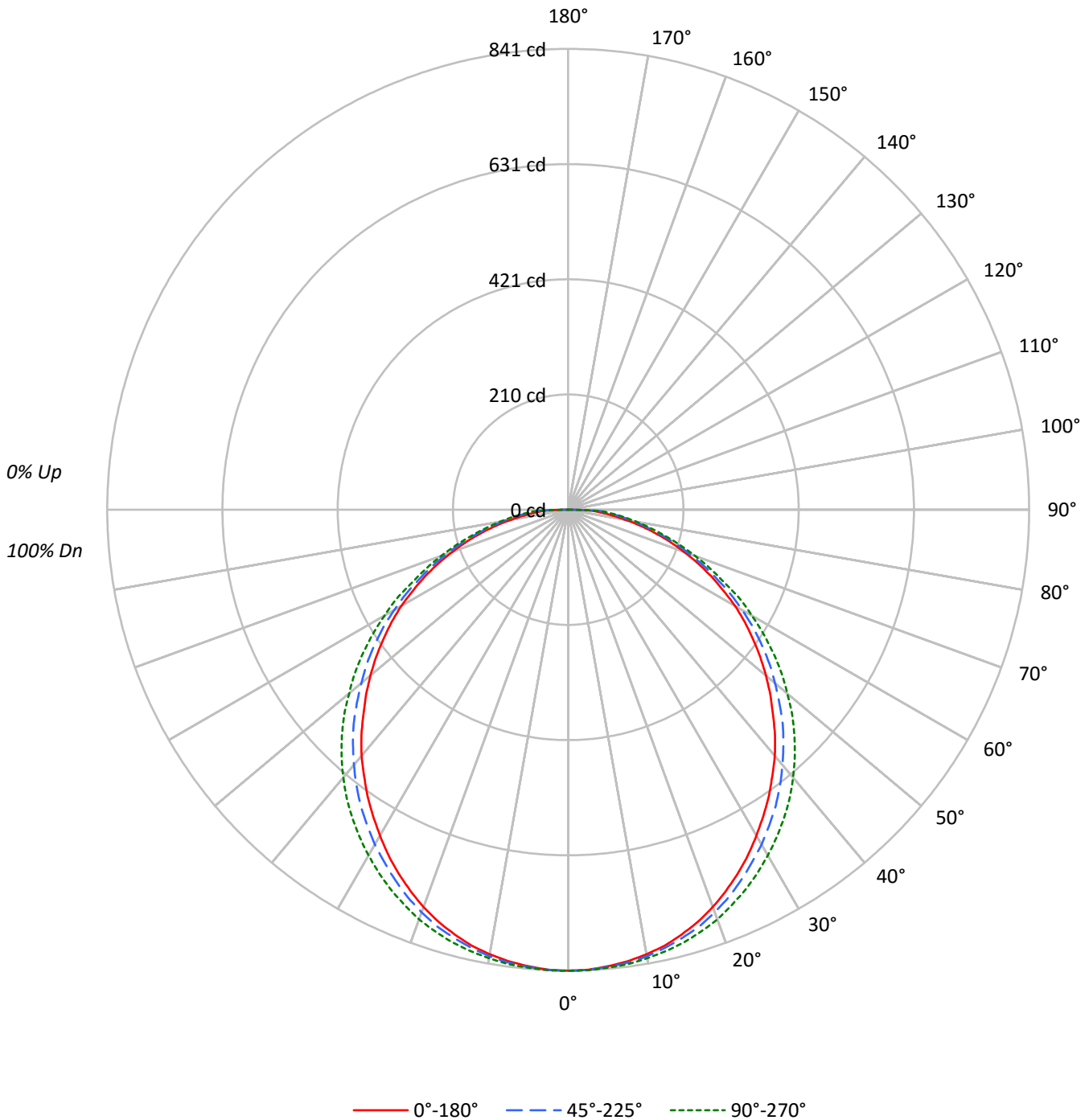
Lumens per Lamp: N/A
Luminaire Lumens: 2440.5 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.5
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			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°	2264	2264	2264
5°	2251	2234	2234
10°	2234	2204	2207
15°	2210	2167	2180
20°	2177	2125	2148
25°	2133	2073	2108
30°	2083	2021	2065
35°	2038	1965	2020
40°	1990	1901	1967
45°	1929	1835	1904
50°	1878	1754	1822
55°	1821	1673	1731
60°	1764	1573	1617
65°	1684	1449	1471
70°	1586	1315	1329
75°	1473	1167	1163
80°	1320	1007	1001
85°	1247	875	850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	3.3
10°-20°	228.2	9.3
20°-30°	344.3	14.1
30°-40°	413.3	16.9
40°-50°	427.7	17.5
50°-60°	387.5	15.9
60°-70°	298.5	12.2
70°-80°	184.7	7.6
80°-90°	76.7	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°	652.1	26.7
0°-40°	1065.4	43.7
0°-60°	1880.5	77.1
0°-90°	2440.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2440.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	836	836	838	838	839	79
15°	802	803	808	814	817	226
25°	732	735	746	759	765	337
35°	638	644	660	678	687	399
45°	528	536	553	574	584	408
55°	411	418	432	450	457	368
65°	288	291	300	312	314	285
75°	164	168	174	182	182	173
85°	60	66	76	81	80	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.4	841.4	841.4	841.4	841.4
2.5°	840.2	840.2	840.2	840.2	841.4
5°	836.4	836.4	837.6	837.6	838.9
7.5°	831.3	831.3	833.8	833.8	836.4
10°	823.7	824.9	827.5	828.7	831.3
12.5°	814.8	814.8	818.6	822.4	824.9
15°	802.1	803.4	808.4	813.5	817.3
17.5°	788.1	789.4	797.0	802.1	807.2
20°	771.6	772.9	781.8	789.4	795.7
22.5°	752.6	755.1	765.3	775.4	780.5
25°	732.3	734.8	746.2	758.9	765.3
27.5°	710.7	714.5	725.9	739.9	747.5
30°	686.6	691.7	705.6	720.9	728.5
32.5°	662.5	667.6	682.8	700.6	708.2
35°	638.4	643.5	659.9	677.7	686.6
37.5°	611.7	616.8	634.6	653.6	663.8
40°	586.3	591.4	607.9	629.5	638.4
42.5°	558.4	563.5	581.3	601.6	611.7
45°	528.0	535.6	553.3	573.6	583.8
47.5°	500.0	506.4	522.9	544.5	554.6
50°	470.8	477.2	492.4	514.0	521.6
52.5°	441.7	448.0	463.2	483.5	491.2
55°	411.2	417.5	431.5	450.5	456.9
57.5°	382.0	387.1	399.8	417.5	422.6
60°	351.5	356.6	366.8	383.3	387.1
62.5°	318.6	322.4	333.8	349.0	354.1
65°	288.1	290.6	299.5	312.2	313.5
67.5°	256.4	258.9	267.8	276.7	280.5
70°	224.6	228.4	234.8	243.7	246.2
72.5°	194.2	198.0	204.3	211.9	213.2
75°	163.7	167.5	173.9	181.5	181.5
77.5°	134.5	138.3	146.0	152.3	152.3
80°	105.3	111.7	119.3	125.6	125.6
82.5°	81.2	86.3	96.5	101.5	101.5
85°	59.6	66.0	76.1	81.2	80.0
87.5°	43.2	49.5	58.4	62.2	60.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)