

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: P385276

Luminaire Tested: **14ID-75-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385276
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-75-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

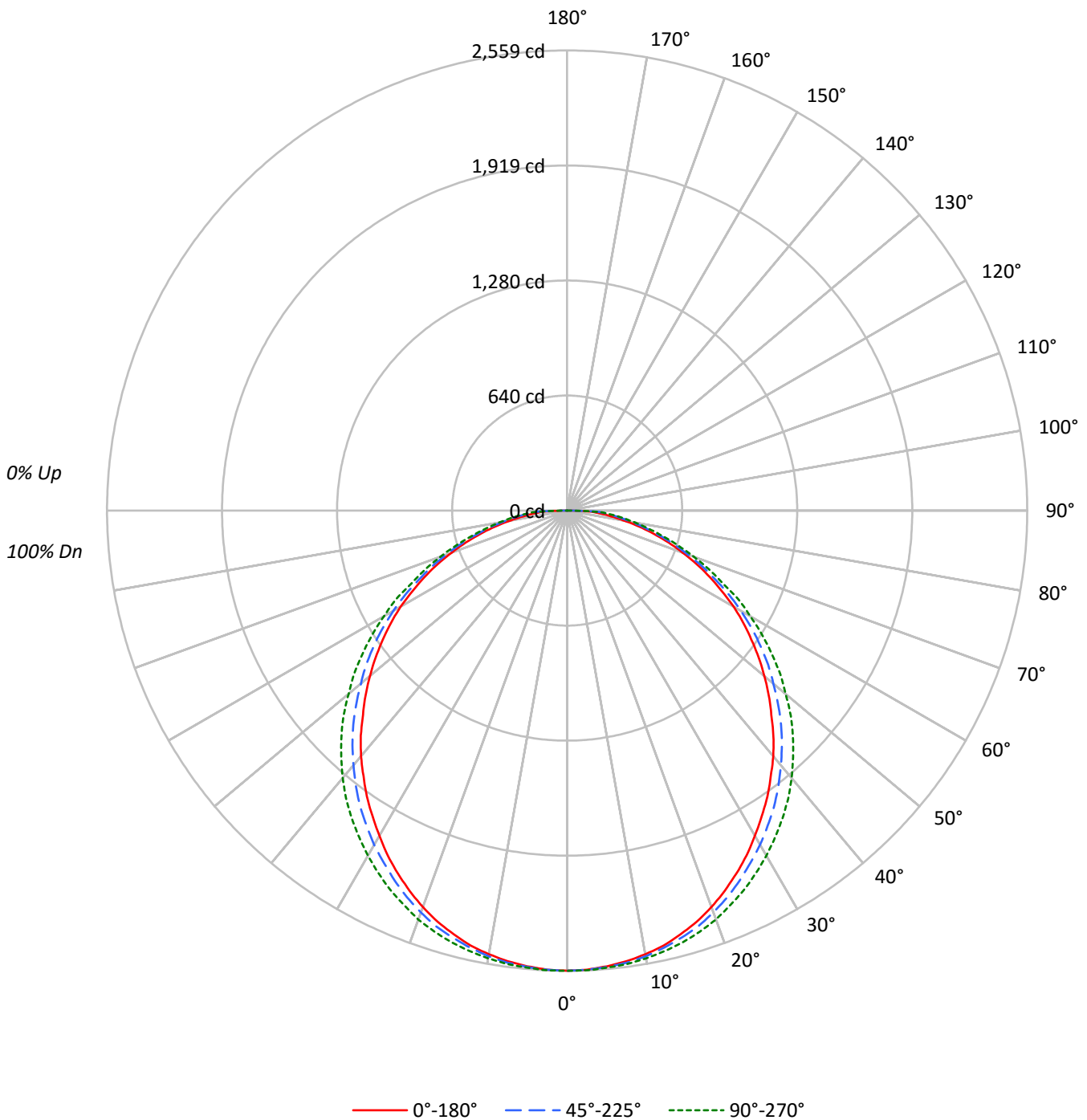
Lumens per Lamp: N/A
Luminaire Lumens: 7422.4 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70.9
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°	6886	6886	6886
5°	6846	6794	6793
10°	6795	6702	6711
15°	6721	6590	6629
20°	6620	6462	6534
25°	6487	6306	6412
30°	6336	6146	6280
35°	6197	5977	6143
40°	6053	5780	5983
45°	5866	5582	5792
50°	5711	5333	5541
55°	5538	5087	5266
60°	5367	4783	4917
65°	5121	4408	4472
70°	4823	4000	4041
75°	4480	3548	3538
80°	4016	3063	3044
85°	3794	2664	2585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	3.3
10°-20°	693.9	9.3
20°-30°	1047.2	14.1
30°-40°	1256.9	16.9
40°-50°	1300.8	17.5
50°-60°	1178.4	15.9
60°-70°	907.9	12.2
70°-80°	561.8	7.6
80°-90°	233.3	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°	1983.2	26.7
0°-40°	3240.1	43.7
0°-60°	5719.4	77.1
0°-90°	7422.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7422.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2559	2559	2559	2559	2559	
5°	2544	2544	2548	2548	2551	242
15°	2439	2443	2459	2474	2486	688
25°	2227	2235	2270	2308	2328	1026
35°	1942	1957	2007	2061	2088	1214
45°	1606	1629	1683	1745	1776	1242
55°	1251	1270	1312	1370	1390	1120
65°	876	884	911	950	953	866
75°	498	510	529	552	552	527
85°	181	201	232	247	243	196
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2559.1	2559.1	2559.1	2559.1	2559.1
2.5°	2555.2	2555.2	2555.2	2555.2	2559.1
5°	2543.7	2543.7	2547.5	2547.5	2551.4
7.5°	2528.2	2528.2	2535.9	2535.9	2543.7
10°	2505.1	2508.9	2516.6	2520.5	2528.2
12.5°	2478.0	2478.0	2489.6	2501.2	2508.9
15°	2439.4	2443.3	2458.7	2474.2	2485.8
17.5°	2397.0	2400.8	2424.0	2439.4	2454.9
20°	2346.8	2350.7	2377.7	2400.8	2420.1
22.5°	2288.9	2296.6	2327.5	2358.4	2373.8
25°	2227.1	2234.9	2269.6	2308.2	2327.5
27.5°	2161.5	2173.1	2207.8	2250.3	2273.5
30°	2088.2	2103.6	2146.1	2192.4	2215.6
32.5°	2014.9	2030.3	2076.6	2130.6	2153.8
35°	1941.5	1957.0	2007.1	2061.2	2088.2
37.5°	1860.5	1875.9	1929.9	1987.8	2018.7
40°	1783.3	1798.7	1848.9	1914.5	1941.5
42.5°	1698.3	1713.8	1767.8	1829.6	1860.5
45°	1605.7	1628.9	1682.9	1744.7	1775.5
47.5°	1520.8	1540.1	1590.3	1655.9	1686.8
50°	1432.0	1451.3	1497.6	1563.2	1586.4
52.5°	1343.2	1362.5	1408.9	1470.6	1493.8
55°	1250.6	1269.9	1312.4	1370.3	1389.6
57.5°	1161.8	1177.3	1215.9	1269.9	1285.3
60°	1069.2	1084.6	1115.5	1165.7	1177.3
62.5°	968.8	980.4	1015.1	1061.5	1076.9
65°	876.2	883.9	910.9	949.5	953.4
67.5°	779.7	787.4	814.4	841.5	853.0
70°	683.2	694.8	714.1	741.1	748.8
72.5°	590.6	602.1	621.4	644.6	648.5
75°	497.9	509.5	528.8	552.0	552.0
77.5°	409.1	420.7	443.9	463.2	463.2
80°	320.4	339.7	362.8	382.1	382.1
82.5°	247.0	262.5	293.4	308.8	308.8
85°	181.4	200.7	231.6	247.0	243.2
87.5°	131.2	150.5	177.6	189.1	185.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)