

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: P384566

Luminaire Tested: **14ID-30-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-30-L830-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

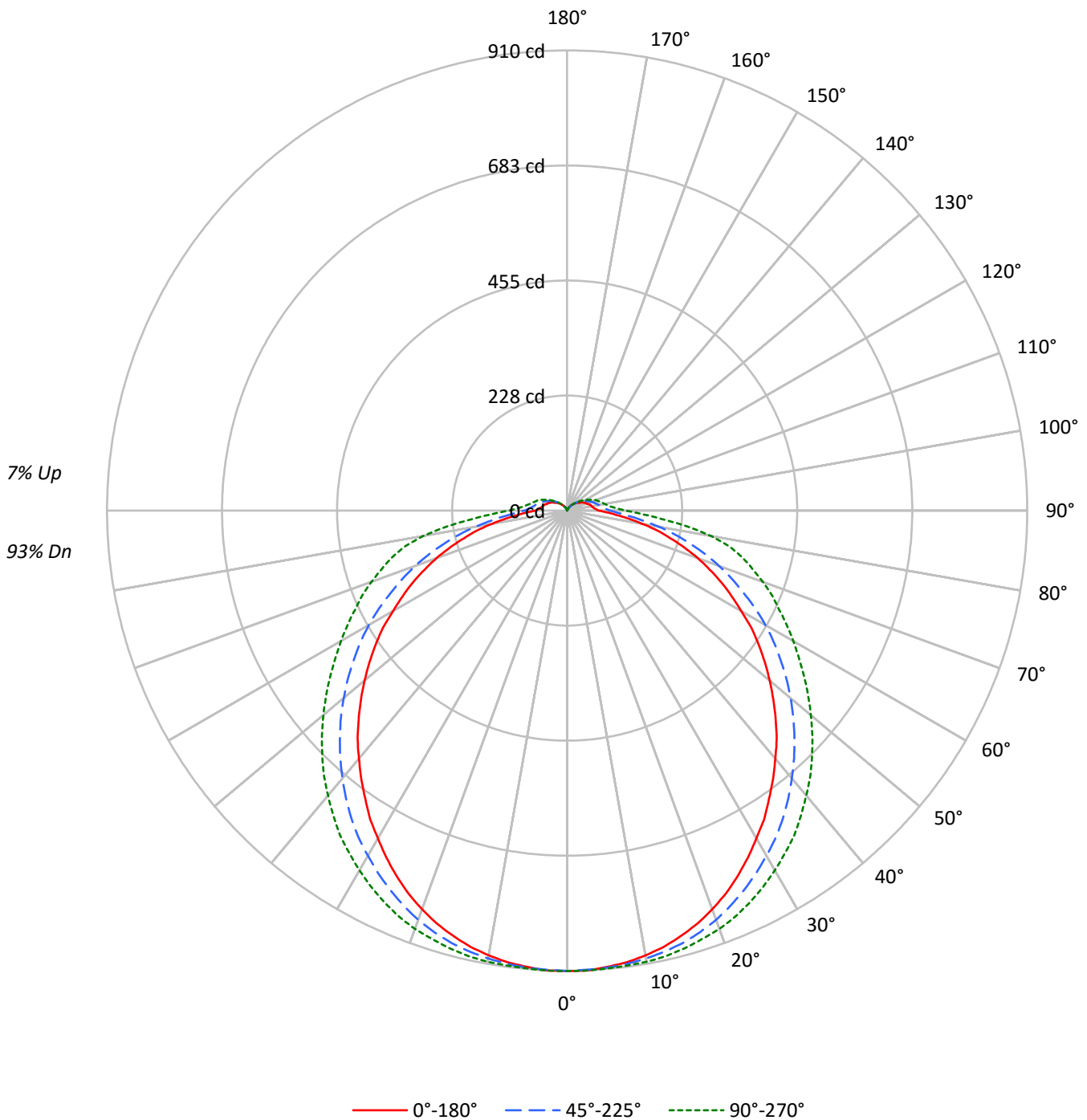
Lumens per Lamp: N/A
Luminaire Lumens: 3186.3 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2450	2450	2450
5°	2433	2405	2403
10°	2414	2365	2371
15°	2386	2328	2340
20°	2349	2283	2311
25°	2301	2229	2273
30°	2244	2172	2231
35°	2191	2116	2190
40°	2138	2048	2136
45°	2089	1981	2085
50°	2037	1911	2030
55°	1992	1836	1978
60°	1929	1763	1939
65°	1892	1662	1917
70°	1846	1564	1920
75°	1781	1431	1932
80°	1728	1268	1854
85°	1745	1072	1488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.7
10°-20°	249.5	7.8
20°-30°	381.2	12.0
30°-40°	464.0	14.6
40°-50°	490.4	15.4
50°-60°	462.9	14.5
60°-70°	389.5	12.2
70°-80°	280.8	8.8
80°-90°	148.1	4.6
90°-100°	79.3	2.5
100°-110°	60.2	1.9
110°-120°	43.7	1.4
120°-130°	27.4	0.9
130°-140°	14.8	0.5
140°-150°	6.5	0.2
150°-160°	1.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	717.0	22.5
0°-40°	1181.0	37.1
0°-60°	2134.4	67.0
0°-90°	2952.7	92.7
90°-120°	183.1	5.7
90°-150°	231.8	7.3
90°-180°	234.0	7.3
0°-180°	3186.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	906	906	907	907	909	86
15°	871	874	885	892	896	246
25°	798	807	828	847	855	367
35°	696	712	744	772	783	436
45°	583	601	636	671	685	450
55°	462	483	515	553	572	413
65°	337	356	385	432	462	333
75°	211	229	251	300	359	224
85°	97	110	122	152	186	91
90°	62	73	84	100	114	36
95°	54	62	72	81	87	43
105°	46	51	57	64	67	48
115°	36	40	44	48	51	37
125°	27	27	32	32	33	24
135°	19	18	19	19	21	14
145°	11	10	10	10	11	7
155°	5	5	2	3	5	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.5	910.5	910.5	910.5	910.5
2.5°	910.5	908.9	908.9	908.9	910.5
5°	905.8	905.8	907.4	907.4	908.9
7.5°	901.0	901.0	904.2	905.8	907.4
10°	893.1	894.6	899.4	902.6	905.8
12.5°	883.5	885.1	893.1	899.4	902.6
15°	870.8	874.0	885.1	891.5	896.2
17.5°	856.5	861.3	874.0	883.5	888.3
20°	839.0	845.4	861.3	874.0	880.3
22.5°	820.0	826.3	845.4	861.3	869.2
25°	797.7	807.2	827.9	847.0	854.9
27.5°	773.9	785.0	808.8	831.1	839.0
30°	748.4	761.2	788.2	812.0	821.5
32.5°	724.6	737.3	767.5	792.9	802.5
35°	696.0	711.9	743.7	772.3	783.4
37.5°	669.0	684.9	718.3	748.4	759.6
40°	640.4	656.3	691.2	724.6	735.7
42.5°	613.4	629.3	664.2	699.2	711.9
45°	583.2	600.7	635.6	670.6	684.9
47.5°	553.0	570.5	607.0	643.6	657.9
50°	522.8	541.9	576.8	613.4	629.3
52.5°	492.6	511.7	546.6	584.8	600.7
55°	462.4	483.1	514.9	553.0	572.1
57.5°	432.2	452.9	484.7	524.4	543.5
60°	397.3	421.1	452.9	494.2	516.4
62.5°	367.1	387.7	419.5	462.4	489.4
65°	336.9	355.9	384.6	432.2	462.4
67.5°	305.1	325.8	352.8	397.3	438.6
70°	274.9	292.4	319.4	365.5	411.6
72.5°	243.1	260.6	286.0	333.7	384.6
75°	211.3	228.8	251.1	300.3	359.1
77.5°	182.7	197.0	217.7	265.4	328.9
80°	151.0	165.3	184.3	227.2	289.2
82.5°	122.4	135.1	151.0	189.1	238.4
85°	96.9	109.6	122.4	152.5	185.9
87.5°	77.9	87.4	100.1	122.4	144.6
90°	62.0	73.1	84.2	100.1	114.4
92.5°	57.2	66.7	76.3	89.0	98.5
95°	54.0	62.0	71.5	81.0	87.4
97.5°	50.8	58.8	66.7	76.3	81.0
100°	49.3	55.6	63.6	71.5	74.7
102.5°	47.7	52.4	60.4	66.7	71.5
105°	46.1	50.8	57.2	63.6	66.7
107.5°	42.9	47.7	54.0	60.4	63.6
110°	41.3	44.5	50.8	55.6	60.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.7	42.9	47.7	52.4	55.6
115°	36.5	39.7	44.5	47.7	50.8
117.5°	35.0	36.5	41.3	42.9	46.1
120°	31.8	33.4	38.1	39.7	41.3
122.5°	28.6	30.2	35.0	35.0	38.1
125°	27.0	27.0	31.8	31.8	33.4
127.5°	25.4	25.4	28.6	28.6	30.2
130°	22.2	22.2	25.4	25.4	25.4
132.5°	20.7	19.1	22.2	22.2	23.8
135°	19.1	17.5	19.1	19.1	20.7
137.5°	15.9	15.9	17.5	15.9	17.5
140°	14.3	12.7	14.3	14.3	15.9
142.5°	12.7	11.1	12.7	11.1	12.7
145°	11.1	9.5	9.5	9.5	11.1
147.5°	9.5	7.9	7.9	7.9	9.5
150°	7.9	6.4	6.4	6.4	7.9
152.5°	6.4	4.8	3.2	4.8	6.4
155°	4.8	4.8	1.6	3.2	4.8
157.5°	3.2	3.2	0.0	1.6	3.2
160°	1.6	1.6	0.0	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)