

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: P385096

Luminaire Tested: **14ID-60-L840-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385096  
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-60-L840-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

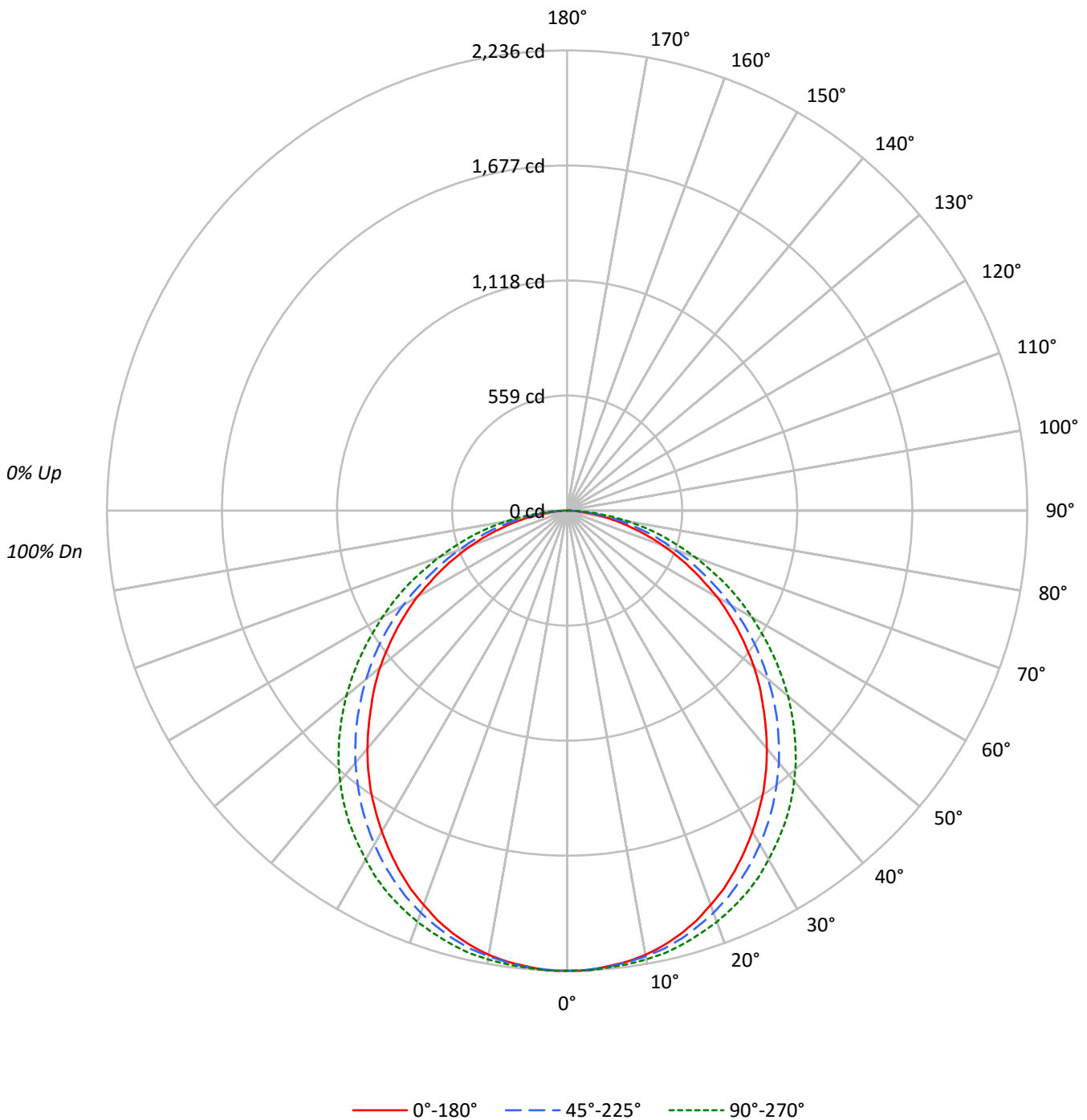
Lumens per Lamp: N/A  
Luminaire Lumens: 6209.2 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 53.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6018	6018	6018
5°	6007	6015	6024
10°	5991	6008	6051
15°	5933	5995	6073
20°	5839	5956	6090
25°	5729	5896	6101
30°	5596	5820	6083
35°	5464	5731	6071
40°	5303	5622	6029
45°	5125	5495	5960
50°	4970	5337	5861
55°	4761	5172	5731
60°	4534	4956	5579
65°	4228	4667	5424
70°	3894	4386	5200
75°	3452	4070	4982
80°	2912	3640	4612
85°	2127	2803	3674



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.7	3.4
10°-20°	607.3	9.8
20°-30°	915.9	14.8
30°-40°	1093.5	17.6
40°-50°	1117.6	18.0
50°-60°	991.0	16.0
60°-70°	738.8	11.9
70°-80°	422.0	6.8
80°-90°	111.3	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°	1735.0	27.9
0°-40°	2828.5	45.6
0°-60°	4937.1	79.5
0°-90°	6209.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6209.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2236	2236	2236	2236	2236	
5°	2224	2224	2227	2227	2230	211
15°	2130	2136	2152	2171	2180	600
25°	1929	1945	1986	2030	2055	888
35°	1663	1685	1745	1814	1848	1039
45°	1347	1375	1444	1522	1566	1041
55°	1015	1034	1102	1181	1222	907
65°	664	680	733	808	852	658
75°	332	348	392	451	479	354
85°	69	72	91	113	119	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2236.3	2236.3	2236.3	2236.3	2236.3
2.5°	2236.3	2233.2	2233.2	2233.2	2236.3
5°	2223.8	2223.8	2226.9	2226.9	2230.1
7.5°	2211.3	2211.3	2214.4	2217.5	2223.8
10°	2192.5	2192.5	2198.8	2208.1	2214.4
12.5°	2164.3	2167.4	2180.0	2192.5	2201.9
15°	2129.8	2136.1	2151.8	2170.6	2180.0
17.5°	2089.1	2095.4	2117.3	2142.4	2154.9
20°	2039.0	2051.5	2079.7	2111.1	2126.7
22.5°	1988.9	2001.4	2035.9	2073.5	2092.3
25°	1929.4	1945.0	1985.8	2029.6	2054.7
27.5°	1866.7	1885.5	1932.5	1982.6	2010.8
30°	1801.0	1822.9	1873.0	1929.4	1957.6
32.5°	1732.1	1754.0	1810.4	1873.0	1904.3
35°	1663.2	1685.1	1744.6	1813.5	1848.0
37.5°	1588.0	1609.9	1672.6	1747.7	1785.3
40°	1509.7	1534.7	1600.5	1675.7	1716.4
42.5°	1428.2	1456.4	1522.2	1603.6	1644.4
45°	1346.8	1375.0	1443.9	1522.2	1566.1
47.5°	1268.5	1290.4	1359.3	1440.8	1484.6
50°	1187.1	1205.9	1274.8	1356.2	1400.1
52.5°	1099.4	1124.4	1190.2	1271.6	1312.4
55°	1014.8	1033.6	1102.5	1180.8	1221.5
57.5°	927.1	945.9	1011.7	1090.0	1127.6
60°	842.5	861.3	920.8	999.1	1036.7
62.5°	748.6	767.4	826.9	908.3	945.9
65°	664.0	679.7	732.9	808.1	851.9
67.5°	579.4	595.1	645.2	717.3	751.7
70°	494.9	507.4	557.5	623.3	660.9
72.5°	413.4	426.0	476.1	535.6	566.9
75°	332.0	347.7	391.5	451.0	479.2
77.5°	256.8	272.5	310.1	363.3	388.4
80°	187.9	200.5	234.9	275.6	297.6
82.5°	125.3	134.7	159.7	194.2	209.9
85°	68.9	72.0	90.8	112.8	119.0
87.5°	28.2	28.2	34.5	37.6	40.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)