

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: P385064

Luminaire Tested: **14ID-20-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385064
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-20-L840-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

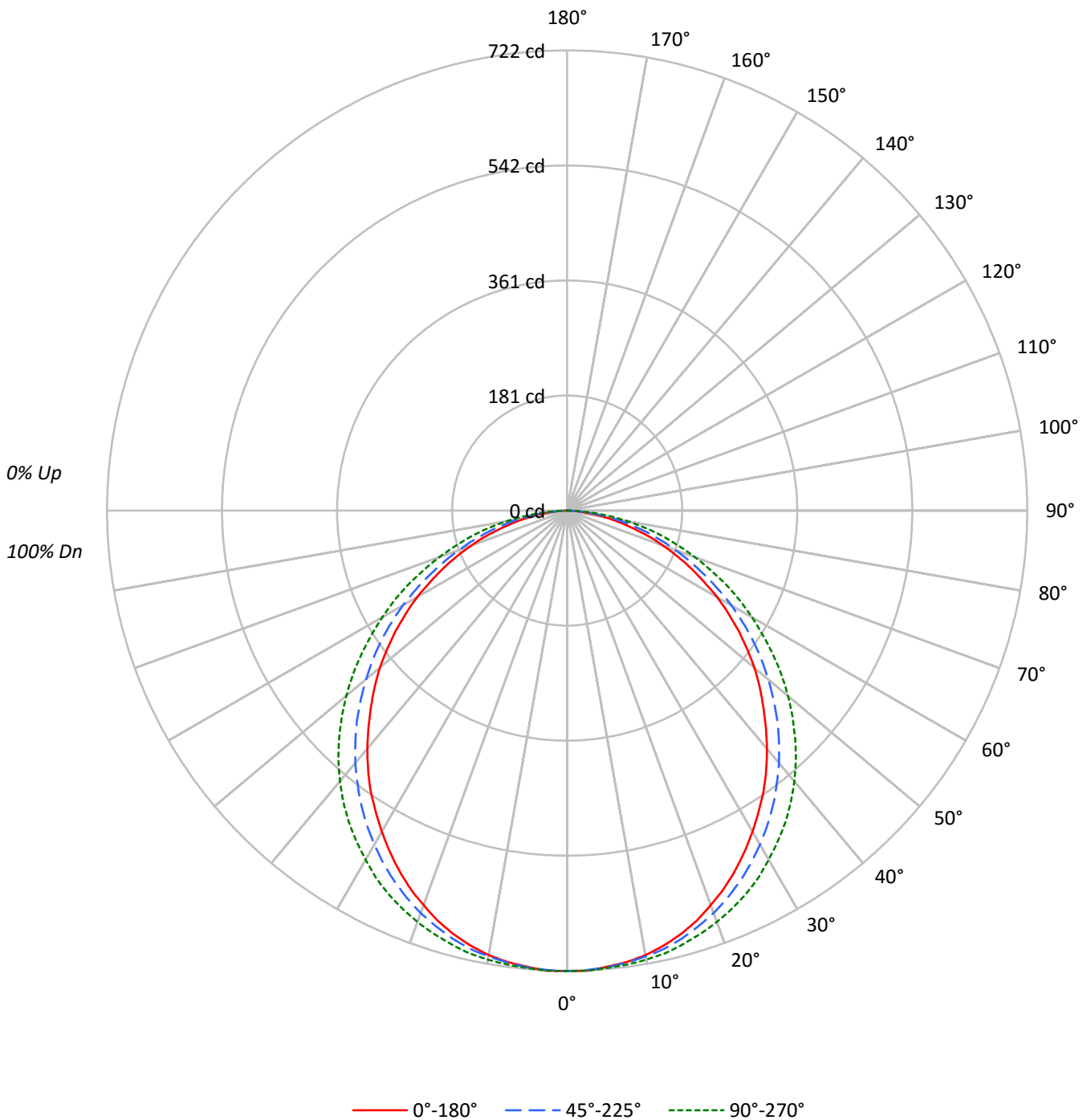
Lumens per Lamp: N/A
Luminaire Lumens: 2005.9 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (Ain): 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°	1944	1944	1944
5°	1941	1943	1946
10°	1935	1941	1955
15°	1917	1936	1962
20°	1886	1924	1967
25°	1851	1905	1971
30°	1808	1880	1965
35°	1765	1851	1961
40°	1713	1816	1948
45°	1656	1775	1925
50°	1605	1724	1894
55°	1538	1671	1851
60°	1465	1601	1802
65°	1366	1508	1752
70°	1258	1417	1680
75°	1116	1315	1609
80°	941	1176	1489
85°	689	905	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	3.4
10°-20°	196.2	9.8
20°-30°	295.9	14.8
30°-40°	353.3	17.6
40°-50°	361.1	18.0
50°-60°	320.2	16.0
60°-70°	238.7	11.9
70°-80°	136.3	6.8
80°-90°	36.0	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°	560.5	27.9
0°-40°	913.7	45.6
0°-60°	1595.0	79.5
0°-90°	2005.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2005.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	718	718	719	719	720	68
15°	688	690	695	701	704	194
25°	623	628	642	656	664	287
35°	537	544	564	586	597	336
45°	435	444	466	492	506	336
55°	328	334	356	382	395	293
65°	214	220	237	261	275	213
75°	107	112	126	146	155	114
85°	22	23	29	36	38	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	722.5	722.5	722.5	722.5	722.5
2.5°	722.5	721.4	721.4	721.4	722.5
5°	718.4	718.4	719.4	719.4	720.4
7.5°	714.4	714.4	715.4	716.4	718.4
10°	708.3	708.3	710.3	713.3	715.4
12.5°	699.2	700.2	704.2	708.3	711.3
15°	688.1	690.1	695.1	701.2	704.2
17.5°	674.9	676.9	684.0	692.1	696.1
20°	658.7	662.8	671.9	682.0	687.0
22.5°	642.5	646.6	657.7	669.8	675.9
25°	623.3	628.4	641.5	655.7	663.8
27.5°	603.1	609.1	624.3	640.5	649.6
30°	581.8	588.9	605.1	623.3	632.4
32.5°	559.5	566.6	584.8	605.1	615.2
35°	537.3	544.4	563.6	585.9	597.0
37.5°	513.0	520.1	540.3	564.6	576.7
40°	487.7	495.8	517.1	541.3	554.5
42.5°	461.4	470.5	491.8	518.1	531.2
45°	435.1	444.2	466.5	491.8	505.9
47.5°	409.8	416.9	439.1	465.4	479.6
50°	383.5	389.6	411.8	438.1	452.3
52.5°	355.2	363.3	384.5	410.8	424.0
55°	327.8	333.9	356.2	381.5	394.6
57.5°	299.5	305.6	326.8	352.1	364.3
60°	272.2	278.3	297.5	322.8	334.9
62.5°	241.8	247.9	267.1	293.4	305.6
65°	214.5	219.6	236.8	261.1	275.2
67.5°	187.2	192.2	208.4	231.7	242.8
70°	159.9	163.9	180.1	201.4	213.5
72.5°	133.6	137.6	153.8	173.0	183.1
75°	107.3	112.3	126.5	145.7	154.8
77.5°	83.0	88.0	100.2	117.4	125.5
80°	60.7	64.8	75.9	89.0	96.1
82.5°	40.5	43.5	51.6	62.7	67.8
85°	22.3	23.3	29.3	36.4	38.4
87.5°	9.1	9.1	11.1	12.1	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)