

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: P385118

Luminaire Tested: **22ID-20-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385118
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: 22ID-20-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

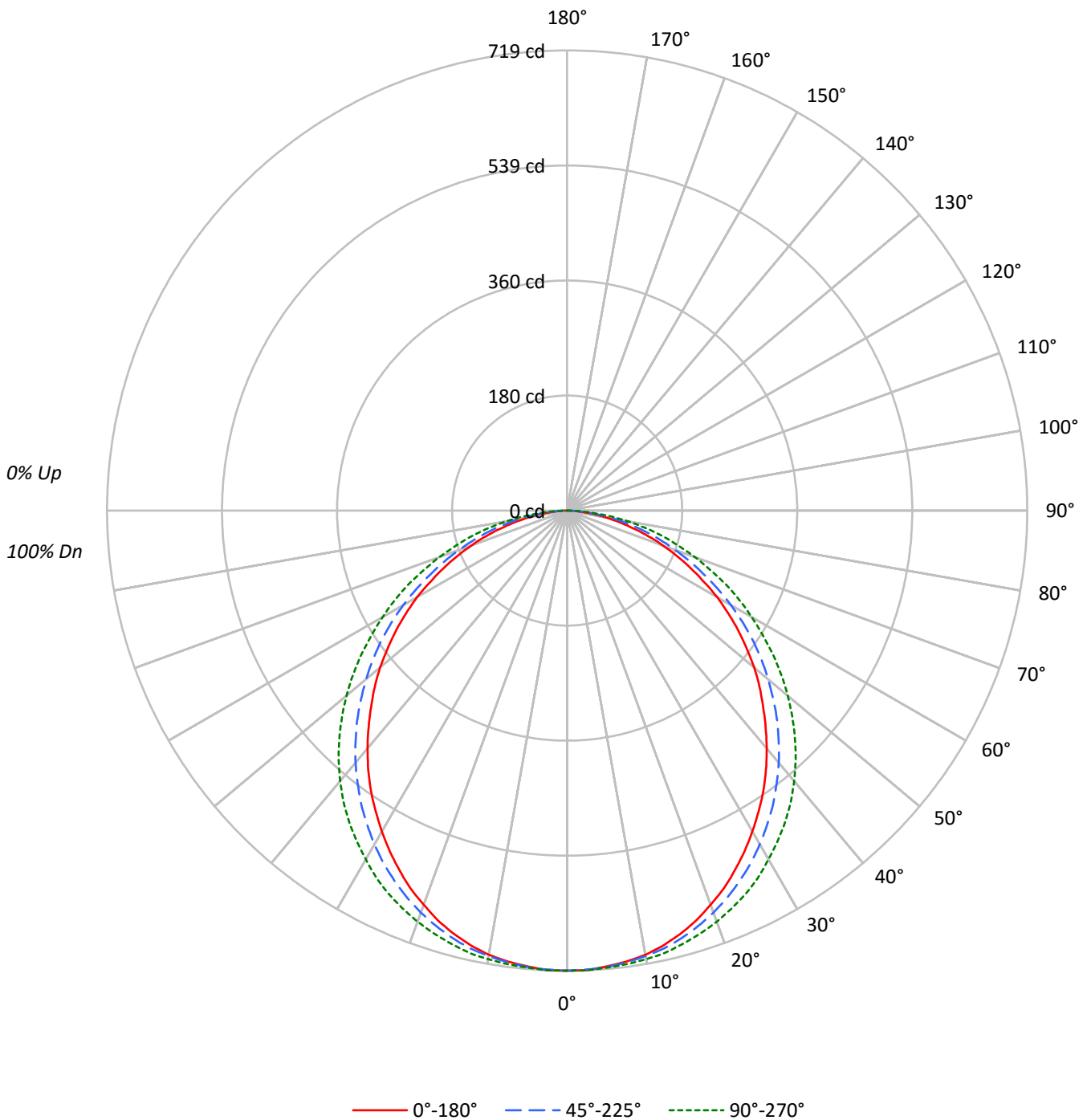
Lumens per Lamp: N/A
Luminaire Lumens: 1995.9 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.3
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°	1935	1935	1935
5°	1931	1934	1936
10°	1926	1931	1945
15°	1907	1927	1952
20°	1877	1914	1958
25°	1841	1895	1961
30°	1799	1871	1955
35°	1756	1842	1951
40°	1705	1807	1938
45°	1647	1766	1916
50°	1598	1716	1884
55°	1530	1663	1842
60°	1457	1593	1793
65°	1359	1500	1743
70°	1252	1410	1671
75°	1109	1308	1601
80°	936	1170	1481
85°	682	902	1183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	3.4
10°-20°	195.2	9.8
20°-30°	294.4	14.8
30°-40°	351.5	17.6
40°-50°	359.2	18.0
50°-60°	318.6	16.0
60°-70°	237.5	11.9
70°-80°	135.7	6.8
80°-90°	35.8	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°	557.7	27.9
0°-40°	909.2	45.6
0°-60°	1587.0	79.5
0°-90°	1995.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	715	715	716	716	717	68
15°	685	687	692	698	701	193
25°	620	625	638	652	660	286
35°	535	542	561	583	594	334
45°	433	442	464	489	503	334
55°	326	332	354	380	393	291
65°	213	218	236	260	274	212
75°	107	112	126	145	154	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°	718.9	718.9	718.9	718.9	718.9
2.5°	718.9	717.8	717.8	717.8	718.9
5°	714.8	714.8	715.8	715.8	716.8
7.5°	710.8	710.8	711.8	712.8	714.8
10°	704.8	704.8	706.8	709.8	711.8
12.5°	695.7	696.7	700.7	704.8	707.8
15°	684.6	686.6	691.7	697.7	700.7
17.5°	671.5	673.5	680.6	688.6	692.7
20°	655.4	659.5	668.5	678.6	683.6
22.5°	639.3	643.3	654.4	666.5	672.5
25°	620.2	625.2	638.3	652.4	660.5
27.5°	600.1	606.1	621.2	637.3	646.4
30°	578.9	586.0	602.1	620.2	629.2
32.5°	556.8	563.8	581.9	602.1	612.1
35°	534.6	541.7	560.8	582.9	594.0
37.5°	510.4	517.5	537.6	561.8	573.9
40°	485.3	493.3	514.5	538.6	551.7
42.5°	459.1	468.2	489.3	515.5	528.6
45°	432.9	442.0	464.1	489.3	503.4
47.5°	407.8	414.8	437.0	463.1	477.2
50°	381.6	387.6	409.8	435.9	450.0
52.5°	353.4	361.4	382.6	408.8	421.8
55°	326.2	332.2	354.4	379.6	392.7
57.5°	298.0	304.1	325.2	350.4	362.4
60°	270.8	276.9	296.0	321.2	333.2
62.5°	240.6	246.7	265.8	292.0	304.1
65°	213.4	218.5	235.6	259.8	273.8
67.5°	186.3	191.3	207.4	230.6	241.6
70°	159.1	163.1	179.2	200.4	212.4
72.5°	132.9	136.9	153.0	172.2	182.2
75°	106.7	111.8	125.8	145.0	154.0
77.5°	82.6	87.6	99.7	116.8	124.8
80°	60.4	64.4	75.5	88.6	95.6
82.5°	40.3	43.3	51.3	62.4	67.5
85°	22.1	23.2	29.2	36.2	38.3
87.5°	9.1	9.1	11.1	12.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)