

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: G3-1806-819-4

Luminaire Tested: **D3X-WO-20L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1806-819-4
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-20L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2008.4 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

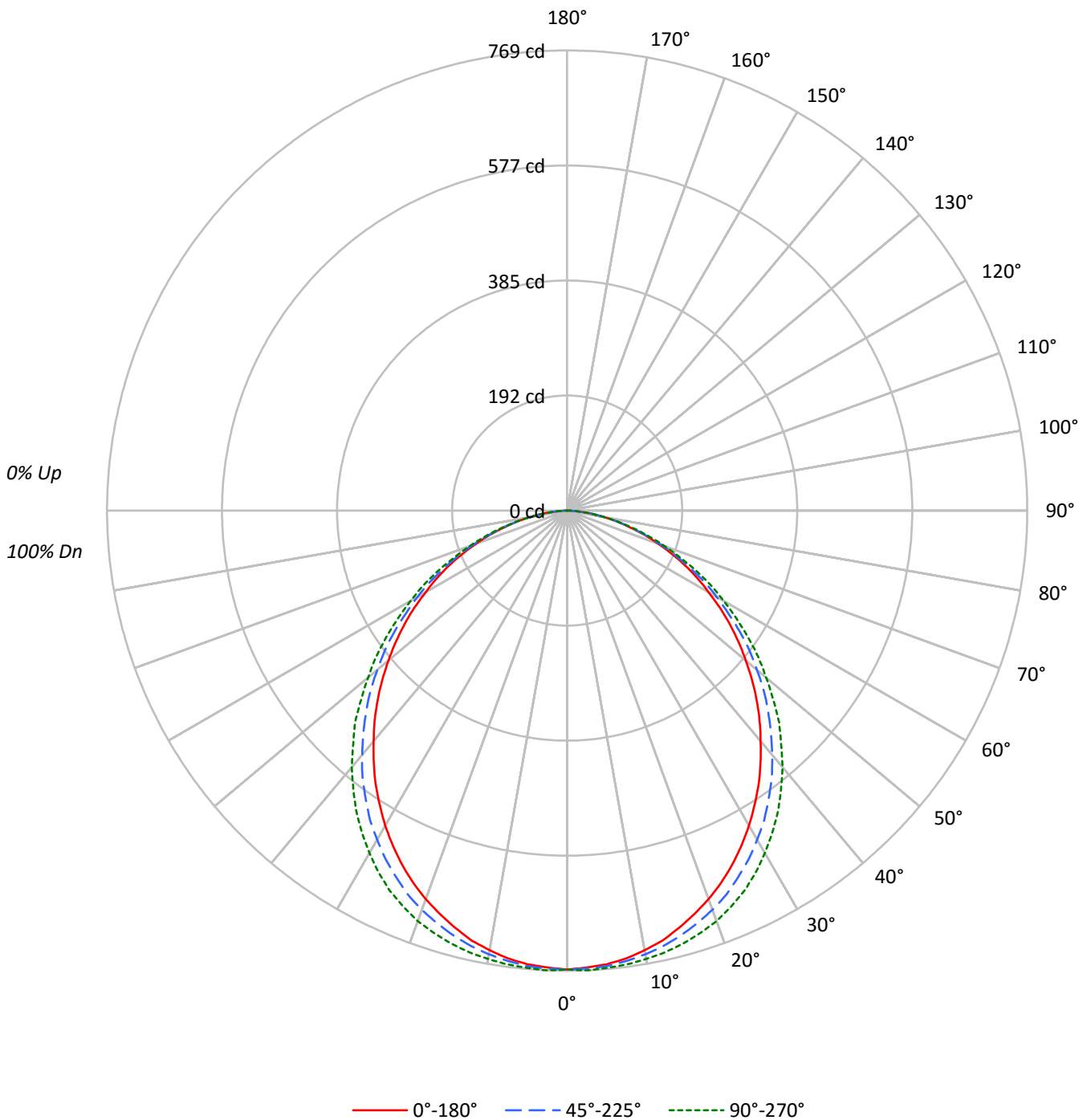
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2064	2064	2064
5°	2056	2064	2072
10°	2038	2058	2079
15°	2011	2048	2087
20°	1979	2033	2090
25°	1939	2007	2081
30°	1889	1973	2054
35°	1833	1928	2017
40°	1767	1872	1967
45°	1705	1808	1907
50°	1633	1733	1817
55°	1558	1651	1731
60°	1469	1555	1625
65°	1388	1439	1509
70°	1275	1314	1361
75°	1133	1164	1196
80°	976	961	961
85°	741	679	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	3.6
10°-20°	207.4	10.3
20°-30°	311.4	15.5
30°-40°	366.5	18.2
40°-50°	365.5	18.2
50°-60°	313.7	15.6
60°-70°	224.6	11.2
70°-80°	119.0	5.9
80°-90°	27.8	1.4
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°	591.3	29.4
0°-40°	957.8	47.7
0°-60°	1637.0	81.5
0°-90°	2008.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	767	767	767	767	767	
5°	761	761	764	766	767	72
15°	722	725	735	745	749	204
25°	653	659	676	693	701	300
35°	558	565	587	607	614	349
45°	448	455	475	492	501	345
55°	332	337	352	364	369	297
65°	218	219	226	235	237	215
75°	109	109	112	114	115	117
85°	24	23	22	20	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767	767	767	767	767
2.5°	764	764	766	768	769
5°	761	761	764	766	767
7.5°	755	755	759	763	765
10°	746	748	753	759	761
12.5°	736	738	745	753	756
15°	722	725	735	745	749
17.5°	707	711	723	735	740
20°	691	695	710	724	730
22.5°	673	678	695	710	716
25°	653	659	676	693	701
27.5°	631	638	657	675	682
30°	608	616	635	654	661
32.5°	583	590	613	631	638
35°	558	565	587	607	614
37.5°	531	540	562	580	587
40°	503	512	533	554	560
42.5°	476	484	504	523	529
45°	448	455	475	492	501
47.5°	419	426	446	462	467
50°	390	397	414	428	434
52.5°	361	368	384	397	403
55°	332	337	352	364	369
57.5°	303	307	319	332	335
60°	273	278	289	298	302
62.5°	246	248	258	266	271
65°	218	219	226	235	237
67.5°	189	190	197	202	204
70°	162	162	167	171	173
72.5°	136	135	138	142	144
75°	109	109	112	114	115
77.5°	86	84	86	88	88
80°	63	62	62	63	62
82.5°	43	42	43	41	40
85°	24	23	22	20	20
87.5°	8	7	7	8	8
90°	0	0	0	0	0

(END OF REPORT)