

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: P257404

Luminaire Tested: **D3X-WG-25L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-25L940-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2116.9 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

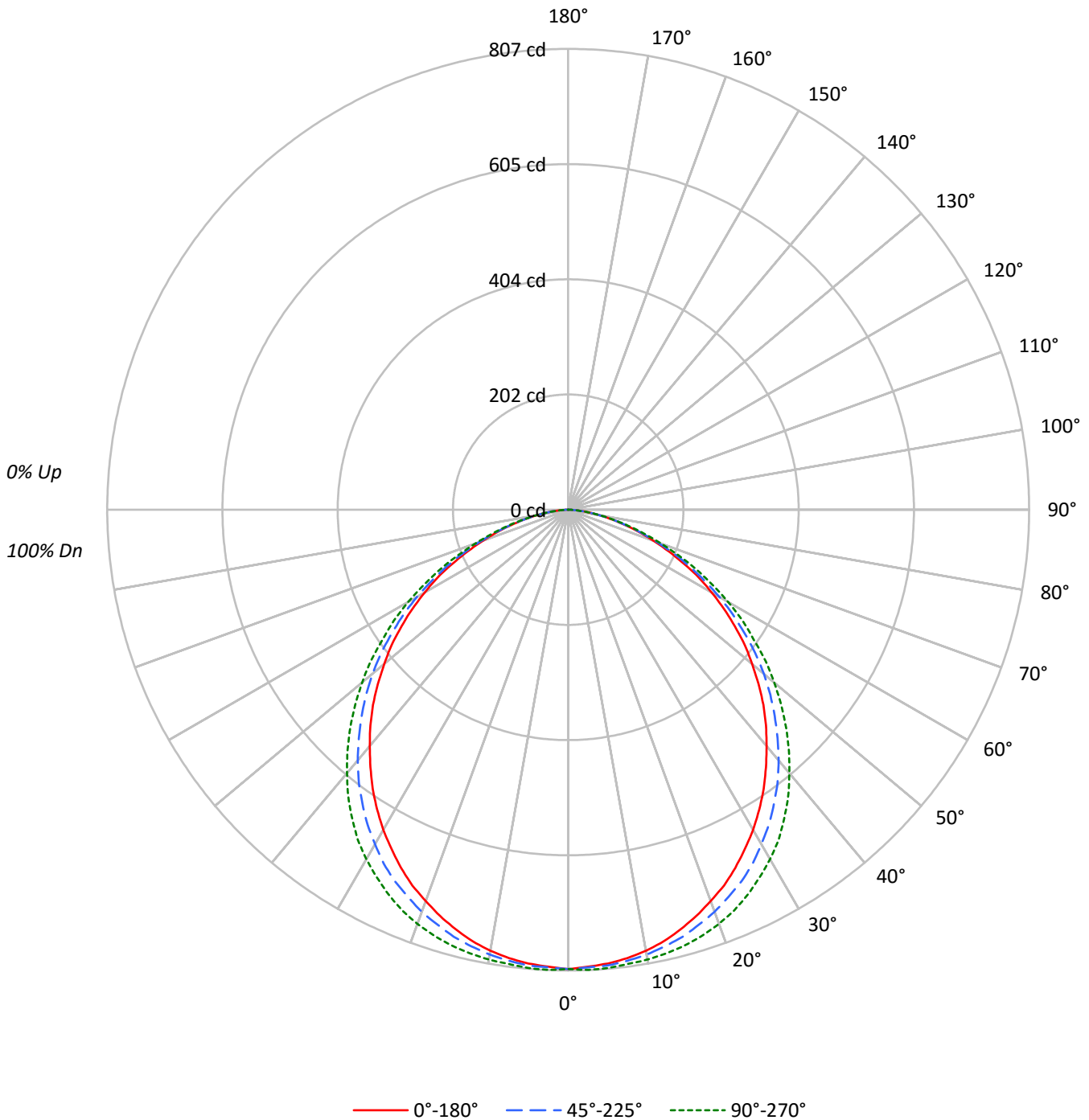
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2165	2165	2165
5°	2155	2164	2176
10°	2143	2161	2186
15°	2119	2157	2201
20°	2088	2146	2210
25°	2055	2132	2208
30°	2011	2102	2196
35°	1960	2063	2167
40°	1898	2013	2115
45°	1838	1945	2052
50°	1759	1872	1971
55°	1671	1766	1861
60°	1560	1645	1742
65°	1424	1488	1574
70°	1246	1300	1352
75°	1063	1087	1133
80°	854	871	888
85°	624	590	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.6
10°-20°	218.6	10.3
20°-30°	330.4	15.6
30°-40°	392.4	18.5
40°-50°	394.0	18.6
50°-60°	336.5	15.9
60°-70°	231.9	11.0
70°-80°	112.4	5.3
80°-90°	24.6	1.2
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°	625.1	29.5
0°-40°	1017.5	48.1
0°-60°	1748.1	82.6
0°-90°	2116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2116.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	798	798	801	803	806	76
15°	761	764	774	784	790	214
25°	692	698	718	737	744	319
35°	597	606	628	652	660	373
45°	483	490	511	533	539	372
55°	356	362	376	392	397	318
65°	224	224	234	244	247	222
75°	102	100	104	107	109	110
85°	20	20	19	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.5	804.5	804.5	804.5	804.5
2.5°	801.1	801.1	802.2	805.6	806.7
5°	797.7	797.7	801.1	803.4	805.6
7.5°	792.1	793.3	796.6	801.1	802.2
10°	784.3	785.4	791.0	796.6	800.0
12.5°	774.2	776.4	783.1	792.1	795.5
15°	760.7	764.0	774.2	784.3	789.9
17.5°	746.1	750.6	761.8	776.4	782.0
20°	729.2	734.8	749.4	765.2	771.9
22.5°	712.4	716.8	733.7	751.7	759.5
25°	692.1	697.7	718.0	737.1	743.8
27.5°	669.7	677.5	698.9	719.1	725.8
30°	647.2	653.9	676.4	698.9	706.7
32.5°	622.5	629.2	653.9	676.4	685.4
35°	596.6	605.6	628.1	651.7	659.5
37.5°	568.5	578.6	602.2	622.5	632.6
40°	540.4	549.4	573.0	594.4	602.2
42.5°	512.4	520.2	542.7	565.2	571.9
45°	483.1	489.9	511.2	532.6	539.3
47.5°	451.7	459.5	479.8	497.7	505.6
50°	420.2	428.1	447.2	464.0	470.8
52.5°	389.9	394.4	412.4	428.1	436.0
55°	356.2	361.8	376.4	392.1	396.6
57.5°	323.6	327.0	341.6	355.1	361.8
60°	289.9	292.1	305.6	315.7	323.6
62.5°	258.4	258.4	268.5	279.8	284.3
65°	223.6	223.6	233.7	243.8	247.2
67.5°	189.9	192.1	198.9	206.7	209.0
70°	158.4	158.4	165.2	170.8	171.9
72.5°	130.3	129.2	132.6	137.1	139.3
75°	102.2	100.0	104.5	106.7	109.0
77.5°	77.5	76.4	78.7	80.9	80.9
80°	55.1	53.9	56.2	56.2	57.3
82.5°	36.0	37.1	37.1	36.0	34.8
85°	20.2	20.2	19.1	18.0	18.0
87.5°	6.7	6.7	6.7	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)