

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: P297974

Luminaire Tested: **D3X-WD-25L83050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-25L83050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2155.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

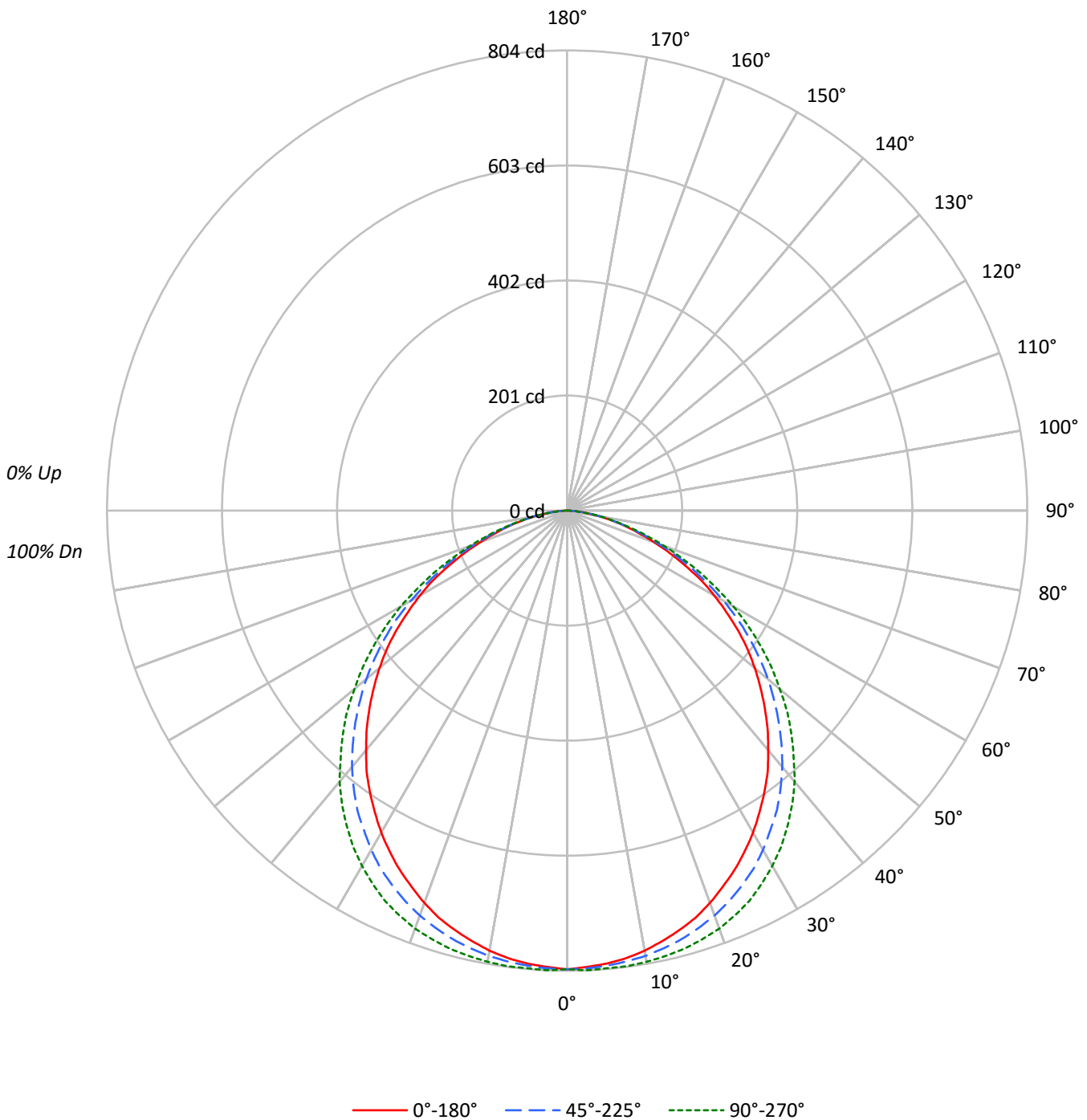
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2157	2157	2157
5°	2146	2156	2168
10°	2133	2158	2187
15°	2113	2159	2207
20°	2089	2156	2226
25°	2056	2146	2235
30°	2018	2127	2228
35°	1974	2099	2206
40°	1919	2054	2172
45°	1858	1991	2110
50°	1792	1918	2030
55°	1709	1823	1937
60°	1598	1698	1810
65°	1448	1536	1633
70°	1278	1341	1415
75°	1098	1122	1170
80°	880	899	917
85°	645	574	574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.5
10°-20°	218.8	10.2
20°-30°	332.8	15.4
30°-40°	398.2	18.5
40°-50°	402.5	18.7
50°-60°	346.4	16.1
60°-70°	239.2	11.1
70°-80°	116.0	5.4
80°-90°	25.2	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°	627.6	29.1
0°-40°	1025.8	47.6
0°-60°	1774.7	82.4
0°-90°	2155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	795	796	798	802	803	75
15°	759	763	775	786	792	214
25°	692	701	723	745	753	319
35°	601	611	639	662	672	376
45°	488	498	523	545	554	377
55°	364	370	389	406	413	325
65°	227	231	241	252	256	226
75°	106	103	108	111	112	112
85°	21	21	19	19	19	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.5	801.5	801.5	801.5	801.5
2.5°	798.1	798.1	800.4	802.7	803.9
5°	794.6	795.7	798.1	801.5	802.7
7.5°	788.8	789.9	794.6	800.4	802.7
10°	780.7	783.0	789.9	796.9	800.4
12.5°	770.2	774.9	783.0	792.3	796.9
15°	758.6	763.3	774.9	786.5	792.3
17.5°	745.9	750.5	764.4	779.5	785.3
20°	729.6	736.6	752.8	770.2	777.2
22.5°	711.1	720.3	738.9	757.5	765.6
25°	692.5	700.6	722.7	744.7	752.8
27.5°	671.6	680.9	705.3	727.3	735.4
30°	649.6	658.9	684.4	708.7	716.9
32.5°	625.2	636.8	661.2	686.7	696.0
35°	600.9	611.3	639.1	662.3	671.6
37.5°	575.3	584.6	612.5	636.8	646.1
40°	546.3	556.8	584.6	609.0	618.3
42.5°	518.5	528.9	554.5	577.7	585.8
45°	488.3	497.6	523.1	545.2	554.5
47.5°	458.2	468.6	490.7	512.7	522.0
50°	428.0	436.1	458.2	479.1	484.9
52.5°	396.7	403.7	423.4	441.9	450.1
55°	364.2	370.0	388.6	406.0	412.9
57.5°	329.4	336.4	353.8	366.5	374.7
60°	297.0	300.4	315.5	328.3	336.4
62.5°	264.5	265.6	277.2	290.0	294.6
65°	227.4	230.8	241.3	251.7	256.4
67.5°	193.7	197.2	205.3	213.4	216.9
70°	162.4	162.4	170.5	176.3	179.8
72.5°	131.1	132.2	138.0	141.5	145.0
75°	105.6	103.2	107.9	111.4	112.5
77.5°	78.9	77.7	81.2	82.4	84.7
80°	56.8	56.8	58.0	59.2	59.2
82.5°	37.1	37.1	38.3	36.0	34.8
85°	20.9	20.9	18.6	18.6	18.6
87.5°	7.0	7.0	7.0	8.1	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)